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			(43) International Publication Date: 5 August 1999 (05.08.99)
(21) International Application Number: PCT/US99/01619		<p>enue, Alameda, CA 94501 (US). GIESE, Klaus [DE/US]; 1009 Carolina Street, San Francisco, CA 94107 (US). RANDAZZO, Filippo [US/US]; 6363 Christie Avenue #2511, Emeryville, CA 94608 (US). KENNEDY, Giulia, C. [US/US]; 360 Castenada Avenue, San Francisco, CA 94116 (US). POT, David [CA/US]; 1565 5th Avenue #102, San Francisco, CA 94112 (US). KASSAM, Altaf [US/US]; 394 49th Street, Oakland, CA 94609 (US). LAMSON, George [US/US]; 232 Sandringham Drive, Moraga, CA 94556 (US). DRMANAC, Radoje [YU/US]; 850 East Greenwich Place, Palo Alto, CA 94303 (US). CRKVENJAKOV, Radomir [YU/US]; 762 Haverhill Drive, Sunnyvale, CA 94068 (US). DICKSON, Mark [US/US]; 1411 Gabilan Drive #B, Hollister, CA 95025 (US). DRMANAC, Snezana [YU/US]; 850 East Greenwich Place, Palo Alto, CA 94303 (US). LABAT, Ivan [YU/US]; 140 Acalanes Drive, Sunnyvale, CA 94086 (US). LESHKOWITZ, Dena [US/US]; 678 Durshire Way, Sunnyvale, CA 94087 (US). KITA, David [US/US]; 899 Bounty Drive, Foster City, CA 94404 (US). GARCIA, Veronica [ES/US]; 911 Shell Boulevard #102-0, Foster City, CA 96606 (US). JONES, William, Lee [US/US]; 4290 Albany Drive #P-146, San Jose, CA 95129 (US). STACHE-CRAIN, Birjit [DE/US]; 345 South Mary Avenue, Sunnyvale, CA 94086 (US).</p>	
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(71) Applicants (for all designated States except US): CHIRON CORPORATION [US/US]; 4560 Horton Street, Emeryville, CA 94608 (US). HYSEQ INC. [US/US]; 675 Almanor Avenue, Sunnyvale, CA 94086 (US).			
(72) Inventors; and		<p>(74) Agent: BLACKBURN, Robert, P.; Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097 (US).</p>	
(75) Inventors/Applicants (for US only): WILLIAMS, Lewis, T. [US/US]; 3 Miroflores, Tiburon, CA 94920 (US). ESCOBEDO, Jaime [CL/US]; 1470 Lavoma Road, Alamo, CA 94507 (US). INNIS, Michael, A. [US/US]; 315 Constance Place, Moraga, CA 94556 (US). GARCIA, Pablo, Dominguez [CL/US]; 882 Chenery Street, San Francisco, CA 94131 (US). SUDDUTH-KLINGER, Julie [US/US]; 280 Lexington Road, Kensington, CA 94707 (US). REINHARD, Christoph [DE/US]; 1633 Clinton Av-			
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(54) Title: HUMAN GENES AND GENE EXPRESSION PRODUCTS II			
(57) Abstract			
<p>This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostic and therapeutic agents employing such novel human polynucleotides, their corresponding genes or gene products, e.g., these genes and proteins, including probes, antisense constructs, and antibodies.</p>			
<p>SEP 861 - Lung cancer marker - p. 61 - Table 7 (p. 118) 2 > Not a breast cancer marker - See pp. 61-66</p>			

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<213> Homo sapiens

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tgtagccag	ttgttcaact	gtatggttg	actactgtta	atagcactcc	tcacctggg	240
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

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ctccctccct	gtcttctcag	cacctgctg	gcatcacaag	gaaatgtggg	ccaaagaccc	180
tcatcccaca	ctaagaatgg	tccaacagaa	accagcctgg	tcccaggtgg	ggctcaggct	240
caggccacgt	gccaccaagt	catctatgtg	aatatagtga	taaaaatgcc	caacgttgac	300

<210> 864

<211> 300

<212> DNA

<213> Homo sapiens

<400> 864

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ttctggaagg	aggtggtgta	atgaatctca	accccgccaa	caacctcctt	caccagccgc	180
cagcctggac	agacagctac	tcacgtgca	atgtttccag	tgggtttttt	ggaggccagt	240

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HUMAN GENES AND GENE EXPRESSION PRODUCTS II

Field of the Invention

The present invention relates to novel polynucleotides, particularly to novel
5 polynucleotides of human origin that are expressed in a selected cell type, are differentially
expressed in one cell type relative to another cell type (*e.g.*, in cancerous cells, or in cells of
a specific tissue origin) and/or share homology to polynucleotides encoding a gene product
having an identified functional domain and/or activity.

10 Background of the Invention

Identification of novel polynucleotides, particularly those that encode an expressed
gene product, is important in the advancement of drug discovery, diagnostic technologies,
and the understanding of the progression and nature of complex diseases such as cancer.
Identification of genes expressed in different cell types isolated from sources that differ in
15 disease state or stage, developmental stage, exposure to various environmental factors, the
tissue of origin, the species from which the tissue was isolated, and the like is key to
identifying the genetic factors that are responsible for the phenotypes associated with these
various differences

This invention provides novel human polynucleotides, the polypeptides encoded by these
20 polynucleotides, and the genes and proteins corresponding to these novel polynucleotides.

Summary of the Invention

This invention relates to novel human polynucleotides and variants thereof, their
encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides
25 and to proteins expressed by the genes. The invention also relates to diagnostic and
therapeutic agents employing such novel human polynucleotides, their corresponding genes
or gene products, *e.g.*, these genes and proteins, including probes, antisense constructs, and
antibodies. The polynucleotides of the invention correspond to a polynucleotide
comprising the sequence information of at least one of SEQ ID NOS: 1-3544, 3546-4510,
30 4512-4725, 4727-4748, and 4750-5252, which for convenience sake is referred to herein as
"SEQ ID NOS:1-5252."

Accordingly, in one embodiment, the present invention features a library of polynucleotides, the library comprising the sequence information of at least one of "SEQ ID NOS:1-5252". In related aspects, the invention features a library provided on a nucleic acid array, or in a computer-readable format.

- 5 In one embodiment, the library is comprises a differentially expressed polynucleotide comprising a sequence selected from one of the differentially expressed polynucleotides disclosed herein. In specific related embodiments, the library comprises:
- 1) a polynucleotide that is differentially expressed in a human breast cancer cell, where the polynucleotide comprises a sequence selected from the group consisting of SEQ ID
 10 NOS:15, 36, 44, 45, 89, 146, 154, 159, 165, 172, 174, 183, 203, 261, 364, 366, 387, 419, 420, 496, 503, 510, 512, 529, 552, 560, 564, 570, 590, 606, 644, 646, 693, 707, 711, 726, 746, 754, 756, 875, 902, 921, 942, 990, 1095, 1104, 1122, 1131, 1142, 1170, 1184, 1205, 1286, 1289, 1354, 1387, 1435, 1535, 1751, 1764, 1777, 1795, 1860, 1869, 1882, 1890, 1915, 1933, 1934, 1979, 1980, 2007, 2023, 2040, 2059, 2223, 2245, 2300, 2325, 2409,
 15 2462, 2488, 2486, and 2492; 2) a polynucleotide differentially expressed in a human colon cancer cell, where the polynucleotide comprises a sequence selected from the group consisting of SEQ ID NOS: , 33, 65, 228, 250, 252, 253, 280, 282, 355, 370, 387, 443, 460, 491, 545, 560, 581, 603, 680, 693, 703, 704, 716, 726, 746, 752, 753, 1095, 1104, 1205, 1241, 1264, 1354, 1387, 1401, 1442, 1514, 1734, 1742, 1780, 1851, 1899, 1915, 1954,
 20 2024, 2066, 2262, and 2325; 3) a polynucleotide differentially expressed in a human lung cancer cell, where the polynucleotide comprises a sequence selected from the group consisting of SEQ ID NOS: 10, 54, 65, 171, 174, , 203, 252, 253, 254, , 285, 419, 420, 466, 491, 525, 526, 552, 571, 574, 590, 693, 700, 726, 742, 746, 861, 922, 990, 1088, 1288, 1355, 1417, 1422, 1444, 1454, 1570, 1597, 1979, 2007, 2024, 2034, 2038, 2126, and 2245;
 25 4) a polynucleotide differentially expressed in growth factor-treated human microvascular endothelial cells (HMEC) relative to untreated HMEC, where the polynucleotide comprises a sequence selected from the group consisting of SEQ ID NOS:648, 1899, and 648; or
 5) polynucleotides that are differentially expressed across multiple libraries, where the polynucleotide comprises a sequence selected from the group consisting of SEQ ID NOS:
 30 65, 174, 203, 252, 253, 387, 419, 420, 491, 552, 560, 581, 590, 648, 693, 726, 746, 990, 1095, 1124, 1205, 1354, 1387, 1780, 1899, 1915, 1979, 2007, 2024, 2245, and 2325,

In another aspect, the invention features an isolated polynucleotide comprising a nucleotide sequence having at least 90% sequence identity to an identifying sequence of "SEQ ID NOS:1-5252" or a degenerate variant thereof. In related aspects, the invention features recombinant host cells and vectors comprising the polynucleotides of the invention, as well as isolated polypeptides encoded by the polynucleotides of the invention and antibodies that specifically bind such polypeptides.

In one embodiment, the invention features an isolated polynucleotide comprising a sequence encoding a polypeptide of a protein family or having a functional domain selected from the group consisting of: 4 transmembrane segments integral membrane proteins, 7 transmembrane receptors (rhodopsin family or secretin family), eukaryotic aspartyl proteases, ATPases associated with various cellular activities (AAA), Bcl-2, cyclins, DEAD box protein family, DEAD/H helicase protein family, MAP kinase kinase protein family, novel 3'5'-cyclic nucleotide phosphodiesterases, protein kinases, ras protein family, G-protein alpha subunit, phorbol esters/diacylglycerol binding proteins, protein kinase, trypsin, protein tyrosine phosphatase, wnt family of developmental signaling proteins, WW/rsp5/WWP domain containing proteins, Ank repeat, basic region plus leucine zipper domain, bromodomain, eukaryotic thiol (cysteine) protease active site, EF-hand, ETS domain, type II fibronectin collagen binding domain, thioredoxin, homeobox domain, TNFR/NGFR family cysteine-rich region, WD domain/G-beta repeats, zinc finger (C2H2 type), zinc finger (CCHC class), and zinc finger (C3HC4 type). In a specific related embodiment, the invention features a polynucleotide comprising a sequence of one of the SEQ ID NOS: listed in Table 3 or Table 20.

In another aspect, the invention features a method of detecting differentially expressed genes correlated with a cancerous state of a mammalian cell, where the method comprises the step of detecting at least one differentially expressed gene product in a test sample derived from a cell suspected of being cancerous, where the gene product is encoded by a gene corresponding to a sequence of at least one of the differentially expressed polynucleotides disclosed herein. Detection of the differentially expressed gene product is correlated with a cancerous state of the cell from which the test sample was derived. In one embodiment, the detecting is by hybridization of the test sample to a

reference array, wherein the reference array comprises an identifying sequence of at least one of the differentially expressed polynucleotides disclosed herein.

In one embodiment of the method of the invention, the cell is a breast tissue derived cell, and the differentially expressed gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS:15, 36, 44, 45, 89, 146, 154, 159, 165, 172, 174, 183, 203, 261, 364, 366, 387, 419, 420, 496, 503, 510, 512, 529, 552, 560, 564, 570, 590, 606, 644, 646, 693, 707, 711, 726, 746, 754, 756, 875, 902, 921, 942, 990, 1095, 1104, 1122, 1131, 1142, 1170, 1184, 1205, 1286, 1289, 1354, 1387, 1435, 1535, 1751, 1764, 1777, 1795, 1860, 1869, 1882, 1890, 1915, 1933, 1934, 1979, 1980, 2007, 2023, 2040, 2059, 2223, 2245, 2300, 2325, 2409, 2462, 2486 2488, and 2492.

In another embodiment of the method of the invention, the cell is a colon tissue derived cell, and differentially expressed gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS: 65, 228, 252, 253, 280, 355, 491, 581, 603, 680, 693, 716, 726, 746, 752, 753, 1241, 1264, 1401, 1442, 1514, 1851, 1915, 2024, 2066, 33, 250, 282, 370, 387, 443, 460, 545, 560, 703, 704, 1095, 1104, 1205, 1354, 1387, 1734, 1742, 1780, 1899, 1954, 2262, and 2325.

In yet another embodiment of the method of the invention, the cell is a lung tissue derived cell, and differentially expressed gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS:10, 54, 65, 171, 174, 203, 252, 253, 254, 285, 419, 420, 466, 491, 525, 526, 552, 571, 574, 590, 693, 706, 726, 742, 746, 861, 922, 990, 1088, 1288, 1355, 1417, 1422, 1444, 1454, 1570, 1597, 1979, 2007, 2024, 2034, 2038, 2126, and 2245.

In another embodiment, the cell is any of a lung, breast, or colon cell and the differentially expressed gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS:648 and 1899.

In still another embodiment, the cell is any of a breast, colon, or lung cell and the differentially expressed gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS: 65, 174, 203, 252, 253, 387, 419, 420, 491, 552, 560, 581, 590, 648, 693, 726, 746, 990, 1095, 1124, 1205, 1354, 1387, , 1780, 1899, 1915, 1979, 2007, 2024, 2245, and 2325.

Other aspects and embodiments of the invention will be readily apparent to the ordinarily skilled artisan upon reading the description provided herein.

Detailed Description of the Invention

5 The invention relates to polynucleotides comprising the disclosed nucleotide sequences, to full length cDNA, mRNA and genes corresponding to these sequences, and to polypeptides and proteins encoded by these polynucleotides and genes.

 Also included are polynucleotides that encode polypeptides and proteins encoded by the polynucleotides of the Sequence Listing. The various polynucleotides that can
10 encode these polypeptides and proteins differ because of the degeneracy of the genetic code, in that most amino acids are encoded by more than one triplet codon. The identity of such codons is well-known in this art, and this information can be used for the construction of the polynucleotides within the scope of the invention.

 Polynucleotides encoding polypeptides and proteins that are variants of the
15 polypeptides and proteins encoded by the polynucleotides and related cDNA and genes are also within the scope of the invention. The variants differ from wild type protein in having one or more amino acid substitutions that either enhance, add, or diminish a biological activity of the wild type protein. Once the amino acid change is selected, a polynucleotide encoding that variant is constructed according to the invention.

20 The following detailed description describes the polynucleotide compositions encompassed by the invention, methods for obtaining cDNA or genomic DNA encoding a full-length gene product, expression of these polynucleotides and genes, identification of structural motifs of the polynucleotides and genes, identification of the function of a gene product encoded by a gene corresponding to a polynucleotide of the invention, use of the
25 provided polynucleotides as probes and in mapping and in tissue profiling, use of the corresponding polypeptides and other gene products to raise antibodies, and use of the polynucleotides and their encoded gene products for therapeutic and diagnostic purposes.

I. Polynucleotide Compositions

30 The scope of the invention with respect to polynucleotide compositions includes, but is not necessarily limited to, polynucleotides having a sequence set forth in any one of

“SEQ ID NOS:1-5252”; polynucleotides obtained from the biological materials described herein or other biological sources (particularly human sources) by hybridization under stringent conditions (particularly conditions of high stringency); genes corresponding to the provided polynucleotides; variants of the provided polynucleotides and their corresponding
5 genes, particularly those variants that retain a biological activity of the encoded gene product (*e.g.*, a biological activity ascribed to a gene product corresponding to the provided polynucleotides as a result of the assignment of the gene product to a protein family(ies) and/or identification of a functional domain present in the gene product). Other nucleic acid compositions contemplated by and within the scope of the present invention will be
10 readily apparent to one of ordinary skill in the art when provided with the disclosure here.

The invention features polynucleotides that are expressed in cells of human tissue, specifically human colon, breast, and/or lung tissue. Novel nucleic acid compositions of the invention of particular interest comprise a sequence set forth in any one of “SEQ ID NOS:1-5252” or an identifying sequence thereof. An “identifying sequence” is a
15 contiguous sequence of residues at least about 10 nt to about 20 nt in length, usually at least about 50 nt to about 100 nt in length, that uniquely identifies a polynucleotide sequence, *e.g.*, exhibits less than 90%, usually less than about 80% to about 85% sequence identity to any contiguous nucleotide sequence of more than about 20 nt. Thus, the subject novel nucleic acid compositions include full length cDNAs or mRNAs that encompass an
20 identifying sequence of contiguous nucleotides from any one of “SEQ ID NOS:1-5252.”

The polynucleotides of the invention also include polynucleotides having sequence similarity or sequence identity. Nucleic acids having sequence similarity are detected by hybridization under low stringency conditions, for example, at 50°C and 10XSSC (0.9 M saline/0.09 M sodium citrate) and remain bound when subjected to washing at 55°C in
25 1XSSC. Sequence identity can be determined by hybridization under stringent conditions, for example, at 50°C or higher and 0.1XSSC (9 mM saline/0.9 mM sodium citrate). Hybridization methods and conditions are well known in the art, see, *e.g.*, U.S. Patent No. 5,707,829. Nucleic acids that are substantially identical to the provided polynucleotide sequences, *e.g.* allelic variants, genetically altered versions of the gene, *etc.*, bind to the
30 provided polynucleotide sequences (“SEQ ID NOS:1-5252”) under stringent hybridization conditions. By using probes, particularly labeled probes of DNA sequences, one can

isolate homologous or related genes. The source of homologous genes can be any species, *e.g.* primate species, particularly human; rodents, such as rats and mice; canines, felines, bovines, ovines, equines, yeast, nematodes, *etc.*

Preferably, hybridization is performed using at least 15 contiguous nucleotides of at least one of "SEQ ID NOS:1-5252." That is, when at least 15 contiguous nucleotides of one of the disclosed SEQ ID NOs. is used as a probe, the probe will preferentially hybridize with a gene or mRNA (of the biological material) comprising the complementary sequence, allowing the identification and retrieval of the nucleic acids of the biological material that uniquely hybridize to the selected probe. Probes from more than one SEQ ID NO. will hybridize with the same gene or mRNA if the cDNA from which they were derived corresponds to one mRNA. Probes of more than 15 nucleotides can be used, but 15 nucleotides represents enough sequence for unique identification.

The polynucleotides of the invention also include naturally occurring variants of the nucleotide sequences (*e.g.*, degenerate variants, allelic variants, *etc.*). Variants of the polynucleotides of the invention are identified by hybridization of putative variants with nucleotide sequences disclosed herein, preferably by hybridization under stringent conditions. For example, by using appropriate wash conditions, variants of the polynucleotides of the invention can be identified where the allelic variant exhibits at most about 25-30% base pair mismatches relative to the selected polynucleotide probe. In general, allelic variants contain 15-25% base pair mismatches, and can contain as little as even 5-15%, or 2-5%, or 1-2% base pair mismatches, as well as a single base-pair mismatch.

The invention also encompasses homologs corresponding to the polynucleotides of "SEQ ID NOS:1-5252", where the source of homologous genes can be any mammalian species, *e.g.*, primate species, particularly human; rodents, such as rats; canines, felines, bovines, ovines, equines, yeast, nematodes, *etc.* Between mammalian species, *e.g.*, human and mouse, homologs have substantial sequence similarity, *e.g.*, at least 75% sequence identity, usually at least 90%, more usually at least 95% between nucleotide sequences. Sequence similarity is calculated based on a reference sequence, which may be a subset of a larger sequence, such as a conserved motif, coding region, flanking region, *etc.* A reference sequence will usually be at least about 18 contiguous nt long, more usually at

least about 30 nt long, and may extend to the complete sequence that is being compared. Algorithms for sequence analysis are known in the art, such as BLAST, described in Altschul *et al.*, *J. Mol. Biol.* (1990) 215:403-10.

In general, variants of the invention have a sequence identity greater than at least
5 about 65%, preferably at least about 75%, more preferably at least about 85%, and can be greater than at least about 90% or more as determined by the Smith-Waterman homology search algorithm as implemented in MPSRCH program (Oxford Molecular). For the purposes of this invention, a preferred method of calculating percent identity is the Smith-Waterman algorithm, using the following. Global DNA sequence identity must be greater
10 than 65% as determined by the Smith-Waterman homology search algorithm as implemented in MPSRCH program (Oxford Molecular) using an affine gap search with the following search parameters: gap open penalty, 12; and gap extension penalty, 1.

The subject nucleic acids can be cDNAs or genomic DNAs, as well as fragments thereof, particularly fragments that encode a biologically active gene product and/or are
15 useful in the methods disclosed herein (*e.g.*, in diagnosis, as a unique identifier of a differentially expressed gene of interest, *etc.*). The term "cDNA" as used herein is intended to include all nucleic acids that share the arrangement of sequence elements found in native mature mRNA species, where sequence elements are exons and 3' and 5' non-coding regions. Normally mRNA species have contiguous exons, with the intervening introns,
20 when present, being removed by nuclear RNA splicing, to create a continuous open reading frame encoding a polypeptide of the invention.

A genomic sequence of interest comprises the nucleic acid present between the initiation codon and the stop codon, as defined in the listed sequences, including all of the introns that are normally present in a native chromosome. It can further include the 3' and
25 5' untranslated regions found in the mature mRNA. It can further include specific transcriptional and translational regulatory sequences, such as promoters, enhancers, *etc.*, including about 1 kb, but possibly more, of flanking genomic DNA at either the 5' and 3' end of the transcribed region. The genomic DNA can be isolated as a fragment of 100 kbp or smaller; and substantially free of flanking chromosomal sequence. The genomic DNA
30 flanking the coding region, either 3' and 5', or internal regulatory sequences as sometimes

found in introns, contains sequences required for proper tissue, stage-specific, or disease-state specific expression.

The nucleic acid compositions of the subject invention can encode all or a part of the subject polypeptides. Double or single stranded fragments can be obtained from the DNA sequence by chemically synthesizing oligonucleotides in accordance with conventional methods, by restriction enzyme digestion, by PCR amplification, *etc.* Isolated polynucleotides and polynucleotide fragments of the invention comprise at least about 10, about 15, about 20, about 35, about 50, about 100, about 150 to about 200, about 250 to about 300, or about 350 contiguous nucleotides selected from the polynucleotide sequences as shown in "SEQ ID NOS:1-5252." For the most part, fragments will be of at least 15 nt, usually at least 18 nt or 25 nt, and up to at least about 50 contiguous nt in length or more. In a preferred embodiment, the polynucleotide molecules comprise a contiguous sequence of at least twelve nucleotides selected from the group consisting of the polynucleotides shown in "SEQ ID NOS:1-5252."

Probes specific to the polynucleotides of the invention can be generated using the polynucleotide sequences disclosed in "SEQ ID NOS:1-5252." The probes are preferably at least about 12, 15, 16, 18, 20, 22, 24, or 25 nucleotide fragment of a corresponding contiguous sequence of "SEQ ID NOS:1-5252", and can be less than 2, 1, 0.5, 0.1, or 0.05 kb in length. The probes can be synthesized chemically or can be generated from longer polynucleotides using restriction enzymes. The probes can be labeled, for example, with a radioactive, biotinylated, or fluorescent tag. Preferably, probes are designed based upon an identifying sequence of a polynucleotide of one of "SEQ ID NOS:1-5252." More preferably, probes are designed based on a contiguous sequence of one of the subject polynucleotides that remain unmasked following application of a masking program for masking low complexity (*e.g.*, XBLAST) to the sequence., *i.e.*, one would select an unmasked region, as indicated by the polynucleotides outside the poly-n stretches of the masked sequence produced by the masking program.

The polynucleotides of the subject invention are isolated and obtained in substantial purity, generally as other than an intact chromosome. Usually, the polynucleotides, either as DNA or RNA, will be obtained substantially free of other naturally-occurring nucleic acid sequences, generally being at least about 50%, usually at least about 90% pure and are

typically "recombinant", *e.g.*, flanked by one or more nucleotides with which it is not normally associated on a naturally occurring chromosome.

The polynucleotides of the invention can be provided as a linear molecule or within a circular molecule. They can be provided within autonomously replicating molecules (vectors) or within molecules without replication sequences. They can be regulated by their own or by other regulatory sequences, as is known in the art. The polynucleotides of the invention can be introduced into suitable host cells using a variety of techniques which are available in the art, such as transferrin polycation-mediated DNA transfer, transfection with naked or encapsulated nucleic acids, liposome-mediated DNA transfer, intracellular transportation of DNA-coated latex beads, protoplast fusion, viral infection, electroporation, gene gun, calcium phosphate-mediated transfection, and the like.

The subject nucleic acid compositions can be used to, for example, produce polypeptides, as probes for the detection of mRNA of the invention in biological samples (*e.g.*, extracts of human cells) to generate additional copies of the polynucleotides, to generate ribozymes or antisense oligonucleotides, and as single stranded DNA probes or as triple-strand forming oligonucleotides. The probes described herein can be used to, for example, determine the presence or absence of the polynucleotide sequences as shown in "SEQ ID NOS:1-5252" or variants thereof in a sample. These and other uses are described in more detail below.

20

Use of Polynucleotides to Obtain Full-Length cDNA and Full-Length Human Gene and Promoter Region

Full-length cDNA molecules comprising the disclosed polynucleotides are obtained as follows. A polynucleotide having a sequence of one of "SEQ ID NOS:1-5252", or a portion thereof comprising at least 12, 15, 18, or 20 nucleotides, is used as a hybridization probe to detect hybridizing members of a cDNA library using probe design methods, cloning methods, and clone selection techniques such as those described in U.S. Patent No. 5,654,173. Libraries of cDNA are made from selected tissues, such as normal or tumor tissue, or from tissues of a mammal treated with, for example, a pharmaceutical agent. Preferably, the tissue is the same as the tissue from which the polynucleotides of the invention were isolated, as both the polynucleotides described herein and the cDNA

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represent expressed genes. Most preferably, the cDNA library is made from the biological material described herein in the Examples. Alternatively, many cDNA libraries are available commercially. (Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual*, 2nd Ed., (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY). The choice of cell type
5 for library construction can be made after the identity of the protein encoded by the gene corresponding to the polynucleotide of the invention is known. This will indicate which tissue and cell types are likely to express the related gene, and thus represent a suitable source for the mRNA for generating the cDNA. Where the provided polynucleotides are isolated from cDNA libraries, the libraries are prepared from mRNA of human colon cells,
10 more preferably, human colon cancer cells, even more preferably, from a highly metastatic colon cell, Km12L4-A.

Techniques for producing and probing nucleic acid sequence libraries are described, for example, in Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual*, 2nd Ed., (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY. The cDNA can be prepared by
15 using primers based on sequence from "SEQ ID NOS:1-5252." In one embodiment, the cDNA library can be made from only poly-adenylated mRNA. Thus, poly-T primers can be used to prepare cDNA from the mRNA.

Members of the library that are larger than the provided polynucleotides, and preferably that encompass the complete coding sequence of the native message, are
20 obtained. In order to confirm that the entire cDNA has been obtained, RNA protection experiments are performed as follows. Hybridization of a full-length cDNA to an mRNA will protect the RNA from RNase degradation. If the cDNA is not full length, then the portions of the mRNA that are not hybridized will be subject to RNase degradation. This is assayed, as is known in the art, by changes in electrophoretic mobility on polyacrylamide
25 gels, or by detection of released monoribonucleotides. Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual*, 2nd Ed., (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY. In order to obtain additional sequences 5' to the end of a partial cDNA, 5' RACE (*PCR Protocols: A Guide to Methods and Applications*, (1990) Academic Press, Inc.) is performed.

30 Genomic DNA is isolated using the provided polynucleotides in a manner similar to the isolation of full-length cDNAs. Briefly, the provided polynucleotides, or portions

thereof, are used as probes to libraries of genomic DNA. Preferably, the library is obtained from the cell type that was used to generate the polynucleotides of the invention, but this is not essential. Most preferably, the genomic DNA is obtained from the biological material described herein in the Examples. Such libraries can be in vectors suitable for carrying
5 large segments of a genome, such as P1 or YAC, as described in detail in Sambrook *et al.*, 9.4-9.30. In addition, genomic sequences can be isolated from human BAC libraries, which are commercially available from Research Genetics, Inc., Huntsville, Alabama, USA, for example. In order to obtain additional 5' or 3' sequences, chromosome walking is performed, as described in Sambrook *et al.*, such that adjacent and overlapping fragments
10 of genomic DNA are isolated. These are mapped and pieced together, as is known in the art, using restriction digestion enzymes and DNA ligase.

Using the polynucleotide sequences of the invention, corresponding full-length genes can be isolated using both classical and PCR methods to construct and probe cDNA libraries. Using either method, Northern blots, preferably, are performed on a number of
15 cell types to determine which cell lines express the gene of interest at the highest level. Classical methods of constructing cDNA libraries are taught in Sambrook *et al.*, *supra*. With these methods, cDNA can be produced from mRNA and inserted into viral or expression vectors. Typically, libraries of mRNA comprising poly(A) tails can be produced with poly(T) primers. Similarly, cDNA libraries can be produced using the
20 instant sequences as primers.

PCR methods are used to amplify the members of a cDNA library that comprise the desired insert. In this case, the desired insert will contain sequence from the full length cDNA that corresponds to the instant polynucleotides. Such PCR methods include gene trapping and RACE methods. Gene trapping entails inserting a member of a cDNA library
25 into a vector. The vector then is denatured to produce single stranded molecules. Next, a substrate-bound probe, such as a biotinylated oligo, is used to trap cDNA inserts of interest. Biotinylated probes can be linked to an avidin-bound solid substrate. PCR methods can be used to amplify the trapped cDNA. To trap sequences corresponding to the full length genes, the labeled probe sequence is based on the polynucleotide sequences of the
30 invention. Random primers or primers specific to the library vector can be used to amplify the trapped cDNA. Such gene trapping techniques are described in Gruber *et al.*, WO

95/04745 and Gruber *et al.*, U.S. Pat. No. 5,500,356. Kits are commercially available to perform gene trapping experiments from, for example, Life Technologies, Gaithersburg, Maryland, USA.

“Rapid amplification of cDNA ends,” or RACE, is a PCR method of amplifying cDNAs from a number of different RNAs. The cDNAs are ligated to an oligonucleotide linker, and amplified by PCR using two primers. One primer is based on sequence from the instant polynucleotides, for which full length sequence is desired, and a second primer comprises sequence that hybridizes to the oligonucleotide linker to amplify the cDNA. A description of this methods is reported in WO 97/19110. In preferred embodiments of RACE, a common primer is designed to anneal to an arbitrary adaptor sequence ligated to cDNA ends (Apte and Siebert, *Biotechniques* (1993) 15:890-893; Edwards *et al.*, *Nuc. Acids Res.* (1991) 19:5227-5232). When a single gene-specific RACE primer is paired with the common primer, preferential amplification of sequences between the single gene specific primer and the common primer occurs. Commercial cDNA pools modified for use in RACE are available.

Another PCR-based method generates full-length cDNA library with anchored ends without needing specific knowledge of the cDNA sequence. This method is described in WO 96/40998.

The promoter region of a gene generally is located 5' to the initiation site for RNA polymerase II. Hundreds of promoter regions contain the “TATA” box, a sequence such as TATTA or TATAA, which is sensitive to mutations. The promoter region can be obtained by performing 5' RACE using a primer from the coding region of the gene. Alternatively, the cDNA can be used as a probe for the genomic sequence, and the region 5' to the coding region is identified by “walking up.” If the gene is highly expressed or differentially expressed, the promoter from the gene can be of use in a regulatory construct for a heterologous gene.

Once the full-length cDNA or gene is obtained, DNA encoding variants can be prepared by site-directed mutagenesis, described in detail in Sambrook *et al.*, 15.3-15.63. The choice of codon or nucleotide to be replaced can be based on disclosure herein on optional changes in amino acids to achieve altered protein structure and/or function.

As an alternative method to obtaining DNA or RNA from a biological material, nucleic acid comprising nucleotides having the sequence of one or more polynucleotides of the invention can be synthesized. Thus, the invention encompasses nucleic acid molecules ranging in length from 15 nucleotides (corresponding to at least 15 contiguous nucleotides of one of "SEQ ID NOS:1-5252") up to a maximum length suitable for one or more biological manipulations, including replication and expression, of the nucleic acid molecule. The invention includes but is not limited to (a) nucleic acid having the size of a full gene, and comprising at least one of "SEQ ID NOS:1-5252"; (b) the nucleic acid of (a) also comprising at least one additional gene, operably linked to permit expression of a fusion protein; (c) an expression vector comprising (a) or (b); (d) a plasmid comprising (a) or (b); and (e) a recombinant viral particle comprising (a) or (b). Once provided with the polynucleotides disclosed herein, construction or preparation of (a) - (e) are well within the skill in the art.

The sequence of a nucleic acid comprising at least 15 contiguous nucleotides of at least any one of "SEQ ID NOS:1-5252," preferably the entire sequence of at least any one of "SEQ ID NOS:1-5252," is not limited and can be any sequence of A, T, G, and/or C (for DNA) and A, U, G, and/or C (for RNA) or modified bases thereof, including inosine and pseudouridine. The choice of sequence will depend on the desired function and can be dictated by coding regions desired, the intron-like regions desired, and the regulatory regions desired. Where the entire sequence of any one of "SEQ ID NOS:1-5252" is within the nucleic acid, the nucleic acid obtained is referred to herein as a polynucleotide comprising the sequence of any one of "SEQ ID NOS:1-5252."

II. Expression of Polypeptide Encoded by Full-Length cDNA or Full-Length Gene

The provided polynucleotide (*e.g.*, a polynucleotide having a sequence of one of "SEQ ID NOS:1-5252"), the corresponding cDNA, or the full-length gene is used to express a partial or complete gene product. Constructs of polynucleotides having sequences of "SEQ ID NOS:1-5252" can be generated synthetically. Alternatively, single-step assembly of a gene and entire plasmid from large numbers of oligodeoxyribonucleotides is described by, *e.g.*, Stemmer *et al.*, *Gene (Amsterdam)* (1995) 164(1):49-53. In this method, assembly PCR (the synthesis of long DNA sequences from

large numbers of oligodeoxyribonucleotides (oligos)) is described. The method is derived from DNA shuffling (Stemmer, *Nature* (1994) 370:389-391), and does not rely on DNA ligase, but instead relies on DNA polymerase to build increasingly longer DNA fragments during the assembly process.

5 Appropriate polynucleotide constructs are purified using standard recombinant DNA techniques as described in, for example, Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual, 2nd Ed.*, (1989) Cold Spring Harbor Press, Cold Spring Harbor, NY, and under current regulations described in United States Dept. of HHS, National Institute of Health (NIH) Guidelines for Recombinant DNA Research. The gene product encoded
10 by a polynucleotide of the invention is expressed in any expression system, including, for example, bacterial, yeast, insect, amphibian and mammalian systems. Suitable vectors and host cells are described in U.S. Patent No. 5,654,173.

Bacteria. Expression systems in bacteria include those described in Chang *et al.*, *Nature* (1978) 275:615; Goeddel *et al.*, *Nature* (1979) 281:544; Goeddel *et al.*, *Nucleic
15 Acids Res.* (1980) 8:4057; EP 0 036,776; U.S. Patent No. 4,551,433; DeBoer *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1983) 80:21-25; and Siebenlist *et al.*, *Cell* (1980) 20:269.

Yeast. Expression systems in yeast include those described in Hinnen *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1978) 75:1929; Ito *et al.*, *J. Bacteriol.* (1983) 153:163; Kurtz *et al.*, *Mol. Cell. Biol.* (1986) 6:142; Kunze *et al.*, *J. Basic Microbiol.* (1985) 25:141; Gleeson *et
20 al.*, *J. Gen. Microbiol.* (1986) 132:3459; Roggenkamp *et al.*, *Mol. Gen. Genet.* (1986) 202:302; Das *et al.*, *J. Bacteriol.* (1984) 158:1165; De Louvencourt *et al.*, *J. Bacteriol.* (1983) 154:737; Van den Berg *et al.*, *Bio/Technology* (1990) 8:135; Kunze *et al.*, *J. Basic Microbiol.* (1985) 25:141; Cregg *et al.*, *Mol. Cell. Biol.* (1985) 5:3376; U.S. Patent Nos. 4,837,148 and 4,929,555; Beach and Nurse, *Nature* (1981) 300:706; Davidow *et al.*, *Curr.
25 Genet.* (1985) 10:380; Gaillardin *et al.*, *Curr. Genet.* (1985) 10:49; Ballance *et al.*, *Biochem. Biophys. Res. Commun.* (1983) 112:284-289; Tilburn *et al.*, *Gene* (1983) 26:205-221; Yelton *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1984) 81:1470-1474; Kelly and Hynes, *EMBO J.* (1985) 4:475479; EP 0 244,234; and WO 91/00357.

Insect Cells. Expression of heterologous genes in insects is accomplished as
30 described in U.S. Patent No. 4,745,051; Friesen *et al.*, "The Regulation of Baculovirus Gene Expression", in: *The Molecular Biology Of Baculoviruses* (1986) (W. Doerfler, ed.);

EP 0 127,839; EP 0 155,476; and Vlak *et al.*, *J. Gen. Virol.* (1988) 69:765-776; Miller *et al.*, *Ann. Rev. Microbiol.* (1988) 42:177; Carbonell *et al.*, *Gene* (1988) 73:409; Maeda *et al.*, *Nature* (1985) 315:592-594; Lebacqz-Verheyden *et al.*, *Mol. Cell. Biol.* (1988) 8:3129; Smith *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1985) 82:8844; Miyajima *et al.*, *Gene* (1987) 58:273; and Martin *et al.*, *DNA* (1988) 7:99. Numerous baculoviral strains and variants and corresponding permissive insect host cells from hosts are described in Luckow *et al.*, *Bio/Technology* (1988) 6:47-55, Miller *et al.*, *Generic Engineering* (1986) 8:277-279, and Maeda *et al.*, *Nature* (1985) 315:592-594.

Mammalian Cells. Mammalian expression is accomplished as described in

Dijkema *et al.*, *EMBO J.* (1985) 4:761, Gorman *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1982) 79:6777, Boshart *et al.*, *Cell* (1985) 41:521 and U.S. Patent No. 4,399,216. Other features of mammalian expression are facilitated as described in Ham and Wallace, *Meth. Enz.* (1979) 58:44, Barnes and Sato, *Anal. Biochem.* (1980) 102:255, U.S. Patent Nos. 4,767,704, 4,657,866, 4,927,762, 4,560,655, WO 90/103430, WO 87/00195, and U.S. RE 30,985.

Polynucleotide molecules comprising a polynucleotide sequence provided herein propagated by placing the molecule in a vector. Viral and non-viral vectors are used, including plasmids. The choice of plasmid will depend on the type of cell in which propagation is desired and the purpose of propagation. Certain vectors are useful for amplifying and making large amounts of the desired DNA sequence. Other vectors are suitable for expression in cells in culture. Still other vectors are suitable for transfer and expression in cells in a whole animal or person. The choice of appropriate vector is well within the skill of the art. Many such vectors are available commercially. The partial or full-length polynucleotide is inserted into a vector typically by means of DNA ligase attachment to a cleaved restriction enzyme site in the vector. Alternatively, the desired nucleotide sequence can be inserted by homologous recombination *in vivo*. Typically this is accomplished by attaching regions of homology to the vector on the flanks of the desired nucleotide sequence. Regions of homology are added by ligation of oligonucleotides, or by polymerase chain reaction using primers comprising both the region of homology and a portion of the desired nucleotide sequence, for example.

The polynucleotides set forth in "SEQ ID NOS:1-5252" or their corresponding full-length polynucleotides are linked to regulatory sequences as appropriate to obtain the desired expression properties. These can include promoters (attached either at the 5' end of the sense strand or at the 3' end of the antisense strand), enhancers, terminators, operators, repressors, and inducers. The promoters can be regulated or constitutive. In some situations it may be desirable to use conditionally active promoters, such as tissue-specific or developmental stage-specific promoters. These are linked to the desired nucleotide sequence using the techniques described above for linkage to vectors. Any techniques known in the art can be used.

When any of the above host cells, or other appropriate host cells or organisms, are used to replicate and/or express the polynucleotides or nucleic acids of the invention, the resulting replicated nucleic acid, RNA, expressed protein or polypeptide, is within the scope of the invention as a product of the host cell or organism. The product is recovered by any appropriate means known in the art.

Once the gene corresponding to a selected polynucleotide is identified, its expression can be regulated in the cell to which the gene is native. For example, an endogenous gene of a cell can be regulated by an exogenous regulatory sequence as disclosed in U.S. Patent No. 5,641,670.

III. Identification of Functional and Structural Motifs of Novel Genes

A. Screening Polynucleotide Sequences and Amino Acid Sequences Against Publicly Available Databases

Translations of the nucleotide sequence of the provided polynucleotides, cDNAs or full genes can be aligned with individual known sequences. Similarity with individual sequences can be used to determine the activity of the polypeptides encoded by the polynucleotides of the invention. For example, sequences that show similarity with a chemokine sequence can exhibit chemokine activities. Also, sequences exhibiting similarity with more than one individual sequence can exhibit activities that are characteristic of either or both individual sequences.

The full length sequences and fragments of the polynucleotide sequences of the nearest neighbors can be used as probes and primers to identify and isolate the full length

sequence corresponding to provided polynucleotides. The nearest neighbors can indicate a tissue or cell type to be used to construct a library for the full-length sequences corresponding to the provided polynucleotides..

Typically, a selected polynucleotide is translated in all six frames to determine the best alignment with the individual sequences. The sequences disclosed herein in the Sequence Listing are in a 5' to 3' orientation and translation in three frames can be sufficient (with a few specific exceptions as described in the Examples). These amino acid sequences are referred to, generally, as query sequences, which will be aligned with the individual sequences. Databases with individual sequences are described in "Computer Methods for Macromolecular Sequence Analysis" *Methods in Enzymology* (1996) 266, Doolittle, Academic Press, Inc., a division of Harcourt Brace & Co., San Diego, California, USA. Databases include Genbank, EMBL, and DNA Database of Japan (DDBJ).

Query and individual sequences can be aligned using the methods and computer programs described above, and include BLAST, available over the world wide web at <http://www.ncbi.nlm.nih.gov/BLAST/>. Another alignment algorithm is Fasta, available in the Genetics Computing Group (GCG) package, Madison, Wisconsin, USA, a wholly owned subsidiary of Oxford Molecular Group, Inc. Other techniques for alignment are described in Doolittle, *supra*. Preferably, an alignment program that permits gaps in the sequence is utilized to align the sequences. The Smith-Waterman is one type of algorithm that permits gaps in sequence alignments. See *Meth. Mol. Biol.* (1997) 70: 173-187. Also, the GAP program using the Needleman and Wunsch alignment method can be utilized to align sequences. An alternative search strategy uses MPSRCH software, which runs on a MASPAR computer. MPSRCH uses a Smith-Waterman algorithm to score sequences on a massively parallel computer. This approach improves ability to identify sequences that are distantly related matches, and is especially tolerant of small gaps and nucleotide sequence errors. Amino acid sequences encoded by the provided polynucleotides can be used to search both protein and DNA databases.

Results of individual and query sequence alignments can be divided into three categories, high similarity, weak similarity, and no similarity. Individual alignment results ranging from high similarity to weak similarity provide a basis for determining polypeptide activity and/or structure. Parameters for categorizing individual results include: percentage

of the alignment region length where the strongest alignment is found, percent sequence identity, and p value.

The percentage of the alignment region length is calculated by counting the number of residues of the individual sequence found in the region of strongest alignment, *e.g.*,
5 contiguous region of the individual sequence that contains the greatest number of residues that are identical to the residues of the corresponding region of the aligned query sequence.

This number is divided by the total residue length of the query sequence to calculate a percentage. For example, a query sequence of 20 amino acid residues might be aligned with a 20 amino acid region of an individual sequence. The individual sequence might be
10 identical to amino acid residues 5, 9-15, and 17-19 of the query sequence. The region of strongest alignment is thus the region stretching from residue 9-19, an 11 amino acid stretch. The percentage of the alignment region length is: 11 (length of the region of strongest alignment) divided by (query sequence length) 20 or 55%.

Percent sequence identity is calculated by counting the number of amino acid
15 matches between the query and individual sequence and dividing total number of matches by the number of residues of the individual sequences found in the region of strongest alignment. Thus, the percent identity in the example above would be 10 matches divided by 11 amino acids, or approximately, 90.9%

P value is the probability that the alignment was produced by chance. For a single
20 alignment, the p value can be calculated according to Karlin *et al.*, *Proc. Natl. Acad. Sci.* (1990) 87:2264 and Karlin *et al.*, *Proc. Natl. Acad. Sci.* (1993) 90. The p value of multiple alignments using the same query sequence can be calculated using an heuristic approach described in Altschul *et al.*, *Nat. Genet.* (1994) 6:119. Alignment programs such as BLAST program can calculate the p value.

25 Another factor to consider for determining identity or similarity is the location of the similarity or identity. Strong local alignment can indicate similarity even if the length of alignment is short. Sequence identity scattered throughout the length of the query sequence also can indicate a similarity between the query and profile sequences. The boundaries of the region where the sequences align can be determined according to
30 Doolittle, *supra*; BLAST or FAST programs; or by determining the area where sequence identity is highest.

High Similarity. In general, in alignment results considered to be of high similarity, the percent of the alignment region length is typically at least about 55% of total length query sequence; more typically, at least about 58%; even more typically; at least about 60% of the total residue length of the query sequence. Usually, percent length of the alignment region can be as much as about 62%; more usually, as much as about 64%; even more usually, as much as about 66%. Further, for high similarity, the region of alignment, typically, exhibits at least about 75% of sequence identity; more typically, at least about 78%; even more typically; at least about 80% sequence identity. Usually, percent sequence identity can be as much as about 82%; more usually, as much as about 84%; even more usually, as much as about 86%.

The p value is used in conjunction with these methods. If high similarity is found, the query sequence is considered to have high similarity with a profile sequence when the p value is less than or equal to about 10^{-2} ; more usually; less than or equal to about 10^{-3} ; even more usually; less than or equal to about 10^{-4} . More typically, the p value is no more than about 10^{-5} ; more typically; no more than or equal to about 10^{-10} ; even more typically; no more than or equal to about 10^{-15} for the query sequence to be considered high similarity.

Weak Similarity. In general, where alignment results considered to be of weak similarity, there is no minimum percent length of the alignment region nor minimum length of alignment. A better showing of weak similarity is considered when the region of alignment is, typically, at least about 15 amino acid residues in length; more typically, at least about 20; even more typically; at least about 25 amino acid residues in length. Usually, length of the alignment region can be as much as about 30 amino acid residues; more usually, as much as about 40; even more usually, as much as about 60 amino acid residues. Further, for weak similarity, the region of alignment, typically, exhibits at least about 35% of sequence identity; more typically, at least about 40%; even more typically; at least about 45% sequence identity. Usually, percent sequence identity can be as much as about 50%; more usually, as much as about 55%; even more usually, as much as about 60%.

If low similarity is found, the query sequence is considered to have weak similarity with a profile sequence when the p value is usually less than or equal to about 10^{-2} ; more usually; less than or equal to about 10^{-3} ; even more usually; less than or equal to about 10^{-4} . More

typically, the p value is no more than about 10^{-5} ; more usually; no more than or equal to about 10^{-10} ; even more usually; no more than or equal to about 10^{-15} for the query sequence to be considered weak similarity.

Similarity Determined by Sequence Identity Alone. Sequence identity alone can be used to determine similarity of a query sequence to an individual sequence and can indicate the activity of the sequence. Such an alignment, preferably, permits gaps to align sequences. Typically, the query sequence is related to the profile sequence if the sequence identity over the entire query sequence is at least about 15%; more typically, at least about 20%; even more typically, at least about 25%; even more typically, at least about 50%. Sequence identity alone as a measure of similarity is most useful when the query sequence is usually, at least 80 residues in length; more usually, 90 residues; even more usually, at least 95 amino acid residues in length. More typically, similarity can be concluded based on sequence identity alone when the query sequence is preferably 100 residues in length; more preferably, 120 residues in length; even more preferably, 150 amino acid residues in length.

Determining Activity from Alignments with Profile and Multiple Aligned Sequences. Translations of the provided polynucleotides can be aligned with amino acid profiles that define either protein families or common motifs. Also, translations of the provided polynucleotides can be aligned to multiple sequence alignments (MSA) comprising the polypeptide sequences of members of protein families or motifs. Similarity or identity with profile sequences or MSAs can be used to determine the activity of the gene products (e.g., polypeptides) encoded by the provided polynucleotides or corresponding cDNA or genes. For example, sequences that show an identity or similarity with a chemokine profile or MSA can exhibit chemokine activities.

Profiles can be designed manually by (1) creating an MSA, which is an alignment of the amino acid sequence of members that belong to the family and (2) constructing a statistical representation of the alignment. Such methods are described, for example, in Birney *et al.*, *Nucl. Acid Res.* (1996) 24(14): 2730-2739. MSAs of some protein families and motifs are publicly available. For example, <http://genome.wustl.edu/Pfam/> includes MSAs of 547 different families and motifs. These MSAs are described also in Sonnhammer *et al.*, *Proteins* (1997) 28: 405-420. Other sources over the world wide web

include the site at <http://www.embl-heidelberg.de/argos/ali/ali.html>; alternatively, a message can be sent to ALI@EMBL-HEIDELBERG.DE for the information. A brief description of these MSAs is reported in Pascarella *et al.*, *Prot. Eng.* (1996) 9(3):249-251. Techniques for building profiles from MSAs are described in Sonnhammer *et al.*, *supra*; 5 Birney *et al.*, *supra*; and "Computer Methods for Macromolecular Sequence Analysis," *Methods in Enzymology* (1996) 266, Doolittle, Academic Press, Inc., a division of Harcourt Brace & Co., San Diego, California, USA.

Similarity between a query sequence and a protein family or motif can be determined by (a) comparing the query sequence against the profile and/or (b) aligning the 10 query sequence with the members of the family or motif. Typically, a program such as Searchwise is used to compare the query sequence to the statistical representation of the multiple alignment, also known as a profile. The program is described in Birney *et al.*, *supra*. Other techniques to compare the sequence and profile are described in Sonnhammer *et al.*, *supra* and Doolittle, *supra*.

15 Next, methods described by Feng *et al.*, *J. Mol. Evol.* (1987) 25:351 and Higgins *et al.*, *CABIOS* (1989) 5:151 can be used align the query sequence with the members of a family or motif, also known as a MSA. Computer programs, such as PILEUP, can be used. See Feng *et al.*, *infra*. In general, the following factors are used to determine if a similarity between a query sequence and a profile or MSA exists: (1) number of conserved residues 20 found in the query sequence, (2) percentage of conserved residues found in the query sequence, (3) number of frameshifts, and (4) spacing between conserved residues.

Some alignment programs that both translate and align sequences can make any number of frameshifts when translating the nucleotide sequence to produce the best alignment. The fewer frameshifts needed to produce an alignment, the stronger the 25 similarity or identity between the query and profile or MSAs. For example, a weak similarity resulting from no frameshifts can be a better indication of activity or structure of a query sequence, than a strong similarity resulting from two frameshifts. Preferably, three or fewer frameshifts are found in an alignment; more preferably two or fewer frameshifts; even more preferably, one or fewer frameshifts; even more preferably, no frameshifts are 30 found in an alignment of query and profile or MSAs.

Conserved residues are those amino acids found at a particular position in all or some of the family or motif members. For example, most chemokines contain four conserved cysteines. Alternatively, a position is considered conserved if only a certain class of amino acids is found in a particular position in all or some of the family members.

- 5 For example, the N-terminal position can contain a positively charged amino acid, such as lysine, arginine, or histidine.

Typically, a residue of a polypeptide is conserved when a class of amino acids or a single amino acid is found at a particular position in at least about 40% of all class members; more typically, at least about 50%; even more typically, at least about 60% of the members. Usually, a residue is conserved when a class or single amino acid is found in at least about 70% of the members of a family or motif; more usually, at least about 80%; even more usually, at least about 90%; even more usually, at least about 95%.

A residue is considered conserved when three unrelated amino acids are found at a particular position in the some or all of the members; more usually, two unrelated amino acids. These residues are conserved when the unrelated amino acids are found at particular positions in at least about 40% of all class member; more typically, at least about 50%; even more typically, at least about 60% of the members. Usually, a residue is conserved when a class or single amino acid is found in at least about 70% of the members of a family or motif; more usually, at least about 80%; even more usually, at least about 90%; even more usually, at least about 95%.

A query sequence has similarity to a profile or MSA when the query sequence comprises at least about 25% of the conserved residues of the profile or MSA; more usually, at least about 30%; even more usually; at least about 40%. Typically, the query sequence has a stronger similarity to a profile sequence or MSA when the query sequence comprises at least about 45% of the conserved residues of the profile or MSA; more typically, at least about 50%; even more typically; at least about 55%.

B. Screening Polynucleotide and Amino Acid Sequences Against Protein Profiles

The identify and function of the gene that correlates to a polynucleotide described herein can be determined by screening the polynucleotides or their corresponding amino acid sequences against profiles of protein families. Such profiles focus on common

structural motifs among proteins of each family. Publicly available profiles are described above in Section IVA. Additional or alternative profiles are described below.

In comparing a novel polynucleotide with known sequences, several alignment tools are available. Examples include PileUp, which creates a multiple sequence alignment, and is described in Feng *et al.*, *J. Mol. Evol.* (1987) 25:351. Another method, GAP, uses the alignment method of Needleman *et al.*, *J. Mol. Biol.* (1970) 48:443. GAP is best suited for global alignment of sequences. A third method, BestFit, functions by inserting gaps to maximize the number of matches using the local homology algorithm of Smith *et al.*, *Adv. Appl. Math.* (1981) 2:482.

C. Identification of Secreted & Membrane-Bound Polypeptides

Both secreted and membrane-bound polypeptides of the present invention are of particular interest. For example, levels of secreted polypeptides can be assayed in body fluids that are convenient, such as blood, urine, prostatic fluid and semen. Membrane-bound polypeptides are useful for constructing vaccine antigens or inducing an immune response. Such antigens would comprise all or part of the extracellular region of the membrane-bound polypeptides. Because both secreted and membrane-bound polypeptides comprise a fragment of contiguous hydrophobic amino acids, hydrophobicity predicting algorithms can be used to identify such polypeptides.

A signal sequence is usually encoded by both secreted and membrane-bound polypeptide genes to direct a polypeptide to the surface of the cell. The signal sequence usually comprises a stretch of hydrophobic residues. Such signal sequences can fold into helical structures. Membrane-bound polypeptides typically comprise at least one transmembrane region that possesses a stretch of hydrophobic amino acids that can transverse the membrane. Some transmembrane regions also exhibit a helical structure. Hydrophobic fragments within a polypeptide can be identified by using computer algorithms. Such algorithms include Hopp & Woods, *Proc. Natl. Acad. Sci. USA* (1981) 78:3824-3828; Kyte & Doolittle, *J. Mol. Biol.* (1982) 157: 105-132; and RAOAR algorithm, Degli Esposti *et al.*, *Eur. J. Biochem.* (1990) 190: 207-219.

Another method of identifying secreted and membrane-bound polypeptides is to translate the polynucleotides of the invention in all six frames and determine if at least 8

contiguous hydrophobic amino acids are present. Those translated polypeptides with at least 8; more typically, 10; even more typically, 12 contiguous hydrophobic amino acids are considered to be either a putative secreted or membrane bound polypeptide.

Hydrophobic amino acids include alanine, glycine, histidine, isoleucine, leucine, lysine,
5 methionine, phenylalanine, proline, threonine, tryptophan, tyrosine, and valine.

IV. Identification of the Function of an Expression Product of a Full-Length Gene Corresponding to a Polynucleotide

Ribozymes, antisense constructs, and dominant negative mutants can be used to
10 determine function of the expression product of a gene corresponding to a polynucleotide provided herein. These methods and compositions are particularly useful where the provided novel polynucleotide exhibits no significant or substantial homology to a sequence encoding a gene of known function. Antisense molecules and ribozymes can be constructed from synthetic polynucleotides. Typically, the phosphoramidite method of
15 oligonucleotide synthesis is used. See Beaucage *et al.*, *Tet. Lett.* (1981) 22:1859 and U.S. Patent No. 4,668,777. Automated devices for synthesis are available to create oligonucleotides using this chemistry. Examples of such devices include Biosearch 8600, Models 392 and 394 by Applied Biosystems, a division of Perkin-Elmer Corp., Foster City, California, USA; and Expedite by Perceptive Biosystems, Framingham, Massachusetts,
20 USA. Synthetic RNA, phosphate analog oligonucleotides, and chemically derivatized oligonucleotides can also be produced, and can be covalently attached to other molecules. RNA oligonucleotides can be synthesized, for example, using RNA phosphoramidites. This method can be performed on an automated synthesizer, such as Applied Biosystems, Models 392 and 394, Foster City, California, USA. See Applied Biosystems User Bulletin
25 53 and Ogilvie *et al.*, *Pure & Applied Chem.* (1987) 59:325.

Phosphorothioate oligonucleotides can also be synthesized for antisense construction. A sulfurizing reagent, such as tetraethylthiuram disulfide (TETD) in acetonitrile can be used to convert the internucleotide cyanoethyl phosphite to the phosphorothioate triester within 15 minutes at room temperature. TETD replaces the
30 iodine reagent, while all other reagents used for standard phosphoramidite chemistry

remain the same. Such a synthesis method can be automated using Models 392 and 394 by Applied Biosystems, for example.

Oligonucleotides of up to 200 nucleotides can be synthesized, more typically, 100 nucleotides, more typically 50 nucleotides; even more typically 30 to 40 nucleotides.

5 These synthetic fragments can be annealed and ligated together to construct larger fragments. See, for example, Sambrook *et al.*, *supra*.

A. Ribozymes

Trans-cleaving catalytic RNAs (ribozymes) are RNA molecules possessing endoribonuclease activity. Ribozymes are specifically designed for a particular target, and
10 the target message must contain a specific nucleotide sequence. They are engineered to cleave any RNA species site-specifically in the background of cellular RNA. The cleavage event renders the mRNA unstable and prevents protein expression. Importantly, ribozymes can be used to inhibit expression of a gene of unknown function for the purpose of determining its function in an in vitro or in vivo context, by detecting the phenotypic effect.

15

One commonly used ribozyme motif is the hammerhead, for which the substrate sequence requirements are minimal. Design of the hammerhead ribozyme is disclosed in Usman *et al.*, *Current Opin. Struct. Biol.* (1996) 6:527. Ribozymes can also be prepared and used as described in Long *et al.*, *FASEB J.* (1993) 7:25; Symons, *Ann. Rev. Biochem.* (1992) 61:641; Perrottà *et al.*, *Biochem.* (1992) 31:16; Ojwang *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1992) 89:10802; and U.S. Patent No. 5,254,678. Ribozyme cleavage of HIV-I RNA is described in U.S. Patent No. 5,144,019; methods of cleaving RNA using ribozymes is described in U.S. Patent No. 5,116,742; and methods for increasing the specificity of ribozymes are described in U.S. Patent No. 5,225,337 and Koizumi *et al.*,
25 *Nucleic Acid Res.* (1989) 17:7059. Preparation and use of ribozyme fragments in a hammerhead structure are also described by Koizumi *et al.*, *Nucleic Acids Res.* (1989) 17:7059. Preparation and use of ribozyme fragments in a hairpin structure are described by Chowrira and Burke, *Nucleic Acids Res.* (1992) 20:2835. Ribozymes can also be made by rolling transcription as described in Daubendiek and Kool, *Nat. Biotechnol.* (1997)
30 15(3):273.

The hybridizing region of the ribozyme can be modified or can be prepared as a branched structure as described in Horn and Urdea, *Nucleic Acids Res.* (1989) 17:6959. The basic structure of the ribozymes can also be chemically altered in ways familiar to those skilled in the art, and chemically synthesized ribozymes can be administered as synthetic oligonucleotide derivatives modified by monomeric units. In a therapeutic context, liposome mediated delivery of ribozymes improves cellular uptake, as described in Birikh *et al.*, *Eur. J. Biochem.* (1997) 245:1.

Using the polynucleotide sequences of the invention and methods known in the art, ribozymes are designed to specifically bind and cut the corresponding mRNA species.

- 10 Ribozymes thus provide a means to inhibit the expression of any of the proteins encoded by the disclosed polynucleotides or their full-length genes. The full-length gene need not be known in order to design and use specific inhibitory ribozymes. In the case of a polynucleotide or full-length cDNA of unknown function, ribozymes corresponding to that nucleotide sequence can be tested in vitro for efficacy in cleaving the target transcript.
- 15 Those ribozymes that effect cleavage in vitro are further tested in vivo. The ribozyme can also be used to generate an animal model for a disease, as described in Birikh *et al.*, *supra*. An effective ribozyme is used to determine the function of the gene of interest by blocking its transcription and detecting a change in the cell. Where the gene is found to be a mediator in a disease, an effective ribozyme is designed and delivered in a gene therapy for blocking transcription and expression of the gene.
- 20

- Therapeutic and functional genomic applications of ribozymes proceed beginning with knowledge of a portion of the coding sequence of the gene to be inhibited. Thus, for many genes, a partial polynucleotide sequence provides adequate sequence for constructing an effective ribozyme. A target cleavage site is selected in the target sequence, and a
- 25 ribozyme is constructed based on the 5' and 3' nucleotide sequences that flank the cleavage site. Retroviral vectors are engineered to express monomeric and multimeric hammerhead ribozymes targeting the mRNA of the target coding sequence. These monomeric and multimeric ribozymes are tested in vitro for an ability to cleave the target mRNA. A cell line is stably transduced with the retroviral vectors expressing the ribozymes, and the
- 30 transduction is confirmed by Northern blot analysis and reverse-transcription polymerase chain reaction (RT-PCR). The cells are screened for inactivation of the target mRNA by

such indicators as reduction of expression of disease markers or reduction of the gene product of the target mRNA.

B. Antisense

Antisense nucleic acids are designed to specifically bind to RNA, resulting in the formation of RNA-DNA or RNA-RNA hybrids, with an arrest of DNA replication, reverse transcription or messenger RNA translation. Antisense polynucleotides based on a selected polynucleotide sequence can interfere with expression of the corresponding gene. Antisense polynucleotides are typically generated within the cell by expression from antisense constructs that contain the antisense strand as the transcribed strand. Antisense polynucleotides based on the disclosed polynucleotides will bind and/or interfere with the translation of mRNA comprising a sequence complementary to the antisense polynucleotide. The expression products of control cells and cells treated with the antisense construct are compared to detect the protein product of the gene corresponding to the polynucleotide upon which the antisense construct is based. The protein is isolated and identified using routine biochemical methods.

Given the extensive background literature and clinical experience in antisense therapy, one skilled in the art can use selected polynucleotides of the invention as additional potential therapeutics. The choice of polynucleotide can be narrowed by first testing them for binding to "hot spot" regions of the genome of cancerous cells. If a polynucleotide is identified as binding to a "hot spot", testing the polynucleotide as an antisense compound in the corresponding cancer cells clearly is warranted.

C. Dominant Negative Mutations

As an alternative method for identifying function of the gene corresponding to a polynucleotide disclosed herein, dominant negative mutations are readily generated for corresponding proteins that are active as homomultimers. A mutant polypeptide will interact with wild-type polypeptides (made from the other allele) and form a non-functional multimer. Thus, a mutation is in a substrate-binding domain, a catalytic domain, or a cellular localization domain. Preferably, the mutant polypeptide will be overproduced. Point mutations are made that have such an effect. In addition, fusion of different polypeptides of various lengths to the terminus of a protein can yield dominant negative mutants. General strategies are available for making dominant negative mutants (see, *e.g.*,

Herskowitz, *Nature* (1987) 329:219). Such techniques can be used to create loss of function mutations, which are useful for determining protein function.

V. Construction of Polypeptides of the Invention and Variants Thereof

5 The polypeptides of the invention include those encoded by the disclosed polynucleotides. These polypeptides can also be encoded by nucleic acids that, by virtue of the degeneracy of the genetic code, are not identical in sequence to the disclosed polynucleotides. Thus, the invention includes within its scope a polypeptide encoded by a polynucleotide having the sequence of any one of "SEQ ID NOS:1-5252" or a variant
10 thereof.

 In general, the term "polypeptide" as used herein refers to both the full length polypeptide encoded by the recited polynucleotide, the polypeptide encoded by the gene represented by the recited polynucleotide, as well as portions or fragments thereof. "Polypeptides" also includes variants of the naturally occurring proteins, where such
15 variants are homologous or substantially similar to the naturally occurring protein, and can be of an origin of the same or different species as the naturally occurring protein (*e.g.*, human, murine, or some other species that naturally expresses the recited polypeptide, usually a mammalian species). In general, variant polypeptides have a sequence that has at least about 80%, usually at least about 90%, and more usually at least about 98% sequence
20 identity with a differentially expressed polypeptide of the invention, as measured by BLAST using the parameters described above. The variant polypeptides can be naturally or non-naturally glycosylated, *i.e.*, the polypeptide has a glycosylation pattern that differs from the glycosylation pattern found in the corresponding naturally occurring protein.

 The invention also encompasses homologs of the disclosed polypeptides (or
25 fragments thereof) where the homologs are isolated from other species, *i.e.* other animal or plant species, where such homologs, usually mammalian species, *e.g.* rodents, such as mice, rats; domestic animals, *e.g.*, horse, cow, dog, cat; and humans. By homolog is meant a polypeptide having at least about 35%, usually at least about 40% and more usually at least about 60% amino acid sequence identity a particular differentially expressed protein
30 as identified above, where sequence identity is determined using the BLAST algorithm, with the parameters described *supra*.

In general, the polypeptides of the subject invention are provided in a non-naturally occurring environment, *e.g.* are separated from their naturally occurring environment. In certain embodiments, the subject protein is present in a composition that is enriched for the protein as compared to a control. As such, purified polypeptide is provided, where by
5 purified is meant that the protein is present in a composition that is substantially free of non-differentially expressed polypeptides, where by substantially free is meant that less than 90%, usually less than 60% and more usually less than 50% of the composition is made up of non-differentially expressed polypeptides.

Also within the scope of the invention are variants; variants of polypeptides include
10 mutants, fragments, and fusions. Mutants can include amino acid substitutions, additions or deletions. The amino acid substitutions can be conservative amino acid substitutions or substitutions to eliminate non-essential amino acids, such as to alter a glycosylation site, a phosphorylation site or an acetylation site, or to minimize misfolding by substitution or deletion of one or more cysteine residues that are not necessary for function. Conservative
15 amino acid substitutions are those that preserve the general charge, hydrophobicity/hydrophilicity, and/or steric bulk of the amino acid substituted. For example, substitutions between the following groups are conservative: Gly/Ala, Val/Ile/Leu, Asp/Glu, Lys/Arg, Asn/Gln, Ser/Cys, Thr, and Phe/Trp/Tyr.

Variants can be designed so as to retain biological activity of a particular region of
20 the protein (*e.g.*, a functional domain and/or, where the polypeptide is a member of a protein family, a region associated with a consensus sequence). In a non-limiting example, Osawa *et al.*, *Biochem. Mol. Int.* (1994) 34:1003, discusses the actin binding region of a protein from several different species. The actin binding regions of these species are considered homologous based on the fact that they have amino acids that fall within
25 "homologous residue groups." Homologous residues are judged according to the following groups (using single letter amino acid designations): STAG; ILVMF; HRK; DEQN; and FYW. For example, and S, a T, an A or a G can be in a position and the function (in this case actin binding) is retained.

Additional guidance on amino acid substitution is available from studies of protein
30 evolution. Go *et al.*, *Int. J. Peptide Protein Res.* (1980) 15:211, classified amino acid residue sites as interior or exterior depending on their accessibility. More frequent

substitution on exterior sites was confirmed to be general in eight sets of homologous protein families regardless of their biological functions and the presence or absence of a prosthetic group. Virtually all types of amino acid residues had higher mutabilities on the exterior than in the interior. No correlation between mutability and polarity was observed of amino acid residues in the interior and exterior, respectively. Amino acid residues were classified into one of three groups depending on their polarity: polar (Arg, Lys, His, Gln, Asn, Asp, and Glu); weak polar (Ala, Pro, Gly, Thr, and Ser), and nonpolar (Cys, Val, Met, Ile, Leu, Phe, Tyr, and Trp). Amino acid replacements during protein evolution were very conservative: 88% and 76% of them in the interior or exterior, respectively, were within the same group of the three. Inter-group replacements are such that weak polar residues are replaced more often by nonpolar residues in the interior and more often by polar residues on the exterior.

Additional guidance for production of polypeptide variants is provided in Querol *et al.*, *Prot. Eng.* (1996) 9:265, which provides general rules for amino acid substitutions to enhance protein thermostability. New glycosylation sites can be introduced as discussed in Olsen and Thomsen, *J. Gen. Microbiol.* (1991) 137:579. An additional disulfide bridge can be introduced, as discussed by Perry and Wetzel, *Science* (1984) 226:555; Pantoliano *et al.*, *Biochemistry* (1987) 26:2077; Matsumura *et al.*, *Nature* (1989) 342:291; Nishikawa *et al.*, *Protein Eng.* (1990) 3:443; Takagi *et al.*, *J. Biol. Chem.* (1990) 265:6874; Clarke *et al.*, *Biochemistry* (1993) 32:4322; and Wakarchuk *et al.*, *Protein Eng.* (1994) 7:1379. Metal binding sites can be introduced, according to Toma *et al.*, *Biochemistry* (1991) 30:97, and Haezebrouck *et al.*, *Protein Eng.* (1993) 6:643. Substitutions with prolines in loops can be made according to Masul *et al.*, *Appl. Env. Microbiol.* (1994) 60:3579; and Hardy *et al.*, *FEBS Lett.* 317:89.

Cysteine-depleted muteins are considered variants within the scope of the invention. These variants can be constructed according to methods disclosed in U.S. Patent No. 4,959,314, which discloses substitution of cysteines with other amino acids, and methods for assaying biological activity and effect of the substitution. Such methods are suitable for proteins according to this invention that have cysteine residues suitable for such substitutions, for example to eliminate disulfide bond formation.

Variants also include fragments of the polypeptides disclosed herein, particularly biologically active fragments and/or fragments corresponding to functional domains. Fragments of interest will typically be at least about 10 aa to at least about 15 aa in length, usually at least about 50 aa in length, and can be as long as 300 aa in length or longer, but will usually not exceed about 1000 aa in length, where the fragment will have a stretch of amino acids that is identical to a polypeptide encoded by a polynucleotide having a sequence of any "SEQ ID NOS:1-5252", or a homolog thereof.

The protein variants described herein are encoded by polynucleotides that are within the scope of the invention. The genetic code can be used to select the appropriate codons to construct the corresponding variants.

VI. Computer-Related Embodiments

In general, a library of polynucleotides is a collection of sequence information, which information is provided in either biochemical form (*e.g.*, as a collection of polynucleotide molecules), or in electronic form (*e.g.*, as a collection of polynucleotide sequences stored in a computer-readable form, as in a computer system and/or as part of a computer program). The sequence information of the polynucleotides can be used in a variety of ways, *e.g.*, as a resource for gene discovery, as a representation of sequences expressed in a selected cell type (*e.g.*, cell type markers), and/or as markers of a given disease or disease state. In general, a disease marker is a representation of a gene product that is present in all cells affected by disease either at an increased or decreased level relative to a normal cell (*e.g.*, a cell of the same or similar type that is not substantially affected by disease). For example, a polynucleotide sequence in a library can be a polynucleotide that represents an mRNA, polypeptide, or other gene product encoded by the polynucleotide, that is either overexpressed or underexpressed in a breast ductal cell affected by cancer relative to a normal (*i.e.*, substantially disease-free) breast cell.

The nucleotide sequence information of the library can be embodied in any suitable form, *e.g.*, electronic or biochemical forms. For example, a library of sequence information embodied in electronic form includes an accessible computer data file (or, in biochemical form, a collection of nucleic acid molecules) that contains the representative nucleotide sequences of genes that are differentially expressed (*e.g.*, overexpressed or underexpressed)

as between, for example, i) a cancerous cell and a normal cell; ii) a cancerous cell and a dysplastic cell; iii) a cancerous cell and a cell affected by a disease or condition other than cancer; iv) a metastatic cancerous cell and a normal cell and/or non-metastatic cancerous cell; v) a malignant cancerous cell and a non-malignant cancerous cell (or a normal cell) and/or vi) a dysplastic cell relative to a normal cell. Other combinations and comparisons of cells affected by various diseases or stages of disease will be readily apparent to the ordinarily skilled artisan. Biochemical embodiments of the library include a collection of nucleic acids that have the sequences of the genes in the library, where the nucleic acids can correspond to the entire gene in the library or to a fragment thereof, as described in greater detail below.

The polynucleotide libraries of the subject invention include sequence information of a plurality of polynucleotide sequences, where at least one of the polynucleotides has a sequence of any of "SEQ ID NOS:1-5252." By plurality is meant at least 2, usually at least 3 and can include up to all of "SEQ ID NOS:1-5252." The length and number of polynucleotides in the library will vary with the nature of the library, *e.g.*, if the library is an oligonucleotide array, a cDNA array, a computer database of the sequence information, etc.

Where the library is an electronic library, the nucleic acid sequence information can be present in a variety of media. "Media" refers to a manufacture, other than an isolated nucleic acid molecule, that contains the sequence information of the present invention. Such a manufacture provides the genome sequence or a subset thereof in a form that can be examined by means not directly applicable to the sequence as it exists in a nucleic acid. For example, the nucleotide sequence of the present invention, *e.g.* the nucleic acid sequences of any of the polynucleotides of "SEQ ID NOS:1-5252," can be recorded on computer readable media, *e.g.* any medium that can be read and accessed directly by a computer. Such media include, but are not limited to: magnetic storage media, such as a floppy disc, a hard disc storage medium, and a magnetic tape; optical storage media such as CD-ROM; electrical storage media such as RAM and ROM; and hybrids of these categories such as magnetic/optical storage media. One of skill in the art can readily appreciate how any of the presently known computer readable mediums can be used to create a manufacture comprising a recording of the present sequence information.

"Recorded" refers to a process for storing information on computer readable medium, using any such methods as known in the art. Any convenient data storage structure can be chosen, based on the means used to access the stored information. A variety of data processor programs and formats can be used for storage, *e.g.* word processing text file, database format, *etc.* In addition to the sequence information, electronic versions of the libraries of the invention can be provided in conjunction or connection with other computer-readable information and/or other types of computer-readable files (*e.g.*, searchable files, executable files, *etc.*, including, but not limited to, for example, search program software, *etc.*).

By providing the nucleotide sequence in computer readable form, the information can be accessed for a variety of purposes. Computer software to access sequence information is publicly available. For example, the BLAST (Altschul *et al.*, *supra.*) and BLAZE (Brutlag *et al. Comp. Chem.* (1993) 17:203) search algorithms on a Sybase system can be used to identify open reading frames (ORFs) within the genome that contain homology to ORFs from other organisms.

As used herein, "a computer-based system" refers to the hardware means, software means, and data storage means used to analyze the nucleotide sequence information of the present invention. The minimum hardware of the computer-based systems of the present invention comprises a central processing unit (CPU), input means, output means, and data storage means. A skilled artisan can readily appreciate that any one of the currently available computer-based system are suitable for use in the present invention. The data storage means can comprise any manufacture comprising a recording of the present sequence information as described above, or a memory access means that can access such a manufacture.

"Search means" refers to one or more programs implemented on the computer-based system, to compare a target sequence or target structural motif with the stored sequence information. Search means are used to identify fragments or regions of the genome that match a particular target sequence or target motif. A variety of known algorithms are publicly known and commercially available, *e.g.* MacPattern (EMBL), BLASTN and BLASTX (NCBI). A "target sequence" can be any DNA or amino acid

sequence of six or more nucleotides or two or more amino acids, preferably from about 10 to 100 amino acids or from about 30 to 300 nucleotide residues.

A "target structural motif," or "target motif," refers to any rationally selected sequence or combination of sequences in which the sequence(s) are chosen based on a three-dimensional configuration that is formed upon the folding of the target motif, or on consensus sequences of regulatory or active sites. There are a variety of target motifs known in the art. Protein target motifs include, but are not limited to, enzyme active sites and signal sequences. Nucleic acid target motifs include, but are not limited to, hairpin structures, promoter sequences and other expression elements such as binding sites for transcription factors.

A variety of structural formats for the input and output means can be used to input and output the information in the computer-based systems of the present invention. One format for an output means ranks fragments of the genome possessing varying degrees of homology to a target sequence or target motif. Such presentation provides a skilled artisan with a ranking of sequences and identifies the degree of sequence similarity contained in the identified fragment.

A variety of comparing means can be used to compare a target sequence or target motif with the data storage means to identify sequence fragments of the genome. A skilled artisan can readily recognize that any one of the publicly available homology search programs can be used as the search means for the computer based systems of the present invention.

As discussed above, the "library" of the invention also encompasses biochemical libraries of the polynucleotides of "SEQ ID NOS:1-5252," *e.g.*, collections of nucleic acids representing the provided polynucleotides. The biochemical libraries can take a variety of forms, *e.g.*, a solution of cDNAs, a pattern of probe nucleic acids stably associated with a surface of a solid support (*i.e.*, an array) and the like. Of particular interest are nucleic acid arrays in which one or more of "SEQ ID NOS:1-5252" is represented on the array. By array is meant an article of manufacture that has at least a substrate with at least two distinct nucleic acid targets on one of its surfaces, where the number of distinct nucleic acids can be considerably higher, typically being at least 10 nt, usually at least 20 nt and often at least 25 nt. A variety of different array formats have been developed and are known to those of

skill in the art, including those described in 5,242,974; 5,384,261; 5,405,783; 5,412,087; 5,424,186; 5,429,807; 5,436,327; 5,445,934; 5,472,672; 5,527,681; 5,529,756; 5,545,531; 5,554,501; 5,556,752; 5,561,071; 5,599,895; 5,624,711; 5,639,603; 5,658,734; WO 93/17126; WO 95/11995; WO 95/35505; EP 742287; and EP 799897. The arrays of the
5 subject invention find use in a variety of applications, including gene expression analysis, drug screening, mutation analysis and the like, as disclosed in the above-listed exemplary patent documents.

In addition to the above nucleic acid libraries, analogous libraries of polypeptides are also provided, where the where the polypeptides of the library will represent at least a
10 portion of the polypeptides encoded by "SEQ ID NOS:1-5252."

VII. Utilities

A. Use of Polynucleotide Probes in Mapping, and in Tissue Profiling

Polynucleotide probes, generally comprising at least 12 contiguous nucleotides of a
15 polynucleotide as shown in the Sequence Listing, are used for a variety of purposes, such as chromosome mapping of the polynucleotide and detection of transcription levels. Additional disclosure about preferred regions of the disclosed polynucleotide sequences is found in the Examples. A probe that hybridizes specifically to a polynucleotide disclosed herein should provide a detection signal at least 5-, 10-, or 20-fold higher than the
20 background hybridization provided with other unrelated sequences.

Probes in Detection of Expression Levels. Nucleotide probes are used to detect expression of a gene corresponding to the provided polynucleotide. In Northern blots, mRNA is separated electrophoretically and contacted with a probe. A probe is detected as hybridizing to an mRNA species of a particular size. The amount of hybridization is
25 quantitated to determine relative amounts of expression, for example under a particular condition. Probes are used for in situ hybridization to cells to detect expression. Probes can also be used *in vivo* for diagnostic detection of hybridizing sequences. Probes are typically labeled with a radioactive isotope. Other types of detectable labels can be used such as chromophores, fluors, and enzymes. Other examples of nucleotide hybridization
30 assays are described in WO92/02526 and U.S. Patent No. 5,124,246.

The Polymerase Chain Reaction (PCR) is another means for detecting small amounts of target nucleic acids (see, *e.g.*, Mullis *et al.*, *Meth. Enzymol.* (1987) 155:335; U.S. Patent No. 4,683,195; and U.S. Patent No. 4,683,202). Two primer polynucleotides nucleotides hybridize with the target nucleic acids and are used to prime the reaction. The
5 primers can be composed of sequence within or 3' and 5' to the polynucleotides of the Sequence Listing. Alternatively, if the primers are 3' and 5' to these polynucleotides, they need not hybridize to them or the complements. A thermostable polymerase creates copies of target nucleic acids from the primers using the original target nucleic acids as a template. After a large amount of target nucleic acids is generated by the polymerase, it is detected
10 by methods such as Southern blots. When using the Southern blot method, the labeled probe will hybridize to a polynucleotide of the Sequence Listing or complement.

Furthermore, mRNA or cDNA can be detected by traditional blotting techniques described in Sambrook *et al.*, "Molecular Cloning: A Laboratory Manual" (New York, Cold Spring Harbor Laboratory, 1989). mRNA or cDNA generated from mRNA using a
15 polymerase enzyme can be purified and separated using gel electrophoresis. The nucleic acids on the gel are then blotted onto a solid support, such as nitrocellulose. The solid support is exposed to a labeled probe and then washed to remove any unhybridized probe. Next, the duplexes containing the labeled probe are detected. Typically, the probe is labeled with radioactivity.

20 Mapping. Polynucleotides of the present invention are used to identify a chromosome on which the corresponding gene resides. Such mapping can be useful in identifying the function of the polynucleotide-related gene by its proximity to other genes with known function. Function can also be assigned to the polynucleotide-related gene when particular syndromes or diseases map to the same chromosome. For example, use of
25 polynucleotide probes in identification and quantification of nucleic acid sequence aberrations is described in U.S. Patent No. 5,783,387.

For example, fluorescence in situ hybridization (FISH) on normal metaphase spreads facilitates comparative genomic hybridization to allow total genome assessment of changes in relative copy number of DNA sequences. See Schwartz and Samad, *Curr.*
30 *Opin. Biotechnol.* (1994) 8:70; Kallioniemi *et al.*, *Sem. Cancer Biol.* (1993) 4:41; Valdes

et al., *Methods in Molecular Biology* (1997) 68:1, Boultonwood, ed., Human Press, Totowa, NJ.

Polynucleotides are mapped to particular chromosomes using, for example, radiation hybrids or chromosome-specific hybrid panels. See Leach *et al.*, *Advances in Genetics*, (1995) 33:63-99; Walter *et al.*, *Nature Genetics* (1994) 7:22; Walter and Goodfellow, *Trends in Genetics* (1992) 9:352. Panels for radiation hybrid mapping are available from Research Genetics, Inc., Huntsville, Alabama, USA. Databases for markers using various panels are available via the world wide web at <http://F/shgc-www.stanford.edu>; and <http://www-genome.wi.mit.edu/cgi-bin/contig/rhmapper.pl>. The statistical program RHMAP can be used to construct a map based on the data from radiation hybridization with a measure of the relative likelihood of one order versus another. RHMAP is available via the world wide web at <http://www.sph.umich.edu/group/statgen/software>.

In addition, commercial programs are available for identifying regions of chromosomes commonly associated with disease, such as cancer. Polynucleotides based on the polynucleotides of the invention can be used to probe these regions. For example, if through profile searching a provided polynucleotide is identified as corresponding to a gene encoding a kinase, its ability to bind to a cancer-related chromosomal region will suggest its role as a kinase in one or more stages of tumor cell development/growth. Although some experimentation would be required to elucidate the role, the polynucleotide constitutes a new material for isolating a specific protein that has potential for developing a cancer diagnostic or therapeutic.

Tissue Typing or Profiling. Expression of specific mRNA corresponding to the provided polynucleotides can vary in different cell types and can be tissue-specific. This variation of mRNA levels in different cell types can be exploited with nucleic acid probe assays to determine tissue types. For example, PCR, branched DNA probe assays, or blotting techniques utilizing nucleic acid probes substantially identical or complementary to polynucleotides listed in the Sequence Listing can determine the presence or absence of the corresponding cDNA or mRNA.

For example, a metastatic lesion is identified by its developmental organ or tissue source by identifying the expression of a particular marker of that organ or tissue. If a

polynucleotide is expressed only in a specific tissue type, and a metastatic lesion is found to express that polynucleotide, then the developmental source of the lesion has been identified. Expression of a particular polynucleotide is assayed by detection of either the corresponding mRNA or the protein product. Immunological methods, such as antibody staining, are used to detect a particular protein product. Hybridization methods can be used to detect particular mRNA species, including but not limited to in situ hybridization and Northern blotting.

Use of Polymorphisms. A polynucleotide of the invention will be useful in forensics, genetic analysis, mapping, and diagnostic applications if the corresponding region of a gene is polymorphic in the human population. Particular polymorphic forms of the provided polynucleotides can be used to either identify a sample as deriving from a suspect or rule out the possibility that the sample derives from the suspect. Any means for detecting a polymorphism in a gene are used, including but not limited to electrophoresis of protein polymorphic variants, differential sensitivity to restriction enzyme cleavage, and hybridization to allele-specific probes.

B. Antibody Production

Expression products of a polynucleotide of the invention, the corresponding mRNA or cDNA, or the corresponding complete gene are prepared and used for raising antibodies for experimental, diagnostic, and therapeutic purposes. For polynucleotides to which a corresponding gene has not been assigned, this provides an additional method of identifying the corresponding gene. The polynucleotide or related cDNA is expressed as described above, and antibodies are prepared. These antibodies are specific to an epitope on the polypeptide encoded by the polynucleotide, and can precipitate or bind to the corresponding native protein in a cell or tissue preparation or in a cell-free extract of an in vitro expression system.

Immunogens for raising antibodies are prepared by mixing the polypeptides encoded by the polynucleotides of the present invention with adjuvants. Alternatively, polypeptides are made as fusion proteins to larger immunogenic proteins. Polypeptides are also covalently linked to other larger immunogenic proteins, such as keyhole limpet hemocyanin. Immunogens are typically administered intradermally, subcutaneously, or intramuscularly. Immunogens are administered to experimental animals such as rabbits,

sheep, and mice, to generate antibodies. Optionally, the animal spleen cells are isolated and fused with myeloma cells to form hybridomas which secrete monoclonal antibodies. Such methods are well known in the art. According to another method known in the art, the selected polynucleotide is administered directly, such as by intramuscular injection, and
5 expressed in vivo. The expressed protein generates a variety of protein-specific immune responses, including production of antibodies, comparable to administration of the protein.

Preparations of polyclonal and monoclonal antibodies specific for polypeptides encoded by a selected polynucleotide are made using standard methods known in the art. The antibodies specifically bind to epitopes present in the polypeptides encoded by
10 polynucleotides disclosed in the Sequence Listing. Typically, at least 6, 8, 10, or 12 contiguous amino acids are required to form an epitope. However, epitopes which involve non-contiguous amino acids may require more, for example at least 15, 25, or 50 amino acids. A short sequence of a polynucleotide may then be unsuitable for use as an epitope to raise antibodies for identifying the corresponding novel protein, because of the potential for
15 cross-reactivity with a known protein. However, the antibodies can be useful for other purposes, particularly if they identify common structural features of a known protein and a novel polypeptide encoded by a polynucleotide of the invention.

Antibodies that specifically bind to human polypeptides encoded by the provided polypeptides should provide a detection signal at least 5-, 10-, or 20-fold higher than a
20 detection signal provided with other proteins when used in Western blots or other immunochemical assays. Preferably, antibodies that specifically polypeptides of the invention do not bind to other proteins in immunochemical assays at detectable levels and can immunoprecipitate the specific polypeptide from solution.

To test for the presence of serum antibodies to the polypeptide of the invention in a
25 human population, human antibodies are purified by methods well known in the art. Preferably, the antibodies are affinity purified by passing antiserum over a column to which the corresponding selected polypeptide or fusion protein is bound. The bound antibodies can then be eluted from the column, for example using a buffer with a high salt concentration.

In addition to the antibodies discussed above, genetically engineered antibody derivatives are made, such as single chain antibodies, according to methods well known in the art.

C. Use of Polynucleotides to Construct Arrays for Diagnostics

- 5 Polynucleotide arrays provide a high throughput technique that can assay a large number of polynucleotide sequences in a sample. This technology can be used as a diagnostic and as a tool to test for differential expression to determine function of an encoded protein. Arrays can be created by spotting polynucleotide probes onto a substrate (*e.g.*, glass, nitrocellulose, *etc.*) in a two-dimensional matrix or array having bound probes.
- 10 The probes can be bound to the substrate by either covalent bonds or by non-specific interactions, such as hydrophobic interactions. Samples of polynucleotides can be detectably labeled (*e.g.*, using radioactive or fluorescent labels) and then hybridized to the probes. Double stranded polynucleotides, comprising the labeled sample polynucleotides bound to probe polynucleotides, can be detected once the unbound portion of the sample is
- 15 washed away. Techniques for constructing arrays and methods of using these arrays are described in EP No. 0 799 897; PCT No. WO 97/29212; PCT No. WO 97/27317; EP No. 0 785 280; PCT No. WO 97/02357; U.S. Pat. No. 5,593,839; U.S. Pat. No. 5,578,832; EP No. 0 728 520; U.S. Pat. No. 5,599,695; EP No. 0 721 016; U.S. Pat. No. 5,556,752; PCT No. WO 95/22058; and U.S. Pat. No. 5,631,734.
- 20 As discussed in some detail above, arrays can be used to examine differential expression of genes and can be used to determine gene function. For example, arrays of the instant polynucleotide sequences can be used to determine if any of the provided polynucleotides are differentially expressed between a test cell and control cell (*e.g.*, cancer cells and normal cells). For example, high expression of a particular message in a cancer
- 25 cell, which is not observed in a corresponding normal cell, can indicate a cancer specific protein. Exemplary uses of arrays are further described in, for example, Pappalarado *et al.*, *Sem. Radiation Oncol.* (1998) 8:217; and Ramsay *Nature Biotechnol.* (1998) 16:40.

D. Differential Expression

- 30 The polynucleotides of the invention can also be used to detect differences in expression levels between two cells, *e.g.*, as a method to identify abnormal or diseased tissue in a human. For polynucleotides corresponding to profiles of protein families, the

choice of tissue can be selected according to the putative biological function. In general, the expression of a gene corresponding to a specific polynucleotide is compared between a first tissue that is suspected of being diseased and a second, normal tissue of the human. The tissue suspected of being abnormal or diseased can be derived from a different tissue type of the human, but preferably it is derived from the same tissue type; for example an intestinal polyp or other abnormal growth should be compared with normal intestinal tissue. The normal tissue can be the same tissue as that of the test sample, or any normal tissue of the patient, especially those that express the polynucleotide-related gene of interest (*e.g.*, brain, thymus, testis, heart, prostate, placenta, spleen, small intestine, skeletal muscle, pancreas, and the mucosal lining of the colon). A difference between the polynucleotide-related gene, mRNA, or protein in the two tissues which are compared, for example in molecular weight, amino acid or nucleotide sequence, or relative abundance, indicates a change in the gene, or a gene which regulates it, in the tissue of the human that was suspected of being diseased. Examples of detection of differential expression and its use in diagnosis of cancer are described in U.S. Patent Nos. 5,688,641 and 5,677,125.

The polynucleotide-related genes in the two tissues are compared by any means known in the art. For example, the two genes can be sequenced, and the sequence of the gene in the tissue suspected of being diseased compared with the gene sequence in the normal tissue. The genes corresponding to a provided polynucleotide, or portions thereof, in the two tissues are amplified, for example using nucleotide primers based on the nucleotide sequence shown in the Sequence Listing, using the polymerase chain reaction. The amplified genes or portions of genes are hybridized to detectably labeled nucleotide probes selected from a nucleotide sequence shown in the Sequence Listing. A difference in the nucleotide sequence of the isolated gene in the tissue suspected of being diseased compared with the normal nucleotide sequence suggests a role of the gene product encoded by the subject polynucleotide in the disease, and provides guidance for preparing a therapeutic agent.

Alternatively, mRNA corresponding to a provided polynucleotide in the two tissues is compared. PolyA⁺ RNA is isolated from the two tissues as is known in the art. For example, one of skill in the art can readily determine differences in the size or amount of mRNA transcripts between the two tissues using Northern blots and detectably labeled

nucleotide probes selected from the nucleotide sequence shown in the Sequence Listing. Increased or decreased expression of a given mRNA in a tissue sample suspected of being diseased, compared with the expression of the same mRNA in a normal tissue, suggests that the expressed protein has a role in the disease, and also provides a lead for preparing a therapeutic agent.

The comparison can also be accomplished by analyzing polypeptides between the matched samples. The sizes of the proteins in the two tissues are compared, for example, using antibodies of the present invention to detect polypeptides in Western blots of protein extracts from the two tissues. Other changes, such as expression levels and subcellular localization, can also be detected immunologically, using antibodies to the corresponding protein. A higher or lower level of expression of a given polypeptide in a tissue suspected of being diseased, compared with the same protein expression level in a normal tissue, is indicative that the expressed protein has a role in the disease, and provides guidance for preparing a therapeutic agent.

Similarly, comparison of polynucleotide sequences or of gene expression products, *e.g.*, mRNA and protein, between a human tissue that is suspected of being diseased and a normal tissue of a human, are used to follow disease progression or remission in the human. Such comparisons are made as described above. For example, increased or decreased expression of a gene corresponding to an inventive polynucleotide in the tissue suspected of being neoplastic can indicate the presence of neoplastic cells in the tissue. The degree of increased expression of a given gene in the neoplastic tissue relative to expression of the same gene in normal tissue, or differences in the amount of increased expression of a given gene in the neoplastic tissue over time, is used to assess the progression of the neoplasia in that tissue or to monitor the response of the neoplastic tissue to a therapeutic protocol over time.

The expression pattern of any two cell types can be compared, such as low and high metastatic tumor cell lines, malignant or non-malignant cells, or cells from tissue which have and have not been exposed to a therapeutic agent. A genetic predisposition to disease in a human is detected by comparing expression levels of an mRNA or protein corresponding to a polynucleotide of the invention in a fetal tissue with levels associated in normal fetal tissue. Fetal tissues that are used for this purpose include, but are not limited

to, amniotic fluid, chorionic villi, blood, and the blastomere of an in vitro-fertilized embryo. The comparable normal polynucleotide-related gene is obtained from any tissue. The mRNA or protein is obtained from a normal tissue of a human in which the polynucleotide-related gene is expressed. Differences such as alterations in the nucleotide sequence or size of the same product of the fetal polynucleotide-related gene or mRNA, or alterations in the molecular weight, amino acid sequence, or relative abundance of fetal protein, can indicate a germline mutation in the polynucleotide-related gene of the fetus, which indicates a genetic predisposition to disease. Particular diagnostic and prognostic uses of the disclosed polynucleotides are described in more detail below.

10 E. Diagnostic, Prognostic, and Other Uses Based On Differential Expression

In general, diagnostic methods of the invention for involve detection of a level or amount of a gene product, particularly a differentially expressed gene product, in a test sample obtained from a patient suspected of having or being susceptible to a disease (*e.g.*, breast cancer, lung cancer, colon cancer and/or metastatic forms thereof), and comparing the detected levels to those levels found in normal cells (*e.g.*, cells substantially unaffected by cancer) and/or other control cells (*e.g.*, to differentiate a cancerous cell from a cell affected by dysplasia). Furthermore, the severity of the disease can be assessed by comparing the detected levels of a differentially expressed gene product with those levels detected in samples representing the levels of differentially gene product associated with varying degrees of severity of disease.

The term "differentially expressed gene" is intended to encompass a polynucleotide that can, for example, include an open reading frame encoding a gene product (*e.g.*, a polypeptide), and/or introns of such genes and adjacent 5' and 3' non-coding nucleotide sequences involved in the regulation of expression, up to about 20 kb beyond the coding region, but possibly further in either direction. The gene can be introduced into an appropriate vector for extrachromosomal maintenance or for integration into a host genome. In general, a difference in expression level associated with a decrease in expression level of at least about 25%, usually at least about 50% to 75%, more usually at least about 90% or more is indicative of a differentially expressed gene of interest, *i.e.*, a gene that is underexpressed or down-regulated in the test sample relative to a control sample. Furthermore, a difference in expression level associated with an increase in

expression of at least about 25%, usually at least about 50% to 75%, more usually at least about 90% and can be at least about 1 ½-fold, usually at least about 2-fold to about 10-fold, and can be about 100-fold to about 1,000-fold increase relative to a control sample is indicative of a differentially expressed gene of interest, *i.e.*, an overexpressed or up-regulated gene.

"Differentially expressed polynucleotide" as used herein means a nucleic acid molecule (RNA or DNA) having a sequence that represents a differentially expressed gene, *e.g.*, the differentially expressed polynucleotide comprises a sequence (*e.g.*, an open reading frame encoding a gene product) that uniquely identifies a differentially expressed gene so that detection of the differentially expressed polynucleotide in a sample is correlated with the presence of a differentially expressed gene in a sample. "Differentially expressed polynucleotides" is also meant to encompass fragments of the disclosed polynucleotides, *e.g.*, fragments retaining biological activity, as well as nucleic acids homologous, substantially similar, or substantially identical (*e.g.*, having about 90% sequence identity) to the disclosed polynucleotides.

Methods of the subject invention useful in diagnosis or prognosis typically involve comparison of the abundance of a selected differentially expressed gene product in a sample of interest with that of a control to determine any relative differences in the expression of the gene product, where the difference can be measured qualitatively and/or quantitatively. Quantitation can be accomplished, for example, by comparing the level of expression product detected in the sample with the amounts of product present in a standard curve. A comparison can be made visually; by using a technique such as densitometry, with or without computerized assistance; by preparing a representative library of cDNA clones of mRNA isolated from a test sample, sequencing the clones in the library to determine that number of cDNA clones corresponding to the same gene product, and analyzing the number of clones corresponding to that same gene product relative to the number of clones of the same gene product in a control sample; or by using an array to detect relative levels of hybridization to a selected sequence or set of sequences, and comparing the hybridization pattern to that of a control. The differences in expression are then correlated with the presence or absence of an abnormal expression pattern. A variety of different methods for determining the nucleic acid abundance in a sample are known to

those of skill in the art, where particular methods of interest include those described in: Pietu *et al.* *Genome Res.* (1996) 6:492; Zhao *et al.*, *Gene* (1995) 156:207; Soares, *Curr. Opin. Biotechnol.* (1977) 8: 542; Raval, *J. Pharmacol Toxicol Methods* (1994) 32:125; Chalifour *et al.*, *Anal. Biochem* (1994) 216:299; Stolz *et al.*, *Mol. Biotechnol.* (1996) 6:225; 5 Hong *et al.*, *Biosci. Reports* (1982) 2:907; and McGraw, *Anal. Biochem.* (1984) 143:298. Also of interest are the methods disclosed in WO 97/27317, the disclosure of which is herein incorporated by reference.

In general, diagnostic assays of the invention involve detection of a gene product of a the polynucleotide sequence (*e.g.*, mRNA or polypeptide) that corresponds to a sequence 10 of "SEQ ID NOS:1-5252." The patient from whom the sample is obtained can be apparently healthy, susceptible to disease (*e.g.*, as determined by family history or exposure to certain environmental factors), or can already be identified as having a condition in which altered expression of a gene product of the invention is implicated.

In the assays of the invention, the diagnosis can be determined based on detected 15 gene product expression levels of a gene product encoded by at least one, preferably at least two or more, at least 3 or more, or at least 4 or more of the polynucleotides having a sequence set forth in "SEQ ID NOS:1-5252," and can involve detection of expression of genes corresponding to all of "SEQ ID NOS:1-5252" and/or additional sequences that can serve as additional diagnostic markers and/or reference sequences. Where the diagnostic 20 method is designed to detect the presence or susceptibility of a patient to cancer, the assay preferably involves detection of a gene product encoded by a gene corresponding to a polynucleotide that is differentially expressed in cancer. For example, a higher level of expression of a polynucleotide corresponding to SEQ ID NO:2024 relative to a level associated with a normal sample can indicate the presence of cancer in the patient from 25 whom the sample is derived. In another example, detection of a lower level of a polynucleotide corresponding to SEQ ID NO:590 relative to a normal level is indicative of the presence of cancer in the patient. Further examples of such differentially expressed polynucleotides are described in the Examples below. Given the provided polynucleotides and information regarding their relative expression levels provided herein, assays using 30 such polynucleotides and detection of their expression levels in diagnosis and prognosis will be readily apparent to the ordinarily skilled artisan.

Any of a variety of detectable labels can be used in connection with the various embodiments of the diagnostic methods of the invention. Suitable detectable labels include fluorochromes, (e.g. fluorescein isothiocyanate (FITC), rhodamine, Texas Red, phycoerythrin, allophycocyanin, 6-carboxyfluorescein (6-FAM), 2',7'-dimethoxy-4',5'-dichloro-6-carboxyfluorescein, 6-carboxy-X-rhodamine (ROX), 6-carboxy-2',4',7',4',7-hexachlorofluorescein (HEX), 5-carboxyfluorescein (5-FAM) or N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)), radioactive labels, (e.g. ^{32}P , ^{35}S , ^3H , *etc.*), and the like. The detectable label can involve a two stage systems (e.g., biotin-avidin, hapten-anti-hapten antibody, *etc.*)

Reagents specific for the polynucleotides and polypeptides of the invention, such as antibodies and nucleotide probes, can be supplied in a kit for detecting the presence of an expression product in a biological sample. The kit can also contain buffers or labeling components, as well as instructions for using the reagents to detect and quantify expression products in the biological sample. Exemplary embodiments of the diagnostic methods of the invention are described below in more detail.

Polypeptide detection in diagnosis. In one embodiment, the test sample is assayed for the level of a differentially expressed polypeptide. Diagnosis can be accomplished using any of a number of methods to determine the absence or presence or altered amounts of the differentially expressed polypeptide in the test sample. For example, detection can utilize staining of cells or histological sections with labeled antibodies, performed in accordance with conventional methods. Cells can be permeabilized to stain cytoplasmic molecules. In general, antibodies that specifically bind a differentially expressed polypeptide of the invention are added to a sample, and incubated for a period of time sufficient to allow binding to the epitope, usually at least about 10 minutes. The antibody can be detectably labeled for direct detection (e.g., using radioisotopes, enzymes, fluorescers, chemilumescers, and the like), or can be used in conjunction with a second stage antibody or reagent to detect binding (e.g., biotin with horseradish peroxidase-conjugated avidin, a secondary antibody conjugated to a fluorescent compound, e.g. fluorescein, rhodamine, Texas red, *etc.*). The absence or presence of antibody binding can be determined by various methods, including flow cytometry of dissociated cells, microscopy, radiography, scintillation counting, *etc.* Any suitable alternative methods can

of qualitative or quantitative detection of levels or amounts of differentially expressed polypeptide can be used, for example ELISA, western blot, immunoprecipitation, radioimmunoassay, etc.

In general, the detected level of differentially expressed polypeptide in the test sample is compared to a level of the differentially expressed gene product in a reference or control sample, *e.g.*, in a normal cell (negative control) or in a cell having a known disease state (positive control).

mRNA detection. The diagnostic methods of the invention can also or alternatively involve detection of mRNA encoded by a gene corresponding to a differentially expressed polynucleotides of the invention. Any suitable qualitative or quantitative methods known in the art for detecting specific mRNAs can be used. mRNA can be detected by, for example, *in situ* hybridization in tissue sections, by reverse transcriptase-PCR, or in Northern blots containing poly A+ mRNA. One of skill in the art can readily use these methods to determine differences in the size or amount of mRNA transcripts between two samples. For example, the level of mRNA of the invention in a tissue sample suspected of being cancerous or dysplastic is compared with the expression of the mRNA in a reference sample, *e.g.*, a positive or negative control sample (*e.g.*, normal tissue, cancerous tissue, *etc.*).

Any suitable method for detecting and comparing mRNA expression levels in a sample can be used in connection with the diagnostic methods of the invention (see, *e.g.*, U.S. 5,804,382). For example, mRNA expression levels in a sample can be determined by generation of a library of expressed sequence tags (ESTs) from the sample, where the EST library is representative of sequences present in the sample (Adams, et al., (1991) *Science* 252:1651). Enumeration of the relative representation of ESTs within the library can be used to approximate the relative representation of the gene transcript within the starting sample. The results of EST analysis of a test sample can then be compared to EST analysis of a reference sample to determine the relative expression levels of a selected polynucleotide, particularly a polynucleotide corresponding to one or more of the differentially expressed genes described herein.

Alternatively, gene expression in a test sample can be performed using serial analysis of gene expression (SAGE) methodology (Velculescu et al., *Science* (1995)

270:484). In short, SAGE involves the isolation of short unique sequence tags from a specific location within each transcript. The sequence tags are concatenated, cloned, and sequenced. The frequency of particular transcripts within the starting sample is reflected by the number of times the associated sequence tag is encountered with the sequence
5 population.

Gene expression in a test sample can also be analyzed using differential display (DD) methodology. In DD, fragments defined by specific sequence delimiters (*e.g.*, restriction enzyme sites) are used as unique identifiers of genes, coupled with information about fragment length or fragment location within the expressed gene. The relative
10 representation of an expressed gene with a sample can then be estimated based on the relative representation of the fragment associated with that gene within the pool of all possible fragments. Methods and compositions for carrying out DD are well known in the art, see, *e.g.*, U.S. 5,776,683; and U.S. 5,807,680.

Alternatively, gene expression in a sample using hybridization analysis, which is
15 based on the specificity of nucleotide interactions. Oligonucleotides or cDNA can be used to selectively identify or capture DNA or RNA of specific sequence composition, and the amount of RNA or cDNA hybridized to a known capture sequence determined qualitatively or quantitatively, to provide information about the relative representation of a particular message within the pool of cellular messages in a sample. Hybridization analysis can be
20 designed to allow for concurrent screening of the relative expression of hundreds to thousands of genes by using, for example, array-based technologies having high density formats, including filters, microscope slides, or microchips, or solution-based technologies that use spectroscopic analysis (*e.g.*, mass spectrometry). One exemplary use of arrays in the diagnostic methods of the invention is described below in more detail.

Use of a single gene in diagnostic applications. The diagnostic methods of the invention can focus on the expression of a single differentially expressed gene. For example, the diagnostic method can involve detecting a differentially expressed gene, or a polymorphism of such a gene (*e.g.*, a polymorphism in an coding region or control region), that is associated with disease. Disease-associated polymorphisms can include deletion or truncation of the gene, mutations that alter expression level and/or affect activity of the encoded protein, *etc.*

Changes in the promoter or enhancer sequence that affect expression levels of an differentially gene can be compared to expression levels of the normal allele by various methods known in the art. Methods for determining promoter or enhancer strength include quantitation of the expressed natural protein; insertion of the variant control element into a vector with a reporter gene such as β -galactosidase, luciferase, chloramphenicol acetyltransferase, *etc.* that provides for convenient quantitation; and the like.

A number of methods are available for analyzing nucleic acids for the presence of a specific sequence, *e.g.* a disease associated polymorphism. Where large amounts of DNA are available, genomic DNA is used directly. Alternatively, the region of interest is cloned into a suitable vector and grown in sufficient quantity for analysis. Cells that express a differentially expressed gene can be used as a source of mRNA, which can be assayed directly or reverse transcribed into cDNA for analysis. The nucleic acid can be amplified by conventional techniques, such as the polymerase chain reaction (PCR), to provide sufficient amounts for analysis, and a detectable label can be included in the amplification reaction (*e.g.*, using a detectably labeled primer or detectably labeled oligonucleotides) to facilitate detection. The use of the polymerase chain reaction is described in Saiki, *et al.*, *Science* (1985) 239:487, and a review of techniques can be found in Sambrook, *et al.*, *Molecular Cloning: A Laboratory Manual*, (1989) pp. 14.2. Alternatively, various methods are known in the art that utilize oligonucleotide ligation as a means of detecting polymorphisms, for examples see Riley *et al.*, *Nucl. Acids Res.* (1990) 18:2887; and Delahunty *et al.*, *Am. J. Hum. Genet.* (1996) 58:1239.

The sample nucleic acid, *e.g.* amplified or cloned fragment, is analyzed by one of a number of methods known in the art. The nucleic acid can be sequenced by dideoxy or other methods, and the sequence of bases compared to a selected sequence, *e.g.*, to a wild-

type sequence. Hybridization with the polymorphic or variant sequence can also be used to determine its presence in a sample (*e.g.*, by Southern blot, dot blot, *etc.*). The hybridization pattern of a polymorphic or variant sequence and a control sequence to an array of oligonucleotide probes immobilized on a solid support, as described in US 5,445,934, or in
5 WO 95/35505, can also be used as a means of identifying polymorphic or variant sequences associated with disease. Single strand conformational polymorphism (SSCP) analysis, denaturing gradient gel electrophoresis (DGGE), and heteroduplex analysis in gel matrices are used to detect conformational changes created by DNA sequence variation as alterations in electrophoretic mobility. Alternatively, where a polymorphism creates or
10 destroys a recognition site for a restriction endonuclease, the sample is digested with that endonuclease, and the products size fractionated to determine whether the fragment was digested. Fractionation is performed by gel or capillary electrophoresis, particularly acrylamide or agarose gels.

Screening for mutations in an differentially expressed gene can be based on the
15 functional or antigenic characteristics of the protein. Protein truncation assays are useful in detecting deletions that can affect the biological activity of the protein. Various immunoassays designed to detect polymorphisms in proteins can be used in screening. Where many diverse genetic mutations lead to a particular disease phenotype, functional protein assays have proven to be effective screening tools. The activity of the encoded
20 protein can be determined by comparison with the wild-type protein.

Pattern matching in diagnosis using arrays. In another embodiment, the diagnostic and/or prognostic methods of the invention involve detection of expression of a selected set of genes in a test sample to produce a test expression pattern (TEP). The TEP is compared to a reference expression pattern (REP), which is generated by detection of expression of
25 the selected set of genes in a reference sample (*e.g.*, a positive or negative control sample). The selected set of genes includes at least one of the genes of the invention, which genes correspond to the polynucleotide sequences of "SEQ ID NOS:1-5252." Of particular interest is a selected set of genes that includes gene differentially expressed in the disease for which the test sample is to be screened.

30 "Reference sequences" or "reference polynucleotides" as used herein in the context of differential gene expression analysis and diagnosis/prognosis refers to a selected set of

polynucleotides, which selected set includes at least one or more of the differentially expressed polynucleotides described herein. A plurality of reference sequences, preferably comprising positive and negative control sequences, can be included as reference sequences. Additional suitable reference sequences are found in Genbank, Unigene, and
5 other nucleotide sequence databases (including, *e.g.*, expressed sequence tag (EST), partial, and full-length sequences).

"Reference array" means an array having reference sequences for use in hybridization with a sample, where the reference sequences include all, at least one of, or any subset of the differentially expressed polynucleotides described herein. Usually such
10 an array will include at least 3 different reference sequences, and can include any one or all of the provided differentially expressed sequences. Arrays of interest can further comprise sequences, including polymorphisms, of other genetic sequences, particularly other sequences of interest for screening for a disease or disorder (*e.g.*, cancer, dysplasia, or other related or unrelated diseases, disorders, or conditions). The oligonucleotide sequence on
15 the array will usually be at least about 12 nt in length, and can be of about the length of the provided sequences, or can extend into the flanking regions to generate fragments of 100 nt to 200 nt in length or more.

A "reference expression pattern" or "REP" as used herein refers to the relative levels of expression of a selected set of genes, particularly of differentially expressed genes,
20 that is associated with a selected cell type, *e.g.*, a normal cell, a cancerous cell, a cell exposed to an environmental stimulus, and the like. A "test expression pattern" or "TEP" refers to relative levels of expression of a selected set of genes, particularly of differentially expressed genes, in a test sample (*e.g.*, a cell of unknown or suspected disease state, from which mRNA is isolated).

"Diagnosis" as used herein generally includes determination of a subject's
25 susceptibility to a disease or disorder, determination as to whether a subject is presently affected by a disease or disorder, as well as to the prognosis of a subject affected by a disease or disorder (*e.g.*, identification of pre-metastatic or metastatic cancerous states, stages of cancer, or responsiveness of cancer to therapy). The present invention
30 particularly encompasses diagnosis of subjects in the context of breast cancer (*e.g.*, carcinoma in situ (*e.g.*, ductal carcinoma in situ), estrogen receptor (ER)-positive breast

cancer, ER-negative breast cancer, or other forms and/or stages of breast cancer), lung cancer (*e.g.*, small cell carcinoma, non-small cell carcinoma, mesothelioma, and other forms and/or stages of lung cancer), and colon cancer (*e.g.*, adenomatous polyp, colorectal carcinoma, and other forms and/or stages of colon cancer).

5 "Sample" or "biological sample" as used throughout here are generally meant to refer to samples of biological fluids or tissues, particularly samples obtained from tissues, especially from cells of the type associated with the disease for which the diagnostic application is designed (*e.g.*, ductal adenocarcinoma), and the like. "Samples" is also meant to encompass derivatives and fractions of such samples (*e.g.*, cell lysates). Where
10 the sample is solid tissue, the cells of the tissue can be dissociated or tissue sections can be analyzed.

 REPs can be generated in a variety of ways according to methods well known in the art. For example, REPs can be generated by hybridizing a control sample to an array having a selected set of polynucleotides (particularly a selected set of differentially
15 expressed polynucleotides), acquiring the hybridization data from the array, and storing the data in a format that allows for ready comparison of the REP with a TEP. Alternatively, all expressed sequences in a control sample can be isolated and sequenced, *e.g.*, by isolating mRNA from a control sample, converting the mRNA into cDNA, and sequencing the cDNA. The resulting sequence information roughly or precisely reflects the identity and
20 relative number of expressed sequences in the sample. The sequence information can then be stored in a format (*e.g.*, a computer-readable format) that allows for ready comparison of the REP with a TEP. The REP can be normalized prior to or after data storage, and/or can be processed to selectively remove sequences of expressed genes that are of less interest or that might complicate analysis (*e.g.*, some or all of the sequences associated with
25 housekeeping genes can be eliminated from REP data).

 TEPs can be generated in a manner similar to REPs, *e.g.*, by hybridizing a test sample to an array having a selected set of polynucleotides, particularly a selected set of differentially expressed polynucleotides, acquiring the hybridization data from the array, and storing the data in a format that allows for ready comparison of the TEP with a REP.
30 The REP and TEP to be used in a comparison can be generated simultaneously, or the TEP can be compared to previously generated and stored REPs.

In one embodiment of the invention, comparison of a TEP with a REP involves hybridizing a test sample with a reference array, where the reference array has one or more reference sequences for use in hybridization with a sample. The reference sequences include all, at least one of, or any subset of the differentially expressed polynucleotides described herein. Hybridization data for the test sample is acquired, the data normalized, and the produced TEP compared with a REP generated using an array having the same or similar selected set of differentially expressed polynucleotides. Probes that correspond to sequences differentially expressed between the two samples will show decreased or increased hybridization efficiency for one of the samples relative to the other.

Reference arrays can be produced according to any suitable methods known in the art. For example, methods of producing large arrays of oligonucleotides are described in U.S. 5,134,854, and U.S. 5,445,934 using light-directed synthesis techniques. Using a computer controlled system, a heterogeneous array of monomers is converted, through simultaneous coupling at a number of reaction sites, into a heterogeneous array of polymers. Alternatively, microarrays are generated by deposition of pre-synthesized oligonucleotides onto a solid substrate, for example as described in PCT published application no. WO 95/35505.

Methods for collection of data from hybridization of samples with a reference arrays are also well known in the art. For example, the polynucleotides of the reference and test samples can be generated using a detectable fluorescent label, and hybridization of the polynucleotides in the samples detected by scanning the microarrays for the presence of the detectable label. Methods and devices for detecting fluorescently marked targets on devices are known in the art. Generally, such detection devices include a microscope and light source for directing light at a substrate. A photon counter detects fluorescence from the substrate, while an x-y translation stage varies the location of the substrate. A confocal detection device that can be used in the subject methods is described in U.S. Patent no. 5,631,734. A scanning laser microscope is described in Shalon et al., *Genome Res.* (1996) 6:639. A scan, using the appropriate excitation line, is performed for each fluorophore used. The digital images generated from the scan are then combined for subsequent analysis. For any particular array element, the ratio of the fluorescent signal from one

sample (e.g., a test sample) is compared to the fluorescent signal from another sample (e.g., a reference sample), and the relative signal intensity determined.

Methods for analyzing the data collected from hybridization to arrays are well known in the art. For example, where detection of hybridization involves a fluorescent label, data analysis can include the steps of determining fluorescent intensity as a function of substrate position from the data collected, removing outliers, *i.e.* data deviating from a predetermined statistical distribution, and calculating the relative binding affinity of the targets from the remaining data. The resulting data can be displayed as an image with the intensity in each region varying according to the binding affinity between targets and probes.

In general, the test sample is classified as having a gene expression profile corresponding to that associated with a disease or non-disease state by comparing the TEP generated from the test sample to one or more REPs generated from reference samples (e.g., from samples associated with cancer or specific stages of cancer, dysplasia, samples affected by a disease other than cancer, normal samples, *etc.*). The criteria for a match or a substantial match between a TEP and a REP include expression of the same or substantially the same set of reference genes, as well as expression of these reference genes at substantially the same levels (e.g., no significant difference between the samples for a signal associated with a selected reference sequence after normalization of the samples, or at least no greater than about 25% to about 40% difference in signal strength for a given reference sequence). In general, a pattern match between a TEP and a REP includes a match in expression, preferably a match in qualitative or quantitative expression level, of at least one of, all or any subset of the differentially expressed genes of the invention.

Pattern matching can be performed manually, or can be performed using a computer program. Methods for preparation of substrate matrices (e.g., arrays), design of oligonucleotides for use with such matrices, labeling of probes, hybridization conditions, scanning of hybridized matrices, and analysis of patterns generated, including comparison analysis, are described in, for example, U.S. 5,800,992.

F. Use of the Polynucleotides of the Invention in Cancer

Oncogenesis involves the unbridled growth, dedifferentiation and abnormal migration of cells. Cancerous cells can have the ability to compress, invade, and destroy

normal tissue. Cancerous cells may also metastasize to other parts of the body via the bloodstream or the lymph system and colonize in these other areas. Different cancers are classified by the cell from which the cancerous cell is derived and from its cellular morphology and/or state of differentiation.

5 Somatic genetic abnormalities cause cancer initiation and progression. Cancer generally is clonally formed, *i.e.* gain of function of oncogenes and loss of function of tumor suppressor genes within a single cell transform the cell to be cancerous, and that single cell grows and divides to form a cancerous lesion. The genes known to be involved in cancer initiation and progression are involved in numerous cellular functions, including
10 developmental differentiation, cell cycle regulation, cell signaling, immunological response, DNA replication, and DNA repair.

 The identification and characterization of genetic or biochemical markers in blood or tissues that will detect the earliest changes along the carcinogenesis pathway and monitor the efficacy of various therapies and preventive interventions is a major goal of
15 cancer research. Scientists have identified genetic changes in stool specimens that indicate the stages of colon cancer, and other biomarkers such as gene mutations, hormone receptors, proteins that inhibit metastasis, and enzymes that metabolize drugs are all being used to determine the severity and predict the course of breast, prostate, lung, and other cancers.

20 Recent advances in the pathogenesis of certain cancers has been helpful in determining patient treatment. The level of expression of certain polynucleotides can be indicative of a poorer prognosis, and therefore warrant more aggressive chemo- or radio-therapy for a patient. The correlation of novel surrogate tumor specific features with response to treatment and outcome in patients has defined certain prognostic indicators
25 that allow the design of tailored therapy based on the molecular profile of the tumor. These therapies include antibody targeting and gene therapy. Moreover, a promising level of one or more marker polynucleotides can provide impetus for not aggressively treating a particular patient, thus sparing the patient the deleterious side effects of aggressive therapy. Determining expression of certain polynucleotides and comparison of
30 a patients profile with known expression in normal tissue and variants of the disease allows

a determination of the best possible treatment for a patient, both in terms of specificity of treatment and in terms of comfort level of the patient.

Surrogate tumor markers, such as polynucleotide expression, can also be used to better classify, and thus diagnose and treat, different forms and disease states of cancer.

- 5 Two classifications widely used in oncology that can benefit from identification of the expression levels of the polynucleotides of the invention are staging of the cancerous disorder, and grading the nature of the cancerous tissue.

Staging. Staging is a process used by physicians to describe how advanced the cancerous state is in a patient. Staging assists the physician in determining a prognosis, planning treatment and evaluating the results of such treatment. Different staging systems are used for different types of cancer, but each generally involves the following determinations: the type of tumor, indicated by T; whether the cancer has metastasized to nearby lymph nodes, indicated by N; and whether the cancer has metastasized to more distant parts of the body, indicated by M. This system of staging is called the TNM system. Generally, if a cancer is only detectable in the area of the primary lesion without having spread to any lymph nodes it is called Stage I. If it has spread only to the closest lymph nodes, it is called Stage II. In Stage III, the cancer has generally spread to the lymph nodes in near proximity to the site of the primary lesion. Cancers that have spread to a distant part of the body, such as the liver, bone, brain or another site, are called Stage IV, the most advanced stage.

Currently, the determination of staging is done using pathological techniques and is based more on the presence or absence of malignant tissue rather than the characteristics of the tumor type. Presence or absence of malignant tissue is based primarily on the gross morphology of the cells in the areas biopsied. The polynucleotides of the invention can facilitate fine-tuning of the staging process by identifying markers for the aggressivity of a cancer, *e.g.* the metastatic potential, as well as the presence in different areas of the body. Thus, a Stage II cancer with a polynucleotide signifying a high metastatic potential cancer can be used to change a borderline Stage II tumor to a Stage III tumor, justifying more aggressive therapy. Conversely, the presence of a polynucleotide signifying a lower metastatic potential allows more conservative staging of a tumor.

Grading of cancers. Grade is a term used to describe how closely a tumor resembles normal tissue of its same type. Based on the microscopic appearance of a tumor, pathologists will identify the grade of a tumor based on parameters such as cell morphology, cellular organization, and other markers of differentiation. As a general rule, the grade of a tumor corresponds to its rate of growth or aggressiveness. That is, undifferentiated or high-grade tumors grow more quickly than well differentiated or low-grade tumors. Information about tumor grade is useful in planning treatment and predicting prognosis.

The American Joint Commission on Cancer has recommended the following guidelines for grading tumors: 1) GX Grade cannot be assessed; 2) G1 Well differentiated; G2 Moderately well differentiated; 3) G3 Poorly differentiated; 4) G4 Undifferentiated. Although grading is used by pathologists to describe most cancers, it plays a more important role in treatment planning for certain types than for others. An example is the Gleason system that is specific for prostate cancer, which uses grade numbers to describe the degree of differentiation. Lower Gleason scores indicate well-differentiated cells. Intermediate scores denote tumors with moderately differentiated cells. Higher scores describe poorly differentiated cells. Grade is also important in some types of brain tumors and soft tissue sarcomas.

The polynucleotides of the invention can be especially valuable in determining the grade of the tumor, as they not only can aid in determining the differentiation status of the cells of a tumor, they can also identify factors other than differentiation that are valuable in determining the aggressivity of a tumor, such as metastatic potential.

Familial Cancer Genes. A number of cancer syndromes are linked to Mendelian inheritance of a predisposition to develop particular cancers. The following table contains a list of cancer types that can be inherited, and for which the gene or genes responsible have been identified. Most of the cancer types listed can occur as part of several different genetic conditions, each caused by alterations in a different gene.

Cancer Type	Genetic Condition	Gene
Brain	Li-Fraumeni syndrome	TP53
Brain	Neurofibromatosis 1	NF1
	Neurofibromatosis 2	NF2
	von Hippel-Lindau syndrome	VHL

Cancer Type	Genetic Condition	Gene
Breast	Tuberous sclerosis 2	TSC2
	Hereditary breast/ovarian cancer 1	BRCA1
	Hereditary breast/ovarian cancer 2	BRCA2
	Li-Fraumeni syndrome	TP53
Colon	Ataxia telangiectasia	ATM
	Familial adenomatous polyposis (FAP)	APC
	Hereditary non-polyposis colon cancer (HNPCC) 1	HMSH2
	Hereditary non-polyposis colon cancer (HNPCC) 2	hMLH1
	Hereditary non-polyposis colon cancer (HNPCC) 3	hPMS1
Endocrine (parathyroid, pituitary, GI endocrine)	Hereditary non-polyposis colon cancer (HNPCC) 4	hPMS2
	Multiple endocrine neoplasia 1 (MEN1)	MEN1
Endocrine (pheochromocytoma, medullary thyroid)	Multiple endocrine neoplasia 2 (MEN2)	RET
Endometrial	Hereditary non-polyposis colon cancer (HNPCC) 1	hMSH2
	Hereditary non-polyposis colon cancer (HNPCC) 2	hMLH1
	Hereditary non-polyposis colon cancer (HNPCC) 3	hPMS1
	Hereditary non-polyposis colon cancer (HNPCC) 4	hPMS2
Eye	Hereditary retinoblastoma	RB1
Hematologic (lymphomas and leukemia)	Li-Fraumeni syndrome	TP53
	Ataxia telangiectasia	ATM
Kidney	Hereditary Wilms' tumor	WT1
	von Hippel-Lindau syndrome	VHL
	Tuberous sclerosis 2	TSC2
Ovary	Hereditary breast/ovarian cancer 1	BRCA1
	Hereditary breast/ovarian cancer 2	BRCA2
Sarcoma	Hereditary retinoblastoma	RB1
	Li-Fraumeni syndrome	TP53
	Neurofibromatosis 1	NF1
Skin	Hereditary melanoma 1	CDKN2
	Hereditary melanoma 2	CDK4
	Basal cell naevus (Gorlin) syndrome	PTCH
Stomach	Hereditary non-polyposis colon cancer (HNPCC) 1	hMSH2
	Hereditary non-polyposis colon cancer (HNPCC) 2	hMLH1
	Hereditary non-polyposis colon cancer (HNPCC) 3	hPMS1
	Hereditary non-polyposis colon cancer (HNPCC) 4	hPMS2

The polynucleotides of the invention can be especially useful to monitor patients having any of the above syndromes to detect potentially malignant events at a molecular level before they are detectable at a gross morphological level. As can be seen from the table, a number of genes are involved in multiple forms of cancer. Thus, a polynucleotide of the invention identified as important for metastatic colon cancer can also have clinical implications for a patient diagnosed with stomach cancer or endometrial cancer.

Lung Cancer. Lung cancer is one of the most common cancers in the United States, accounting for about 15 percent of all cancer cases, or 170,000 new cases each year. At this time, over half of the lung cancer cases in the United States are in men, but the number found in women is increasing and will soon equal that in men. Today more women die of lung cancer than of breast cancer. Lung cancer is especially difficult to diagnose and treat because of the large size of the lungs, which allows cancer to develop for years undetected. In fact, lung cancer can spread outside the lungs without causing any symptoms. Adding to the confusion, the most common symptom of lung cancer, a persistent cough, can often be mistaken for a cold or bronchitis.

Although there are more than a dozen different kinds of lung cancer, the two main types of lung cancer are small cell and nonsmall cell, which encompass about 90% of all lung cancer cases. Small cell carcinoma (also called oat cell carcinoma), which usually starts in one of the larger bronchial tubes, grows fairly rapidly, and is likely to be large by the time of diagnosis. Nonsmall cell lung cancer (NSCLC) is made up of three general subtypes of lung cancer. Epidermoid carcinoma (also called squamous cell carcinoma) usually starts in one of the larger bronchial tubes and grows relatively slowly. The size of these tumors can range from very small to quite large. Adenocarcinoma starts growing near the outside surface of the lung and can vary in both size and growth rate. Some slowly growing adenocarcinomas are described as alveolar cell cancer. Large cell carcinoma starts near the surface of the lung, grows rapidly, and the growth is usually fairly large when diagnosed. Other less common forms of lung cancer are carcinoid, cylindroma, mucoepidermoid, and malignant mesothelioma.

Currently, CT scans, MRIs, X-rays, sputum cytology, and biopsies are used to diagnose nonsmall cell lung cancer. The form and cellular origin of the lung cancer is diagnosed primarily through biopsy from either a surgical biopsy or a needle aspiration of lung tissue, and usually the biopsy is prompted from an abnormality identified on an X-ray. In some cases, sputum cytology can reveal lung cancers in patients with normal X-rays or can determine the type of lung cancer, but because it cannot pinpoint the tumor's location, a positive sputum cytology test is usually followed by further tests. Since these tests are based in large part on gross morphology of the tissue, the diagnosis of a particular kind of tumor is largely subjective, and the diagnosis can vary significantly between clinicians.

The polynucleotides of the invention can be used to distinguish types of lung cancer as well as identifying traits specific to a certain patient's cancer. For example, if the patient's biopsy expresses a polynucleotide that is associated with a low metastatic potential, it may justify leaving a larger portion of the patient's lung in surgery to remove the lesion. Alternatively, a smaller lesion with expression of a polynucleotide that is associated with high metastatic potential may justify a more radical removal of lung tissue and/or the surrounding lymph nodes, even if no metastasis can be identified through pathological examination.

Similarly, the expression of polynucleotides of the invention can be used in the diagnosis, prognosis and management of colorectal cancer. The differential expression of a polynucleotide in hyperplasia can be used as a diagnostic marker for metastatic lung cancer. The polynucleotides of the invention that would be especially useful for this purpose are those that exhibit differential expression between high metastatic versus low metastatic lung cancer, *i.e.* SEQ ID NOS: 174, 254, 466, 571, 574, 590, 922, 1355, 1422, 2007, 2038, 2245, 10, 54, 65, 171, 203, 252, 253, 285, 419, 420, 491, 525, 526, 552, 693, 700, 726, 742, 746, 861, 990, 1088, 1288, 1417, 1444, 1454, 1570, 1597, 1979, 2024, 2034, and 2126. Detection of malignant lung cancer with a higher metastatic potential can be determined using expression levels of any of these sequences alone or in combination with the levels of expression of other known genes.

Breast Cancer. The National Cancer Institute (NCI) estimates that about 1 in 8 women in the United States will develop breast cancer during her lifetime. Clinical breast examination and mammography are recommended as combined modalities for breast cancer screening, and the nature of the cancer will often depend upon the location of the tumor and the cell type from which the tumor is derived. The majority of breast cancers are adenocarcinomas subtypes, which can be summarized as follows:

Ductal carcinoma in situ (DCIS): Ductal carcinoma in situ is the most common type of noninvasive breast cancer. In DCIS, the malignant cells have not metastasized through the walls of the ducts into the fatty tissue of the breast. Comedocarcinoma is a type of DCIS that is more likely than other types of DCIS to come back in the same area after lumpectomy. It is more closely linked to eventual development of invasive ductal carcinoma than other forms of DCIS.

Infiltrating (or invasive) ductal carcinoma (IDC): this type of cancer has metastasized through the wall of the duct and invaded the fatty tissue of the breast. At this point, it has the potential to use the lymphatic system and bloodstream for metastasis to more distant parts of the body. Infiltrating ductal carcinoma accounts for about 80% of breast cancers.

Lobular carcinoma in situ (LCIS): While not a true cancer, LCIS (also called lobular neoplasia) is sometimes classified as a type of noninvasive breast cancer. It does not penetrate through the wall of the lobules. Although it does not itself usually become an invasive cancer, women with this condition have a higher risk of developing an invasive breast cancer in the same breast, or in the opposite breast.

Infiltrating (or invasive) lobular carcinoma (ILC): ILC is similar to IDC, in that it has the potential metastasize elsewhere in the body. About 10% to 15% of invasive breast cancers are invasive lobular carcinomas. ILC can be more difficult to detect by mammogram than IDC.

Inflammatory breast cancer: This rare type of invasive breast cancer accounts for about 1% of all breast cancers and is extremely aggressive. Multiple skin symptoms associated with this cancer are caused by cancer cells blocking lymph vessels or channels in the skin over the breast.

Medullary carcinoma: This special type of infiltrating breast cancer has a relatively well defined, distinct boundary between tumor tissue and normal tissue. It accounts for about 5% of breast cancers. The prognosis for this kind of breast cancer is better than for other types of invasive breast cancer.

Mucinous carcinoma: This rare type of invasive breast cancer originates from mucus-producing cells. The prognosis for mucinous carcinoma is better than for the more common types of invasive breast cancer.

Paget's disease of the nipple: This type of breast cancer starts in the ducts and spreads to the skin of the nipple and the areola. It is a rare type of breast cancer, occurring in only 1% of all cases. Paget's disease can be associated with in situ carcinoma, or with infiltrating breast carcinoma. If no lump can be felt in the breast tissue, and the biopsy shows DCIS but no invasive cancer, the prognosis is excellent.

Phyllodes tumor: This very rare type of breast tumor forms from the stroma of the breast, in contrast to carcinomas which develop in the ducts or lobules. Phyllodes (also spelled phylloides) tumors are usually benign, but are malignant on rare occasions. Nevertheless, malignant phyllodes tumors are very rare and less than 10 women per year in the US die of this disease. Benign phyllodes tumors are successfully treated by removing the mass and a narrow margin of normal breast tissue.

Tubular carcinoma: Accounting for about 2% of all breast cancers, tubular carcinomas are a special type of infiltrating breast carcinoma. They have a better prognosis than usual infiltrating ductal or lobular carcinomas.

High-quality mammography combined with clinical breast exam remains the only screening method clearly tied to reduction in breast cancer mortality. Lower dose x-rays, digitized computer rather than film images, and the use of computer programs to assist diagnosis, are almost ready for widespread dissemination. Other technologies also are being developed, including magnetic resonance imaging and ultrasound. In addition, a very low radiation exposure technique, positron emission tomography has the potential for detecting early breast cancer.

It is also possible to differentiate between non-cancerous breast tissue and malignant breast tissue by analyzing differential gene expression between tissues. In addition, there may be several possible alterations that lead to the various possible types of breast cancer. The different types of breast tumors (e.g., invasive vs. non-invasive, ductal vs. axillary lymph node) can be differentiable from one another by the identification of the differences in genes expressed by different types of breast tumor tissues (Porter-Jordan *et al.*, *Hematol Oncol Clin North Am* (1994) 8:73). Breast cancer can thus be generally diagnosed by detection of expression of a gene or genes associated with breast tumors.

Where enough information is available about the differential gene expression between various types of breast tumor tissues, the specific type of breast tumor can also be diagnosed.

For example, increased estrogen receptor (ER) expression in normal breast epithelium, while not itself indicative of malignant tissue, is a known risk marker for development of breast cancer. Khan SA *et al.*, *Cancer Res* (1994) 54:993. Malignant breast cancer is often divided into two groups, ER-positive and ER-negative, based on the

estrogen receptor status of the tissue. The ER status represents different survival length and response to hormone therapy, and is thought to represent either: 1) an indicator of different stages of the disease, or 2) an indicator that allows differentiation between two similar but distinct diseases. K. Zhu *et al.*, *Med. Hypoth.* (1997) 49:69. A number of other
5 genes are known to vary expression between either different stages of cancer or different types of similar breast cancer.

Similarly, the expression of polynucleotides of the invention can be used in the diagnosis and management of breast cancer. The differential expression of a polynucleotide in human breast tumor tissue can be used as a diagnostic marker for human
10 breast cancer. The polynucleotides of the invention that would be especially useful for this purpose are those that exhibit differential expression between breast cancer tissue with a high metastatic potential and a low metastatic potential, *i.e.* SEQ ID NOS:15, 36, 44, 89, 172, 203, 261, 419, 420, 503, 552, 564, 570, 590, 693, 707, 711, 726, 746, 756, 990, 1122, 1142, 1286, 1289, 1435, 1860, 1933, 1934, 1979, 1980, 2007, 2023, 2409, 2486, 45, 146,
15 154, 159, 165, 174, 183, 364, 366, 387, 496, 510, 512, 529, 560, 606, 644, 646, 754, 875, 902, 921, 942, 1095, 1104, 1131, 1170, 1184, 1205, 1354, 1387, 1535, 1751, 1764, 1777, 1795, 1869, 1882, 1890, 1915, 2040, 2059, 2223, 2245, 2300, 2325, 2462, 2488, 2492;

Detection of breast cancer can be determined using expression levels of any of these sequences alone or in combination. Determination of the aggressive nature and/or the
20 metastatic potential of a breast cancer can also be determined by comparing levels of one or more polynucleotides of the invention and comparing levels of another sequence known to vary in cancerous tissue, *e.g.* ER expression. In addition, development of breast cancer can be detected by examining the ratio of SEQ ID NO: to the levels of steroid hormones (*e.g.*, testosterone or estrogen) or to other hormones (*e.g.*, growth hormone, insulin). Thus
25 expression of specific marker polynucleotides can be used to discriminate between normal and cancerous breast tissue, to discriminate between breast cancers with different cells of origin, to discriminate between breast cancers with different potential metastatic rates, etc.

Diagnosis of breast cancer can also involve comparing the expression of a polynucleotide of the invention with the expression of other sequences in non-malignant
30 breast tissue samples in comparison to one or more forms of the diseased tissue. A comparison of expression of one or more polynucleotides of the invention between the

samples provides information on relative levels of these polynucleotides as well as the ratio of these polynucleotides to the expression of other sequences in the tissue of interest compared to normal.

This risk of breast cancer is elevated significantly by the presence of an inherited
5 risk for breast cancer, such as a mutation in BRCA-1 or BRCA-2. New diagnostic tools are being developed to address the needs of higher risk patients to complement mammography and physical examinations for early detection of breast cancer, particularly among younger women. The presence of antigen or expression markers in nipple aspirate fluid (NAF) samples collected from one or both breasts can be useful for useful for risk assessment or
10 early cancer detection. Breast cytology and biomarkers obtained by random fine needle aspiration have been used to identify hyperplasia with atypia and overexpression of p53 and EGFR. The polynucleotides of the invention can be used in multivariate analysis with expression studies with genes such as p53 and EGFR as risk predictors and as surrogate endpoint biomarkers for breast cancer.

As well as being used for diagnosis and risk assessment, the expression of certain
15 genes can also correlated to prognosis of a disease state. The expression of particular gene have been used as prognostic indicators for breast cancer including increased expression of *c-erbB-2*, pS2, ER, progesterone receptor, epidermal growth factor receptor (EGFR), *neu*, *myc*, *bcl-2*, *int2*, cytosolic tyrosine kinase, cyclin E, *prad-1*, *hst*, uPA, PAI-1, PAI-2, cathepsin D, as well as the presence of a number of cancer-specific antigens, e.g. CEA, CA
20 M26, CA M29 and CA 15.3. Davis, *Br. J. Biomed Sci.* (1996) 53:157. Poor prognosis has also been linked to a decrease in expression of certain genes, such as *p53*, *Rb*, *nm23*. The expression of the polynucleotides of the invention can be of prognostic value for determining the metastatic potential of a malignant breast cancer, as this molecules are
25 differentially expressed between high and low metastatic potential tissues tumors. The levels of these polynucleotides in patients with malignant breast cancer can compared to normal tissue, malignant tissue with a known high potential metastatic level, and malignant tissue with a known lower level of metastatic potential to provide a prognosis for a particular patient. Such a prognosis is predictive of the extent and nature of the cancer.
30 The determined prognosis is useful in determining the prognosis of a patient with breast cancer, both for initial treatment of the disease and for longer-term monitoring of the same

patient. If samples are taken from the same individual over a period of time, differences in polynucleotide expression that are specific to that patient can be identified and closely watched.

Colon Cancer. Colorectal cancer is one of the most common neoplasms in humans and perhaps the most frequent form of hereditary neoplasia. Prevention and early detection are key factors in controlling and curing colorectal cancer. Indeed, colorectal cancer is the second most preventable cancer, after lung cancer. Colorectal cancer begins as polyps, which are small, benign growths of cells that form on the inner lining of the colon. Over a period of several years, some of these polyps accumulate additional mutations and become cancerous. About 20 percent of all cases of colon cancer are thought to be related to heredity. Currently, multiple familial colorectal cancer disorders have been identified, which are summarized as follows:

Familial adenomatous polyposis (FAP): This condition results in a person having hundreds or even thousands of polyps in the colon and rectum that usually first appear during the teenage years. Cancer nearly always develops in one or more of these polyps between the ages of 30 and 50.

Gardner's syndrome: Like FAP, Gardner's syndrome results in polyps and colorectal cancers that develop at a young age. It can also cause benign tumors of the skin, soft connective tissue and bones.

Hereditary nonpolyposis colon cancer (HNPCC): People with this condition tend to develop colorectal cancer at a young age, without first having many polyps. HNPCC has an autosomal dominant pattern of inheritance with variable but high penetrance estimated to be about 90%. HNPCC underlies 0.5%-10% of all cases of colorectal cancer. An understanding of the mechanisms behind the development of HNPCC is emerging, and genetic presymptomatic testing, now being conducted in research settings, soon will be available on a widespread basis for individuals identified at risk for this disease.

Familial colorectal cancer in Ashkenazi Jews: Recent research has found an inherited tendency to developing colorectal cancer among some Jews of Eastern European descent. Like people with FAP, Gardner's syndrome, and HNPCC, their increased risk is due to an inherited mutation present in about 6% of American Jews.

Several tests are currently used to screen for colorectal cancer, including digital rectal examination, fecal occult blood test, sigmoidoscopy, colonoscopy, virtual colonoscopy and MRI. Each of these tests identifies potential colorectal cancer lesions, or a risk of development of these lesions, at a fairly gross morphological level.

5 The sequential alteration of a number of genes is associated with malignant adenocarcinoma, including the genes DCC, p53, ras, and FAP. For a review, see *e.g.* Fearon ER, *et al.*, *Cell* (1990) 61(5):759; Hamilton SR *et al.*, *Cancer* (1993) 72:957; Bodmer W, *et al.*, *Nat Genet.* (1994) 4(3):217; Fearon ER, *Ann N Y Acad Sci.* (1995) 768:101. Molecular genetic alterations are thus promising as potential diagnostic and

10 prognostic indicators in colorectal carcinoma and molecular genetics of colorectal carcinoma since it is possible to differentiate between different types of colorectal neoplasias using molecular markers. Colorectal cancer can thus be generally diagnosed by detection of expression of a gene or genes associated with colorectal tumors.

Similarly, the expression of polynucleotides of the invention can be used in the
15 diagnosis, prognosis and management of colorectal cancer. The differential expression of a polynucleotide in hyperplasia can be used as a diagnostic marker for colon cancer. The polynucleotides of the invention that would be especially useful for this purpose are those that exhibit differential expression between malignant metastatic colon cancer and normal patient tissue, *i.e.* SEQ ID NOS:228, 280, 355, 491, 603, 680, 752, 753, 1241, 1264, 1401,
20 1442, 1514, 1851, 1915, 2024, 2065, 33, 250, 282, 370, 387, 443, 460, 545, 560, 703, 704, 1095, 1104, 1205, 1354, 1387, 1734, 1742, 1954, 2262, 2325, 1899, 252, 253, 491, 581, 693, 726, 746, 1780, 1899, 65, 252, 253, 581, 693, 716, 726, 746, 1780, 1899, and 1780. Detection of malignant colon cancer can be determined using expression levels of any of these sequences alone or in combination with the levels of expression.

25 Determination of the aggressive nature and/or the metastatic potential of a colon cancer can also be determined by comparing levels of one or more polynucleotides of the invention and comparing total levels of another sequence known to vary in cancerous tissue, *e.g.* p53 expression. In addition, development of colon cancer can be detected by examining the ratio of any of the polynucleotides of the invention to the levels of
30 oncogenes (*e.g.* ras) or tumor suppressor genes (*e.g.* FAP or p53). Thus expression of specific marker polynucleotides can be used to discriminate between normal and cancerous

breast tissue, to discriminate between breast cancers with different cells of origin, to discriminate between breast cancers with different potential metastatic rates, etc.

G. Use of Polynucleotides to Screen for Peptide Analogs and Antagonists

Polypeptides encoded by the instant polynucleotides and corresponding full length
5 genes can be used to screen peptide libraries to identify binding partners, such as receptors, from among the encoded polypeptides.

A library of peptides can be synthesized following the methods disclosed in U.S. Pat. No. 5,010,175 ('175), and in WO 91/17823. As described below in brief, one prepares a mixture of peptides, which is then screened to identify the peptides exhibiting the desired
10 signal transduction and receptor binding activity. In the '175 method, a suitable peptide synthesis support (*e.g.*, a resin) is coupled to a mixture of appropriately protected, activated amino acids. The concentration of each amino acid in the reaction mixture is balanced or adjusted in inverse proportion to its coupling reaction rate so that the product is an equimolar mixture of amino acids coupled to the starting resin. The bound amino acids are
15 then deprotected, and reacted with another balanced amino acid mixture to form an equimolar mixture of all possible dipeptides. This process is repeated until a mixture of peptides of the desired length (*e.g.*, hexamers) is formed. Note that one need not include all amino acids in each step: one can include only one or two amino acids in some steps (*e.g.*, where it is known that a particular amino acid is essential in a given position), thus
20 reducing the complexity of the mixture. After the synthesis of the peptide library is completed, the mixture of peptides is screened for binding to the selected polypeptide. The peptides are then tested for their ability to inhibit or enhance activity. Peptides exhibiting the desired activity are then isolated and sequenced.

The method described in WO 91/17823 is similar. However, instead of reacting the
25 synthesis resin with a mixture of activated amino acids, the resin is divided into twenty equal portions (or into a number of portions corresponding to the number of different amino acids to be added in that step), and each amino acid is coupled individually to its portion of resin. The resin portions are then combined, mixed, and again divided into a number of equal portions for reaction with the second amino acid. In this manner, each
30 reaction can be easily driven to completion. Additionally, one can maintain separate "subpools" by treating portions in parallel, rather than combining all resins at each step.

This simplifies the process of determining which peptides are responsible for any observed receptor binding or signal transduction activity.

In such cases, the subpools containing, *e.g.*, 1-2,000 candidates each are exposed to one or more polypeptides of the invention. Each subpool that produces a positive result is then resynthesized as a group of smaller subpools (sub-subpools) containing, *e.g.*, 20-100 candidates, and reassayed. Positive sub-subpools can be resynthesized as individual compounds, and assayed finally to determine the peptides that exhibit a high binding constant. These peptides can be tested for their ability to inhibit or enhance the native activity. The methods described in WO 91/7823 and U.S. Patent No. 5,194,392 (herein incorporated by reference) enable the preparation of such pools and subpools by automated techniques in parallel, such that all synthesis and resynthesis can be performed in a matter of days.

Peptide agonists or antagonists are screened using any available method, such as signal transduction, antibody binding, receptor binding, mitogenic assays, chemotaxis assays, etc. The methods described herein are presently preferred. The assay conditions ideally should resemble the conditions under which the native activity is exhibited *in vivo*, that is, under physiologic pH, temperature, and ionic strength. Suitable agonists or antagonists will exhibit strong inhibition or enhancement of the native activity at concentrations that do not cause toxic side effects in the subject. Agonists or antagonists that compete for binding to the native polypeptide can require concentrations equal to or greater than the native concentration, while inhibitors capable of binding irreversibly to the polypeptide can be added in concentrations on the order of the native concentration.

The end results of such screening and experimentation will be at least one novel polypeptide binding partner, such as a receptor, encoded by a gene or a cDNA corresponding to a polynucleotide of the invention, and at least one peptide agonist or antagonist of the novel binding partner. Such agonists and antagonists can be used to modulate, enhance, or inhibit receptor function in cells to which the receptor is native, or in cells that possess the receptor as a result of genetic engineering. Further, if the novel receptor shares biologically important characteristics with a known receptor, information about agonist/antagonist binding can facilitate development of improved agonists/antagonists of the known receptor.

H. Pharmaceutical Compositions and Therapeutic Uses

Pharmaceutical compositions can comprise polypeptides, antibodies, or polynucleotides of the claimed invention. The pharmaceutical compositions will comprise a therapeutically effective amount of either polypeptides, antibodies, or polynucleotides of the claimed invention.

The term "therapeutically effective amount" as used herein refers to an amount of a therapeutic agent to treat, ameliorate, or prevent a desired disease or condition, or to exhibit a detectable therapeutic or preventative effect. The effect can be detected by, for example, chemical markers or antigen levels. Therapeutic effects also include reduction in physical symptoms, such as decreased body temperature. The precise effective amount for a subject will depend upon the subject's size and health, the nature and extent of the condition, and the therapeutics or combination of therapeutics selected for administration. Thus, it is not useful to specify an exact effective amount in advance. However, the effective amount for a given situation is determined by routine experimentation and is within the judgment of the clinician. For purposes of the present invention, an effective dose will generally be from about 0.01 mg/kg to 50 mg/kg or 0.05 mg/kg to about 10 mg/kg of the DNA constructs in the individual to which it is administered.

A pharmaceutical composition can also contain a pharmaceutically acceptable carrier. The term "pharmaceutically acceptable carrier" refers to a carrier for administration of a therapeutic agent, such as antibodies or a polypeptide, genes, and other therapeutic agents. The term refers to any pharmaceutical carrier that does not itself induce the production of antibodies harmful to the individual receiving the composition, and which can be administered without undue toxicity. Suitable carriers can be large, slowly metabolized macromolecules such as proteins, polysaccharides, polylactic acids, polyglycolic acids, polymeric amino acids, amino acid copolymers, and inactive virus particles. Such carriers are well known to those of ordinary skill in the art.

Pharmaceutically acceptable salts can be used therein, for example, mineral acid salts such as hydrochlorides, hydrobromides, phosphates, sulfates, and the like; and the salts of organic acids such as acetates, propionates, malonates, benzoates, and the like. A thorough discussion of pharmaceutically acceptable excipients is available in *Remington's Pharmaceutical Sciences* (Mack Pub. Co., N.J. 1991).

Pharmaceutically acceptable carriers in therapeutic compositions can include liquids such as water, saline, glycerol and ethanol. Auxiliary substances, such as wetting or emulsifying agents, pH buffering substances, and the like, can also be present in such vehicles. Typically, the therapeutic compositions are prepared as injectables, either as liquid solutions or suspensions; solid forms suitable for solution in, or suspension in, liquid vehicles prior to injection can also be prepared. Liposomes are included within the definition of a pharmaceutically acceptable carrier.

Delivery Methods. Once formulated, the compositions of the invention can be (1) administered directly to the subject (*e.g.*, as polynucleotide or polypeptides); (2) delivered *ex vivo*, to cells derived from the subject (*e.g.*, as in *ex vivo* gene therapy); or (3) delivered *in vitro* for expression of recombinant proteins (*e.g.*, polynucleotides). Direct delivery of the compositions will generally be accomplished by injection, either subcutaneously, intraperitoneally, intravenously or intramuscularly, or delivered to the interstitial space of a tissue. The compositions can also be administered into a tumor or lesion. Other modes of administration include oral and pulmonary administration, suppositories, and transdermal applications, needles, and gene guns or hyposprays. Dosage treatment can be a single dose schedule or a multiple dose schedule.

Methods for the *ex vivo* delivery and reimplantation of transformed cells into a subject are known in the art and described in *e.g.*, International Publication No. WO 93/14778. Examples of cells useful in *ex vivo* applications include, for example, stem cells, particularly hematopoietic, lymph cells, macrophages, dendritic cells, or tumor cells. Generally, delivery of nucleic acids for both *ex vivo* and *in vitro* applications can be accomplished by, for example, dextran-mediated transfection, calcium phosphate precipitation, polybrene mediated transfection, protoplast fusion, electroporation, encapsulation of the polynucleotide(s) in liposomes, and direct microinjection of the DNA into nuclei, all well known in the art.

Once a gene corresponding to a polynucleotide of the invention has been found to correlate with a proliferative disorder, such as neoplasia, dysplasia, and hyperplasia, the disorder can be amenable to treatment by administration of a therapeutic agent based on the provided polynucleotide or corresponding polypeptide.

Preparation of antisense polynucleotides is discussed above. Neoplasias that are treated with the antisense composition include, but are not limited to, cervical cancers, melanomas, colorectal adenocarcinomas, Wilms' tumor, retinoblastoma, sarcomas, myosarcomas, lung carcinomas, leukemias, such as chronic myelogenous leukemia, promyelocytic leukemia, monocytic leukemia, and myeloid leukemia, and lymphomas, such as histiocytic lymphoma. Proliferative disorders that are treated with the therapeutic composition include disorders such as anhydric hereditary ectodermal dysplasia, congenital alveolar dysplasia, epithelial dysplasia of the cervix, fibrous dysplasia of bone, and mammary dysplasia. Hyperplasias, for example, endometrial, adrenal, breast, prostate, or thyroid hyperplasias or pseudoepitheliomatous hyperplasia of the skin, are treated with antisense therapeutic compositions based upon a polynucleotide of the invention. Even in disorders in which mutations in the corresponding gene are not implicated, downregulation or inhibition of expression of a gene corresponding to a polynucleotide of the invention can have therapeutic application. For example, decreasing gene expression can help to suppress tumors in which enhanced expression of the gene is implicated.

Both the dose of the antisense composition and the means of administration are determined based on the specific qualities of the therapeutic composition, the condition, age, and weight of the patient, the progression of the disease, and other relevant factors. Administration of the therapeutic antisense agents of the invention includes local or systemic administration, including injection, oral administration, particle gun or catheterized administration, and topical administration. Preferably, the therapeutic antisense composition contains an expression construct comprising a promoter and a polynucleotide segment of at least 12, 22, 25, 30, or 35 contiguous nucleotides of the antisense strand of a polynucleotide disclosed herein. Within the expression construct, the polynucleotide segment is located downstream from the promoter, and transcription of the polynucleotide segment initiates at the promoter.

Various methods are used to administer the therapeutic composition directly to a specific site in the body. For example, a small metastatic lesion is located and the therapeutic composition injected several times in several different locations within the body of tumor. Alternatively, arteries which serve a tumor are identified, and the therapeutic composition injected into such an artery, in order to deliver the composition directly into

the tumor. A tumor that has a necrotic center is aspirated and the composition injected directly into the now empty center of the tumor. The antisense composition is directly administered to the surface of the tumor, for example, by topical application of the composition. X-ray imaging is used to assist in certain of the above delivery methods.

5 Receptor-mediated targeted delivery of therapeutic compositions containing an antisense polynucleotide, subgenomic polynucleotides, or antibodies to specific tissues is also used. Receptor-mediated DNA delivery techniques are described in, for example, Findeis *et al.*, *Trends Biotechnol.* (1993) 11:202; Chiou *et al.*, *Gene Therapeutics: Methods And Applications Of Direct Gene Transfer* (J.A. Wolff, ed.) (1994); Wu *et al.*, *J. Biol.*
10 *Chem.* (1988) 263:621; Wu *et al.*, *J. Biol. Chem.* (1994) 269:542; Zenke *et al.*, *Proc. Natl. Acad. Sci. (USA)* (1990) 87:3655; Wu *et al.*, *J. Biol. Chem.* (1991) 266:338. Preferably, receptor-mediated targeted delivery of therapeutic compositions containing antibodies of the invention is used to deliver the antibodies to specific tissue.

Therapeutic compositions containing antisense subgenomic polynucleotides are
15 administered in a range of about 100 ng to about 200 mg of DNA for local administration in a gene therapy protocol. Concentration ranges of about 500 ng to about 50 mg, about 1 µg to about 2 mg, about 5 µg to about 500 µg, and about 20 µg to about 100 µg of DNA can also be used during a gene therapy protocol. Factors such as method of action and efficacy of transformation and expression are considerations which will affect the dosage
20 required for ultimate efficacy of the antisense subgenomic polynucleotides. Where greater expression is desired over a larger area of tissue, larger amounts of antisense subgenomic polynucleotides or the same amounts readministered in a successive protocol of administrations, or several administrations to different adjacent or close tissue portions of, for example, a tumor site, may be required to effect a positive therapeutic outcome. In all
25 cases, routine experimentation in clinical trials will determine specific ranges for optimal therapeutic effect. A more complete description of gene therapy vectors, especially retroviral vectors, is contained in U.S. Serial No. 08/869,309, which is expressly incorporated herein, and in section G below.

For polynucleotide-related genes encoding polypeptides or proteins with anti-
30 inflammatory activity, suitable use, doses, and administration are described in U.S. Patent No. 5,654,173. Therapeutic agents also include antibodies to proteins and polypeptides

encoded by the polynucleotides of the invention and related genes, as described in U.S. Patent No. 5,654,173.

I. Gene Therapy

The therapeutic polynucleotides and polypeptides of the present invention can be
5 utilized in gene delivery vehicles. The gene delivery vehicle can be of viral or non-viral
origin (see generally, Jolly, *Cancer Gene Therapy* (1994) 1:51; Kimura, *Human Gene
Therapy* (1994) 5:845; Connelly, *Human Gene Therapy* (1995) 1:185; and Kaplitt, *Nature
Genetics* (1994) 6:148). Gene therapy vehicles for delivery of constructs including a
coding sequence of a therapeutic of the invention can be administered either locally or
10 systemically. These constructs can utilize viral or non-viral vector approaches. Expression
of such coding sequences can be induced using endogenous mammalian or heterologous
promoters. Expression of the coding sequence can be either constitutive or regulated.

The present invention can employ recombinant retroviruses which are constructed
to carry or express a selected nucleic acid molecule of interest. Retrovirus vectors that can
15 be employed include those described in EP 0 415 731; WO 90/07936; WO 94/03622; WO
93/25698; WO 93/25234; U.S. Patent No. 5, 219,740; WO 93/11230; WO 93/10218; Vile
and Hart, *Cancer Res.* (1993) 53:3860; Vile *et al.*, *Cancer Res.* (1993) 53:962; Ram *et al.*,
Cancer Res. (1993) 53:83; Takamiya *et al.*, *J. Neurosci. Res.* (1992) 33:493; Baba *et al.*, *J.
Neurosurg.* (1993) 79:729; U.S. Patent No. 4,777,127; GB Patent No. 2,200,651; and EP 0
20 345 242. Preferred recombinant retroviruses include those described in WO 91/02805.

Packaging cell lines suitable for use with the above-described retroviral vector
constructs can be readily prepared (see, *e.g.*, WO 95/30763 and WO 92/05266), and used to
create producer cell lines (also termed vector cell lines) for the production of recombinant
vector particles. Within particularly preferred embodiments of the invention, packaging
25 cell lines are made from human (such as HT1080 cells) or mink parent cell lines, thereby
allowing production of recombinant retroviruses that can survive inactivation in human
serum.

The present invention also employs alphavirus-based vectors that can function as
gene delivery vehicles. Such vectors can be constructed from a wide variety of
30 alphaviruses, including, for example, Sindbis virus vectors, Semliki forest virus (ATCC
VR-67; ATCC VR-1247), Ross River virus (ATCC VR-373; ATCC VR-1246) and

Venezuelan equine encephalitis virus (ATCC VR-923; ATCC VR-1250; ATCC VR 1249; ATCC VR-532). Representative examples of such vector systems include those described in U.S. Patent Nos. 5,091,309; 5,217,879; and 5,185,440; WO 92/10578; WO 94/21792; WO 95/27069; WO 95/27044; and WO 95/07994. Gene delivery vehicles of the present
5 invention can also employ parvovirus such as adeno-associated virus (AAV) vectors. Representative examples include the AAV vectors disclosed by Srivastava in WO 93/09239, Samulski et al., *J. Virol.* (1989) 63:3822; Mendelson et al., *Virol.* (1988) 166:154; and Flotte et al., *PNAS* (1993) 90:10613.

Representative examples of adenoviral vectors include those described by Berkner,
10 *Biotechniques* (1988) 6:616; Rosenfeld et al., *Science* (1991) 252:431; WO 93/19191; Kolls et al., *PNAS* (1994) 91:215; Kass-Eisler et al., *PNAS* (1993) 90:11498; Guzman et al., *Circulation* (1993) 88:2838; Guzman et al., *Cir. Res.* (1993) 73:1202; Zabner et al., *Cell* (1993) 75:207; Li et al., *Hum. Gene Ther.* (1993) 4:403; Cailaud et al., *Eur. J. Neurosci.* (1993) 5:1287; Vincent et al., *Nat. Genet.* (1993) 5:130; Jaffe et al., *Nat. Genet.*
15 (1992) 1:372; and Levrero et al., *Gene* (1991) 101:195. Exemplary adenoviral gene therapy vectors employable in this invention also include those described in WO 94/12649, WO 93/03769; WO 93/19191; WO 94/28938; WO 95/11984 and WO 95/00655. Administration of DNA linked to killed adenovirus as described in Curiel, *Hum. Gene Ther.* (1992) 3:147 can be employed.

20 Other gene delivery vehicles and methods can be employed, including polycationic condensed DNA linked or unlinked to killed adenovirus alone, for example Curiel, *Hum. Gene Ther.* (1992) 3:147; ligand linked DNA, for example see Wu, *J. Biol. Chem.* (1989) 264:16985; eukaryotic cell delivery vehicles cells, for example see U.S. Pat. No. 5,814,482; WO 95/07994; WO 96/17072; WO 95/30763; and WO 97/42338; deposition of
25 photopolymerized hydrogel materials; hand-held gene transfer particle gun, as described in U.S. Patent No. 5,149,655; ionizing radiation as described in U.S. Patent No. 5,206,152 and in WO92/11033; nucleic charge neutralization or fusion with cell membranes. Additional approaches are described in Philip, *Mol. Cell Biol.* (1994) 14:2411, and in Woffendin, *Proc. Natl. Acad. Sci.* (1994) 91:1581.

30 Naked DNA can also be employed. Exemplary naked DNA introduction methods are described in WO 90/11092 and U.S. Patent No. 5,580,859. Liposomes that can act as

gene delivery vehicles are described in U.S. Patent No. 5,422,120; WO 95/13796; WO 94/23697; WO 91/14445; and EP 0524968.

Further non-viral delivery suitable for use includes mechanical delivery systems such as the approach described in Woffendin *et al.*, *Proc. Natl. Acad. Sci. USA* (1994) 5 91(24):11581. Moreover, the coding sequence and the product of expression of such can be delivered through deposition of photopolymerized hydrogel materials. Other conventional methods for gene delivery that can be used for delivery of the coding sequence include, for example, use of hand-held gene transfer particle gun, as described in U.S. Patent No. 5,149,655; use of ionizing radiation for activating transferred gene, as 10 described in U.S. Patent No. 5,206,152 and WO 92/11033.

The present invention will now be illustrated by reference to the following examples which set forth particularly advantageous embodiments. However, it should be noted that these embodiments are illustrative and are not to be construed as restricting the invention in any way.

EXAMPLES

Example 1: Source of Biological Materials and Overview of Novel Polynucleotides Expressed by the Biological Materials

5 Human colon cancer cell line Km12L4-A (Morika, W. A. K. et al., *Cancer Research* (1988) 48:6863) was used to construct a cDNA library from mRNA isolated from the cells. As described in the above overview, a total of 4,693 sequences expressed by the Km12L4-A cell line were isolated and analyzed; most sequences were about 275-300 nucleotides in length. The KM12L4-A cell line is derived from the KM12C cell line. The
10 KM12C cell line, which is poorly metastatic (low metastatic) was established in culture from a Dukes' stage B₂ surgical specimen (Morikawa et al. *Cancer Res.* (1988) 48:6863). The KML4-A is a highly metastatic subline derived from KM12C (Yeatman et al. *Nucl. Acids. Res.* (1995) 23:4007; Bao-Ling et al. *Proc. Annu. Meet. Am. Assoc. Cancer. Res.* (1995) 21:3269). The KM12C and KM12C-derived cell lines (e.g., KM12L4, KM12L4-A,
15 etc.) are well-recognized in the art as a model cell line for the study of colon cancer (see, e.g., Moriakawa et al., *supra*; Radinsky et al. *Clin. Cancer Res.* (1995) 1:19; Yeatman et al., (1995) *supra*; Yeatman et al. *Clin. Exp. Metastasis* (1996) 14:246).

The sequences were first masked to eliminate low complexity sequences using the XBLAST masking program (Claverie "Effective Large-Scale Sequence Similarity
20 Searches," In: Computer Methods for Macromolecular Sequence Analysis, Doolittle, ed., *Meth. Enzymol.* 266:212-227 Academic Press, NY, NY (1996); see particularly Claverie, in "Automated DNA Sequencing and Analysis Techniques" Adams et al., eds., Chap. 36, p. 267 Academic Press, San Diego, 1994 and Claverie et al. *Comput. Chem.* (1993) 17:191). Generally, masking does not influence the final search results, except to eliminate
25 sequences of relative little interest due to their low complexity, and to eliminate multiple "hits" based on similarity to repetitive regions common to multiple sequences, e.g., Alu repeats. Masking resulted in the elimination of 43 sequences. The remaining sequences were then used in a BLASTN vs. Genbank search with search parameters of greater than 70% overlap, 99% identity, and a p value of less than 1×10^{-40} , which search resulted in the
30 discarding of 1,432 sequences. Sequences from this search also were discarded if the inclusive parameters were met, but the sequence was ribosomal or vector-derived.

The resulting sequences from the previous search were classified into three groups (1, 2 and 3 below) and searched in a BLASTX vs. NRP (non-redundant proteins) database

search: (1) unknown (no hits in the Genbank search), (2) weak similarity (greater than 45% identity and p value of less than 1×10^{-5}), and (3) high similarity (greater than 60% overlap, greater than 80% identity, and p value less than 1×10^{-5}). This search resulted in discard of 98 sequences as having greater than 70% overlap, greater than 99% identity, and p value of less than 1×10^{-40} .

The remaining sequences were classified as unknown (no hits), weak similarity, and high similarity (parameters as above). Two searches were performed on these sequences. First, a BLAST vs. EST database search resulted in discard of 1771 sequences (sequences with greater than 99% overlap, greater than 99% similarity and a p value of less than 1×10^{-40} ; sequences with a p value of less than 1×10^{-65} when compared to a database sequence of human origin were also excluded). Second, a BLASTN vs. Patent GeneSeq database resulted in discard of 15 sequences (greater than 99% identity; p value less than 1×10^{-40} ; greater than 99% overlap).

The remaining sequences were subjected to screening using other rules and redundancies in the dataset. Sequences with a p value of less than 1×10^{-111} in relation to a database sequence of human origin were specifically excluded. The final result provided the 2502 sequences listed in the accompanying Sequence Listing. The Sequence Listing is arranged beginning with sequences with no similarity to any sequence in a database searched, and ending with sequences with the greatest similarity. Each identified polynucleotide represents sequence from at least a partial mRNA transcript. Polynucleotides that were determined to be novel were assigned a sequence identification number.

The novel polynucleotides were assigned sequence identification numbers SEQ ID NOS:1-2502. The DNA sequences corresponding to the novel polynucleotides are provided in the Sequence Listing. The majority of the sequences are presented in the Sequence Listing in the 5' to 3' direction. A small number of sequences are listed in the Sequence Listing in the 5' to 3' direction but the sequence as written is actually 3' to 5'. These sequences are readily identified with the designation "AR" in the Sequence Name in Table 1 (inserted before the claims). The sequences correctly listed in the 5' to 3' direction in the Sequence Listing are designated "AF." Table 1 provides: 1) the SEQ ID NO assigned to each sequence for use in the present specification; 2) the filing date of the U.S. priority application in which the sequence was first filed; 3) the SEQ ID NO assigned to the sequence in the priority application; 4) the sequence name used as an internal identifier of

the sequence; 5) the name assigned to the clone from which the sequence was isolated; and 6) the number of the cluster to which the sequence is assigned (Cluster ID; where the cluster ID is 0, the sequence was not assigned to any cluster

Because the provided polynucleotides represent partial mRNA transcripts, two or more polynucleotides of the invention may represent different regions of the same mRNA transcript and the same gene. Thus, if two or more SEQ ID NOS: are identified as belonging to the same clone, then either sequence can be used to obtain the full-length mRNA or gene. In addition, some sequences are identified with multiple SEQ ID NOS, since these sequences were present in more than one filing. For example, SEQ ID NO:87 and SEQ ID NO:1000 represent the same sequence.

In order to confirm the sequences of SEQ ID NOS:1-2502, inserts of the clones corresponding to these polynucleotides were re-sequenced. These "validation" sequences are provided in SEQ ID NOS:2503-5106. Of these validation sequences, SEQ ID NOS:3040, 3545, 3863, 4511, 4726, and 4749 are not true validation sequences. Instead, SEQ ID NOS:3545, 4511, 4726, and 4749 represent "placeholder" sequences, *i.e.*, sequences that were inserted into the Sequence Listing only to prevent renumbering of the subsequent sequences during generation of the Sequence Listing. Thus, reference to "SEQ ID NOS:1-5252," "SEQ ID NOS:1-5106," or other ranges of SEQ ID NOS that include these placeholder sequences should be read to exclude SEQ ID NOS:3545, 4511, 4726, and 4749.

The validation sequences were often longer than the original polynucleotide sequences they validate, and thus often provide additional sequence information. Validation sequences can be correlated with the original sequences they validate by referring to Table 1. For example, validation sequences of SEQ ID NOS:2503-3039, 3041-3544, 3546-3862 3864-4510, and 4512-4725 share the clone name of the sequence of SEQ ID NOS:1-2502 that they validate.

Example 2: Results of Public Database Search to Identify Function of Gene Products

SEQ ID NOS:1-2502, as well as the validation sequences SEQ ID NOS:2503-3039, 3041-3544, 3546-3862 3864-4510, and 4512-4725 xx:clf were translated in all three reading frames to determine the best alignment with the individual sequences. These amino acid sequences and nucleotide sequences are referred, generally, as query sequences, which are aligned with the individual sequences. Query and individual sequences were

aligned using the BLAST programs, available over the world wide web at <http://www.ncbi.nlm.nih.gov/BLAST/>. Again the sequences were masked to various extents to prevent searching of repetitive sequences or poly-A sequences, using the XBLAST program for masking low complexity as described above in Example 1.

5 Table 2 (inserted before the claims) shows the results of the alignments. Table 2 refers to each sequence by its SEQ ID NO., the accession numbers and descriptions of nearest neighbors from the Genbank and Non-Redundant Protein searches, and the p values of the search results.

10 For each of "SEQ ID NOS:1-5106," the best alignment to a protein or DNA sequence is included in Table 2. The activity of the polypeptide encoded by "SEQ ID NOS:1-5106" is the same or similar to the nearest neighbor reported in Table 2. The accession number of the nearest neighbor is reported, providing a reference to the activities exhibited by the nearest neighbor. The search program and database used for the alignment also are indicated as well as a calculation of the p value.

15 Full length sequences or fragments of the polynucleotide sequences of the nearest neighbors can be used as probes and primers to identify and isolate the full length sequence of "SEQ ID NOS:1-5106." The nearest neighbors can indicate a tissue or cell type to be used to construct a library for the full-length sequences of "SEQ ID NOS:1-5106."

20 "SEQ ID NOS:1-5106" and the translations thereof may be human homologs of known genes of other species or novel allelic variants of known human genes. In such cases, these new human sequences are suitable as diagnostics or therapeutics. As diagnostics, the human sequences "SEQ ID NOS:1-5106" exhibit greater specificity in detecting and differentiating human cell lines and types than homologs of other species. The human polypeptides encoded by "SEQ ID NOS:1-5106" are likely to be less
25 immunogenic when administered to humans than homologs from other species. Further, on administration to humans, the polypeptides encoded by "SEQ ID NOS:1-5106" can show greater specificity or can be better regulated by other human proteins than are homologs from other species.

30 **Example 3: Members of Protein Families**

The validation sequences ("SEQ ID NOS:2503-5106") were used to conduct a profile search as described in the specification above. Several of the polynucleotides of the invention were found to encode polypeptides having characteristics of a polypeptide

belonging to a known protein families (and thus represent new members of these protein families) and/or comprising a known functional domain (Table 3, inserted prior to claims). Thus the invention encompasses fragments, fusions, and variants of such polynucleotides that retain biological activity associated with the protein family and/or functional domain identified herein.

Start and stop indicate the position within the individual sequences that align with the query sequence having the indicated SEQ ID NO. The direction (Dir) indicates the orientation of the query sequence with respect to the individual sequence, where forward (for) indicates that the alignment is in the same direction (left to right) as the sequence provided in the Sequence Listing and reverse (rev) indicates that the alignment is with a sequence complementary to the sequence provided in the Sequence Listing.

Some polynucleotides exhibited multiple profile hits because, for example, the particular sequence contains overlapping profile regions, and/or the sequence contains two different functional domains. These profile hits are described in more detail below. The acronyms used in Table 3 are provided in parentheses following the full name of the protein family or functional domain to which they refer.

a) Seven Transmembrane Integral Membrane Proteins -- Rhodopsin Family

(7tm_1). Several of the validation sequences, and thus their corresponding sequence within SEQ ID NOS:1-2502, correspond to a sequence encoding a polypeptide that is a member of the seven transmembrane receptor rhodopsin family. G-protein coupled receptors of the seven transmembrane rhodopsin family (also called R7G) are an extensive group of hormones, neurotransmitters, and light receptors which transduce extracellular signals by interaction with guanine nucleotide-binding (G) proteins (Strosberg A.D. *Eur. J. Biochem.* (1991) 196:1, Kerlavage A.R. *Curr. Opin. Struct. Biol.* (1991) 1:394, Probst, et al., *DNA Cell Biol.* (1992) 11:1, Savarese, et al., *Biochem. J.* (1992) 283:1, <http://www.gcrdb.uthscsa.edu/>, <http://swift.embl-heidelberg.de/7tm/>. The receptors that are currently known to belong to this family are: 1) 5-hydroxytryptamine (serotonin) 1A to 1F, 2A to 2C, 4, 5A, 5B, 6 and 7 (Branchek T., *Curr. Biol.* (1993) 3:315); 2) acetylcholine, muscarinic-type, M1 to M5; 3) adenosine A1, A2A, A2B and A3 (Stiles G.L. *J. Biol. Chem.* (1992) 267:6451; 4) adrenergic alpha-1A to -1C; alpha-2A to -2D; beta-1 to -3 (Friell T. et al., *Trends Neurosci.* (1988) 11:321); 5) angiotensin II types I and II; 6) bombesin subtypes 3 and 4; 7) bradykinin B1 and B2; 8) c3a and C5a anaphylatoxin; 9) cannabinoid CB1 and CB2; 10) chemokines C-C CC-CKR-1 to CC-CKR-8; 11)

- Chemokines C-X-C CXC-CKR-1 to CXC-CKR-4; 12) Cholecystokinin-A and cholecystokinin-B/gastrin Dopamine D1 to D5 (Stevens C.F., *Curr. Biol.* (1991) 1:20); 13) Endothelin ET-a and ET-b (Sakurai T. et al., *Trends Pharmacol. Sci.* (1992) 13:103-107); 14) fMet-Leu-Phe (fMLP) (Nformyl peptide); 15) Follicle stimulating hormone (FSH-R); 5 16) Galanin; 17) Gastrin-releasing peptide (GRP-R); 18) Gonadotropin-releasing hormone (GNRH-R); 19) Histamine H1 and H2 (gastric receptor I); 20) Lutropin-choriogonadotropic hormone (LSH-R) (Salesse R., et al., *Biochimie* (1991) 73:109); 21) Melanocortin MC1R to MC5R; 22) Melatonin; 23) Neuromedin B (NMB-R); 24) Neuromedin K (NK-3R); 25) Neuropeptide Y types 1 to 6; 26) Neurotensin (NT-R); 27) 10 Octopamine (tyramine), from insects; 28) Odorants (Lancet D., et al., *Curr. Biol.* (1993)3:668; 29) Opioids delta-, kappa- and mu-types (Uhl G.R., et al., *Trends Neurosci.* (1994) 17:89; 30) Oxytocin (OT-R); 31) Platelet activating factor (PAF-R); 32) Prostacyclin; 33) Prostaglandin D2; 34) Prostaglandin E2, EP1 to EP4 subtypes; 35) Prostaglandin F2; 36) Purinoreceptors (ATP) (Barnard E.A., et al., *Trends Pharmacol. Sci.* 15 (1994)15:67; 37); Somatostatin types 1 to 5; 38) Substance-K (NK-2R); Substance-P (NK-1R); 39) Thrombin; 40) Thromboxane A2; 41) Thyrotropin (TSH-R) (Salesse R., et al., *Biochimie* (1991) 73:109); 42) Thyrotropin releasing factor (TRH-R); 42) Vasopressin V1a, V1b and V2; 43) Visual pigments (opsins and rhodopsin) (Applebury M.L., et al., *Vision Res.* (1986) 26:1881; 44) Proto-oncogene mas; 45) A number of orphan receptors 20 (whose ligand is not known) from mammals and birds; 46) *Caenorhabditis elegans* putative receptors C06G4.5, C38C10.1, C43C3.2; 47) T27D1.3 and ZC84.4; 48) Three putative receptors encoded in the genome of cytomegalovirus: US27, US28, and UL33; and 49) ECRF3, a putative receptor encoded in the genome of herpesvirus saimiri.

The structure of these receptors is thought to be identical. They have seven 25 hydrophobic regions, each of which most probably spans the membrane. The N-terminus is located on the extracellular side of the membrane and is often glycosylated, while the C-terminus is cytoplasmic and generally phosphorylated. Three extracellular loops alternate with three intracellular loops to link the seven transmembrane regions. Most, but not all of these receptors, lack a signal peptide. The most conserved parts of these proteins are the 30 transmembrane regions and the first two cytoplasmic loops. A conserved acidic-Arg-aromatic triplet is present in the N-terminal extremity of the second cytoplasmic loop (Attwood T.K., Eliopoulos E.E., Findlay J.B.C. *Gene* (1991) 98:153-159) and could be implicated in the interaction with G proteins.

A consensus pattern that contains the conserved triplet and that also spans the major part of the third transmembrane helix is used to detect this widespread family of proteins: [GSTALIVMFYWC]-[GSTANCPDE]-{EDPKRH}-x(2)-[LIVMNQGA]-x(2)-[LIVMFT]-[GSTANC]-[LIVMFYWSTAC]-[DENH]-R-[FYWCSH]-x(2)-[LIVM].

5 b) Seven Transmembrane Integral Membrane Proteins -- Secretin Family (7tm 2).

Several of the validation sequences, and thus their corresponding sequence within SEQ ID NOS:1-2502, correspond to a sequence encoding a polypeptide that is a member of the seven transmembrane receptor secretin family. A number of peptide hormones bind to G-protein coupled receptors that, while structurally similar to the majority of G-protein coupled receptors (R7G) (see profile for 7 transmembrane receptors (rhodopsin family), do not show any similarity at the level of their sequence, thus new family whose current known members (Jueppner et al. *Science* (1991) 254:1024; Hamann et al. *Genomics* (1996) 32:144).are: 1) calcitonin receptor, 2) calcitonin gene-related peptide receptor; 3) corticotropin releasing factor receptor types 1 and 2; 4) gastric inhibitory polypeptide receptor; 5) glucagon receptor; 6) glucagon-like peptide 1 receptor; 7) growth hormone-releasing hormone receptor; 7) parathyroid hormone / parathyroid hormone-related peptide types 1 and 2; 8) pituitary adenylate cyclase activating polypeptide receptor; 9) secretin receptor; 10) vasoactive intestinal peptide receptor types 1 and 2; 10) insects diuretic hormone receptor; 11) *Caenorhabditis elegans* putative receptor C13B9.4; 12) *Caenorhabditis elegans* putative receptor ZK643.3; 13) human leucocyte CD97 (which contains 3 EGF-like domains in its N-terminal section); 14) human cell surface glycoprotein EMR1 (which contains 6 EGF-like domains in it N-terminal section); and 15) mouse cell surface glycoprotein F4/80 (which contains 7 EGF-like domains in its N-terminal section). All of 1) through 10) are coupled to G-proteins which activate both adenylyl cyclase and the phosphatidylinositol-calcium pathway.

Like classical R7G the secretin family of 7 transmembrane proteins contain seven transmembrane regions. Their N-terminus is located on the extracellular side of the membrane and potentially glycosylated, while their C-terminus is cytoplasmic. But apart from these topological similarities they do not share any region of sequence similarity and are therefore probably not evolutionary related.

Every receptor in the 7 transmember secretin family is encoded on multiple exons, and several of these functionally distinct products. The N-terminal extracellular domain of these receptors contains five conserved cysteines residues that may be involved in disulfide

bonds, with a consensus pattern in the region that spans the first three cysteines. One of the most highly conserved regions spans the C-terminal part of the last transmembrane region and the beginning of the adjacent intracellular region. This second region is used as a second signature pattern. The two consensus patterns are:

- 5 1) C-x(3)-[FYWLIV]-D-x(3,4)-C-[FW]-x(2)-[STAGV]-x(8,9)-C-[PF]
 - 2) Q-G-[LMFCA]-[LIVMFT]-[LIV]-x-[LIVFST]-[LIF]-[VFYH]-C- [LFY]-x-N-x(2)-V
- c) Ank Repeats (ANK). SEQ IS NO:2656, and thus its corresponding sequence within SEQ ID NOS:1-2502, represents a polynucleotide encoding an Ank repeat-containing protein. The ankyrin motif is a 33 amino acid sequence named after the protein
- 10 ankyrin which has 24 tandem 33-amino-acid motifs. Ank repeats were originally identified in the cell-cycle-control protein cdc10 (Breedon *et al.*, *Nature* (1987) 329:651). Proteins containing ankyrin repeats include ankyrin, myotropin, I-kappaB proteins, cell cycle protein cdc10, the Notch receptor (Matsuno *et al.*, *Development* (1997) 124(21):4265); G9a (or BAT8) of the class III region of the major histocompatibility complex (Biochem J.
 - 15 290:811-818, 1993), FABP, GABP, 53BP2, Lin12, glp-1, SW14, and SW16. The functions of the ankyrin repeats are compatible with a role in protein-protein interactions (Bork, *Proteins* (1993) 17(4):363; Lambert and Bennet, *Eur. J. Biochem.* (1993) 211:1; Kerr *et al.*, *Current Op. Cell Biol.* (1992) 4:496; Bennet *et al.*, *J. Biol. Chem.* (1980) 255:6424).

- 20 The 90 kD N-terminal domain of ankyrin contains a series of 24 33-amino-acid ank repeats. (Lux *et al.*, *Nature* (1990) 344:36-42, Lambert *et al.*, *PNAS USA* (1990) 87:1730.) The 24 ank repeats form four folded subdomains of 6 repeats each. These four repeat subdomains mediate interactions with at least 7 different families of membrane proteins. Ankyrin contains two separate binding sites for anion exchanger dimers. One site utilizes
- 25 repeat subdomain two (repeats 7-12) and the other requires both repeat subdomains 3 and 4 (repeats 13-24). Since the anion exchangers exist in dimers, ankyrin binds 4 anion exchangers at the same time (Michaely and Bennett, *J. Biol. Chem.* (1995) 270(37):22050). The repeat motifs are involved in ankyrin interaction with tubulin, spectrin, and other membrane proteins. (Lux *et al.*, *Nature* (1990) 344:36.)

- 30 The Rel/NF-kappaB/Dorsal family of transcription factors have activity that is controlled by sequestration in the cytoplasm in association with inhibitory proteins referred to as I-kappaB. (Gilmore, *Cell* (1990) 62:841; Nolan and Baltimore, *Curr Opin Genet Dev.* (1992) 2:211; Baeuerle, *Biochim Biophys Acta* (1991) 1072:63; Schmitz *et al.*, *Trends Cell*

Biol. (1991) 1:130.) I-kappaB proteins contain 5 to 8 copies of 33 amino acid ankyrin repeats and certain NF-kappaB/rel proteins are also regulated by cis-acting ankyrin repeat containing domains including p105NF-kappaB which contains a series of ankyrin repeats (Diehl and Hannink, *J. Virol.* (1993) 67(12):7161). The I-kappaBs and Cactus (also
 5 containing ankyrin repeats) inhibit activators through differential interactions with the Rel-homology domain. The gene family includes proto-oncogenes, thus broadly implicating I-kappaB in the control of both normal gene expression and the aberrant gene expression that makes cells cancerous. (Nolan and Baltimore, *Curr Opin Genet Dev.* (1992) 2(2):211-220). In the case of rel/NF-kappaB and pp40/I-kappaB(, both the ankyrin repeats and the
 10 carboxy-terminal domain are required for inhibiting DNA-binding activity and direct association of pp40/I-kappaB(with rel/NF-kappaB protein. The ankyrin repeats and the carboxy-terminal of pp40/I-kappaB(form a structure that associates with the rel homology domain to inhibit DNA binding activity (Inoue *et al.*, *PNAS USA* (1992) 89:4333).

The 4 ankyrin repeats in the amino terminus of the transcription factor subunit
 15 GABP are required for its interaction with the GABP subunit to form a functional high affinity DNA-binding protein. These repeats can be crosslinked to DNA when GABP is bound to its target sequence. (Thompson *et al.*, *Science* (1991) 253:762; LaMarco *et al.*, *Science* (1991) 253:789). Myotrophin, a 12.5 kDa protein having a key role in the initiation of cardiac hypertrophy, comprises ankyrin repeats. The ankyrin repeats are
 20 characteristic of a hairpin-like protruding tip followed by a helix-turn-helix motif. The V-shaped helix-turn-helix of the repeats stack sequentially in bundles and are stabilized by compact hydrophobic cores, whereas the protruding tips are less ordered.

d) Eukaryotic Aspartyl Proteases (asp). Several of the validation sequences, and thus their corresponding sequence within SEQ ID NOS:1-2502, correspond to a sequence
 25 encoding a novel eukaryotic aspartyl protease. Aspartyl proteases, known as acid proteases, (EC 3.4.23.-) are a widely distributed family of proteolytic enzymes (Foltmann B., *Essays Biochem.* (1981) 17:52; Davies D.R., *Annu. Rev. Biophys. Chem.* (1990) 19:189; Rao J.K.M., *et al.*, *Biochemistry* (1991) 30:4663) known to exist in vertebrates, fungi, plants, retroviruses and some plant viruses. Aspartate proteases of eukaryotes are
 30 monomeric enzymes which consist of two domains. Each domain contains an active site centered on a catalytic aspartyl residue. The two domains most probably evolved from the duplication of an ancestral gene encoding a primordial domain. Currently known eukaryotic aspartyl proteases include: 1) Vertebrate gastric pepsins A and C (also known as

gastricsin); 2) Vertebrate chymosin (rennin), involved in digestion and used for making cheese; 3) Vertebrate lysosomal cathepsins D (EC 3.4.23.5) and E (EC 3.4.23.34); 4) Mammalian renin (EC 3.4.23.15) whose function is to generate angiotensin I from angiotensinogen in the plasma; 5) Fungal proteases such as aspergillopepsin A (EC 3.4.23.18), candidapepsin (EC 3.4.23.24), mucoropepsin (EC 3.4.23.23) (mucor rennin), endothiapepsin (EC 3.4.23.22), polyporopepsin (EC 3.4.23.29), and rhizopuspepsin (EC 3.4.23.21); and 6) Yeast saccharopepsin (EC 3.4.23.25) (proteinase A) (gene PEP4). PEP4 is implicated in posttranslational regulation of vacuolar hydrolases; 7) Yeast barrierpepsin (EC 3.4.23.35) (gene BAR1); a protease that cleaves alpha-factor and thus acts as an antagonist of the mating pheromone; and 8) Fission yeast *sxa1* which is involved in degrading or processing the mating pheromones.

Most retroviruses and some plant viruses, such as badnaviruses, encode for an aspartyl protease which is an homodimer of a chain of about 95 to 125 amino acids. In most retroviruses, the protease is encoded as a segment of a polyprotein which is cleaved during the maturation process of the virus. It is generally part of the pol polyprotein and, more rarely, of the gag polyprotein. Because the sequence around the two aspartates of eukaryotic aspartyl proteases and around the single active site of the viral proteases is conserved, a single signature pattern can be used to identify members of both groups of proteases. The consensus pattern is: [LIVMFGAC]-[LIVMTADN]-[LIVFSA]-D-[ST]-G-[STAV]-[STAPDENQ]-x-[LIVMFSTNC]-x-[LIVMFGTA], where D is the active site residue.

e) ATPases Associated with Various Cellular Activities (ATPases). Several of the validation sequences, and thus their corresponding sequence within SEQ ID NOS:1-2502, correspond to a sequence that encodes a novel member of the "ATPases Associated with diverse cellular Activities" (AAA) protein family. The AAA protein family is composed of a large number of ATPases that share a conserved region of about 220 amino acids that contains an ATP-binding site (Froehlich *et al.*, *J. Cell Biol.* (1991) 114:443; Erdmann *et al. Cell* (1991) 64:499; Peters *et al.*, *EMBO J.* (1990) 9:1757; Kunau *et al.*, *Biochimie* (1993) 75:209-224; Confalonieri *et al.*, *BioEssays* (1995) 17:639; <http://yeamob.pci.chemie.uni-tuebingen.de/AAA/Description.html>). The proteins that belong to this family either contain one or two AAA domains.

Proteins containing two AAA domains include: 1) Mammalian and drosophila NSF (N-ethylmaleimide-sensitive fusion protein) and the fungal homolog, SEC18, which are

involved in intracellular transport between the endoplasmic reticulum and Golgi, as well as between different Golgi cisternae; 2) Mammalian transitional endoplasmic reticulum ATPase (previously known as p97 or VCP), which is involved in the transfer of membranes from the endoplasmic reticulum to the golgi apparatus. This ATPase forms a
 5 ring-shaped homooligomer composed of six subunits. The yeast homolog, CDC48, plays a role in spindle pole proliferation; 3) Yeast protein PAS1 essential for peroxisome assembly and the related protein PAS1 from *Pichia pastoris*; 4) Yeast protein AFG2; 5) *Sulfolobus acidocaldarius* protein SAV and *Halobacterium salinarum* cdcH, which may be part of a transduction pathway connecting light to cell division.

10 Proteins containing a single AAA domain include: 1) *Escherichia coli* and other bacteria *ftsH* (or *hflB*) protein. *FtsH* is an ATP-dependent zinc metalloprotease that degrades the heat-shock sigma-32 factor, and is an integral membrane protein with a large cytoplasmic C-terminal domain that contain both the AAA and the protease domains; 2) Yeast protein YME1, a protein important for maintaining the integrity of the mitochondrial
 15 compartment. YME1 is also a zinc-dependent protease; 3) Yeast protein AFG3 (or YTA10). This protein also contains an AAA domain followed by a zinc-dependent protease domain; 4) Subunits from regulatory complex of the 26S proteasome (Hilt *et al.*, *Trends Biochem. Sci.* (1996) 21:96), which is involved in the ATP-dependent degradation of ubiquitinated proteins, which subunits include: a) Mammalian 4 and homologs in other
 20 higher eukaryotes, in yeast (gene YTA5) and fission yeast (gene *mts2*); b) Mammalian 6 (TBP7) and homologs in other higher eukaryotes and in yeast (gene YTA2); c) Mammalian subunit 7 (MSS1) and homologs in other higher eukaryotes and in yeast (gene CIM5 or YTA3); d) Mammalian subunit 8 (P45) and homologs in other higher eukaryotes and in yeast (SUG1 or CIM3 or TBY1) and fission yeast (gene *let1*); e) Other probable subunits
 25 include human TBP1, which influences HIV gene expression by interacting with the virus tat transactivator protein, and yeast YTA1 and YTA6; 5) Yeast protein BCS1, a mitochondrial protein essential for the expression of the Rieske iron-sulfur protein; 6) Yeast protein MSP1, a protein involved in intramitochondrial sorting of proteins; 7) Yeast protein PAS8, and the corresponding proteins PAS5 from *Pichia pastoris* and PAY4 from
 30 *Yarrowia lipolytica*; 8) Mouse protein SKD1 and its fission yeast homolog (SpAC2G11.06); 9) *Caenorhabditis elegans* meiotic spindle formation protein *mei-1*; 10) Yeast protein SAPI' 11) Yeast protein YTA7; and 12) *Mycobacterium leprae* hypothetical protein A2126A.

In general, the AAA domains in these proteins act as ATP-dependent protein clamps (Confalonieri *et al.* (1995) *BioEssays* 17:639). In addition to the ATP-binding 'A' and 'B' motifs, which are located in the N-terminal half of this domain, there is a highly conserved region located in the central part of the domain which was used in the development of the signature pattern. The consensus pattern is: [LIVMT]-x-[LIVMT]-[LIVMF]-x-[GATMC]-[ST]-[NS]-x(4)-[LIVM]-D-x-A-[LIFA]-x-R.

f) Bcl-2 family (Bcl-2). SEQ ID NO:3404, and thus the corresponding sequence it validates, represents a polynucleotide encoding an apoptosis regulator protein of the Bcl-2 family. Active cell suicide (apoptosis) is induced by events such as growth factor withdrawal and toxins. It is controlled by regulators, which have either an inhibitory effect on programmed cell death (anti-apoptotic) or block the protective effect of inhibitors (pro-apoptotic) (Vaux, 1993, *Curr. Biol.* 3:877-878, and White, 1996, *Genes Dev.* 10:2859-2869). Many viruses have found a way of countering defensive apoptosis by encoding their own anti-apoptosis genes, preventing their target cells from dying prematurely.

All proteins belonging to the Bcl-2 family (Reed *et al.*, 1996, *Adv. Exp. Med. Biol.* 406:99-112) contain either a BH1, BH2, BH3, or BH4 domain. All anti-apoptotic proteins contain BH1 and BH2 domains; some of them contain an additional N-terminal BH4 domain (Bcl-2, Bcl-x(L), Bcl-w), which is never seen in pro-apoptotic proteins, except for Bcl-x(S). On the other hand, all pro-apoptotic proteins contain a BH3 domain (except for Bad) necessary for dimerization with other proteins of Bcl-2 family and crucial for their killing activity; some of them also contain BH1 and BH2 domains (Bax, Bak). The BH3 domain is also present in some anti-apoptotic protein, such as Bcl-2 or Bcl-x(L). Proteins that are known to contain these domains are listed below.

1. Vertebrate protein Bcl-2. Bcl-2 blocks apoptosis; it prolongs the survival of hematopoietic cells in the absence of required growth factors and also in the presence of various stimuli inducing cellular death. Two isoforms of bcl-2 (alpha and beta) are generated by alternative splicing. Bcl-2 is expressed in a wide range of tissues at various times during development. It forms heterodimers with the Bax proteins.

2. Vertebrate protein Bcl-x. Two isoforms of Bcl-x (Bcl-x(L) and Bcl-x(S)) are generated by alternative splicing. While the longer product (Bcl-x(L)) can protect a growth-factor-dependent cell line from apoptosis, the shorter form blocks the protective effect of Bcl-2 and Bcl-x(L) and acts as an anti-anti-apoptosis protein.

3. Mammalian protein Bax. Bax blocks the anti-apoptosis ability of Bcl-2 with which

it forms heterodimers. There is no evidence that Bax has any activity in the absence of Bcl-2. Three isoforms of bax (alpha, beta and gamma) are generated by alternative splicing.

4. Mammalian protein Bak, which promotes cell death and counteracts the protection from apoptosis provided by Bcl-2.
5. Mammalian protein Bcl-w, which promotes cell survival.
6. Mammalian protein bad, which promotes cell death, and counteracts the protection from apoptosis provided by Bcl-x(L), but not that of Bcl-2.
7. Human protein Bik, which promotes cell death, but cannot counteract the protection from apoptosis provided by Bcl-2.
8. Mouse protein Bid, which induces caspases and apoptosis, and counteracts the protection from apoptosis provided by Bcl-2.
9. Human induced myeloid leukemia cell differentiation protein MCL1. MCL1 is probably involved in programming of differentiation and concomitant maintenance of viability but not proliferation. Its expression increases early during phorbol ester induced differentiation in myeloid leukemia cell line ML-1.
10. Mouse hemopoietic-specific early response protein A1.
11. Mammalian activator of apoptosis Harakiri (Inohara et al., 1997, EMBO J. 16:1686-1694) (also known as neuronal death protein Dp5). This is a small protein of 92 residues that activates apoptosis. It contains a BH3 domain, but no BH1, BH2 or BH4 domains.

The following consensus patterns have been developed for the four BH domains:

- 1) [LVME]-[FT]-x-[GSD]-[GL]-x(1,2)-[NS]-[YW]-G-R-[LIV]-[LIVC]-[GAT]-[LIVMF](2)-x-F-[GSAE]-[GSARY]
- 2) W-[LIM]-x(3)-[GR]-G-[WQ]-[DENSAV]-x-[FLGA]-[LIVFTC]
- 3) [LIVAT]-x(3)-L-[KARQ]-x-[IVAL]-G-D-[DESG]-[LIMFV]-[DENS HQ]-[LVSHRQ]-[NSR]
- 4) [DS]-[NT]-R-[AE]-[LI]-V-x-[KD]-[FY]-[LIV]-[GHS]-Y-K-L-[SR]-Q-[RK]-G-[HY]-x-[CW].

- g) Bromodomain (bromodomain). SEQ ID NOS:4036 and 4489, and thus the corresponding sequences they validate, represent polynucleotides encoding a polypeptide having a bromodomain region (Haynes et al., 1992, Nucleic Acids Res. 20:2693-2603, Tamkun et al., 1992, Cell 68:561-572, and Tamkun, 1995, Curr. Opin. Genet. Dev. 5:473-

477), which is a conserved region of about 70 amino acids found in the following proteins:

1) Higher eukaryotes transcription initiation factor TFIID 250 Kd subunit (TBP-associated factor p250) (gene CCG1); P250 is associated with the TFIID TATA-box binding protein and seems essential for progression of the G1 phase of the cell cycle. 2) Human RING3, a
 5 protein of unknown function encoded in the MHC class II locus; 3) Mammalian CREB-binding protein (CBP), which mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein; 4) Mammalian homologs of brahma, including three brahma-like human: SNF2a(hBRM), SNF2b, and BRG1; 5) Human BS69, a protein that binds to adenovirus E1A and inhibits E1A transactivation; 6) Human peregrin (or Br140).

10 The bromodomain is thought to be involved in protein-protein interactions and may be important for the assembly or activity of multicomponent complexes involved in transcriptional activation. The consensus pattern, which spans a major part of the bromodomain, is: [STANVF]-x(2)-F-x(4)-[DNS]-x(5,7)-[DENQTF]-Y-[HFY]-x(2)-[LIVMFY]-x(3)-[LIVM]-x(4)-[LIVM]-x(6,8)-Y-x(12,13)-[LIVM]-x(2)-N-[SACF]-x(2)-
 15 [FY].

h) Basic Region Plus Leucine Zipper Transcription Factors (BZIP). SEQ ID NO:3408, 2951, and 4850, and thus the corresponding sequences these sequences validate, represent polynucleotides encoding a novel member of the family of basic region plus leucine zipper transcription factors. The bZIP superfamily (Hurst, *Protein Prof.* (1995)
 20 2:105; and Ellenberger, *Curr. Opin. Struct. Biol.* (1994) 4:12) of eukaryotic DNA-binding transcription factors encompasses proteins that contain a basic region mediating sequence-specific DNA-binding followed by a leucine zipper required for dimerization. Members of the family include transcription factor AP-1, which binds selectively to enhancer elements in the cis control regions of SV40 and metallothionein IIA. AP-1, also known as c-jun, is
 25 the cellular homolog of the avian sarcoma virus 17 (ASV17) oncogene v-jun.

Other members of this protein family include jun-B and jun-D, probable transcription factors that are highly similar to jun/AP-1; the fos protein, a proto-oncogene that forms a non-covalent dimer with c-jun; the fos-related proteins fra-1, and fos B; and mammalian cAMP response element (CRE) binding proteins CREB, CREM, ATF-1, ATF-3, ATF-4,
 30 ATF-5, ATF-6 and LRF-1. The consensus pattern for this protein family is: [KR]-x(1,3)-[RKSAQ]-N-x(2)-[SAQ](2)-x-[RKTAENQ]-x-R-x-[RK].

i) Cyclins (cyclin). SEQ ID NOS:3618, 3895, and 4536, and thus the corresponding sequences these sequences validate, represent polynucleotides encoding

cyclins, and SEQ ID NO:55 and 56, respectively, show the corresponding full-length polynucleotides. SEQ ID NO:57 and 58 show, respectively, the translations of SEQ ID NO:55 and 56. Cyclins (Nurse, 1990, *Nature* 344:503-508; Norbury et al., 1991, *Curr. Biol.* 1:23-24; and Lew et al., 1992, *Trends Cell Biol.* 2:77-81) are eukaryotic proteins that play an active role in controlling nuclear cell division cycles. There are two main groups of cyclins. G2/M cyclins are essential for the control of the cell cycle at the G2/M (mitosis) transition. G2/M cyclins accumulate steadily during G2 and are abruptly destroyed as cells exit from mitosis (at the end of the M-phase). G1/S cyclins are essential for the control of the cell cycle at the G1/S (start) transition.

The best conserved region is in the central part of the cyclins' sequences, known as the "cyclin-box," from which a 32 residue consensus pattern was derived: R-x(2)-[LIVMSA]-x(2)-[FYWS]-[LIVM]-x(8)-[LIVMFC]-x(4)-[LIVMFYA]-x(2)-[STAGC]-[LIVMFYQ]-x-[LIVMFYC]-[LIVMFY]-D-[RKH]-[LIVMFYW].

j) Eukaryotic thiol (cysteine) proteases active sites (Cys-protease). SEQ ID NOS:3344, 3684, 3688, and 4801, and thus also the sequences they validate, represent polynucleotides encoding proteins having a eukaryotic thiol (cysteine) protease active site. Eukaryotic thiol proteases (Dufour E., *Biochimie* (1988) 70:1335); are a family of proteolytic enzymes which contain an active site cysteine. Catalysis proceeds through a thioester intermediate and is facilitated by a nearby histidine side chain; an asparagine completes the essential catalytic triad. The proteases that belong to this family are:

- 1) vertebrate lysosomal cathepsins B (Kirschke H., et al., *Protein Prof.* (1995) 2:1587-1643);
- 2) vertebrate lysosomal dipeptidyl peptidase I (also known as cathepsin C) (Kirschke H., et al., *supra*);
- 3) vertebrate calpains (Calpains are intracellular calcium-activated thiol protease that contain both an N-terminal catalytic domain and a C-terminal calcium-binding domain);
- 4) mammalian cathepsin K, which seems involved in osteoclastic bone resorption (Shi G.-P., et al., *FEBS Lett.* (1995) 357:129);
- 5) human cathepsin O ([4] Velasco G., Ferrando A.A., Puente X.S., Sanchez L.M., Lopez-Otin C. *J. Biol. Chem.* (1994) 269:27136);
- 6) bleomycin hydrolase (which catalyzes the inactivation of the antitumor drug BLM (a glycopeptide));
- 7) Plant enzymes such as: barley aleurain, EP-B1/B4; kidney bean EP-C1, rice bean SH-EP; kiwi fruit actinidin; papaya latex papain, chymopapain, caricain, and proteinase IV; pea turgor-responsive protein 15A; pineapple stem bromelain; rape COT44; rice oryzain alpha, beta, and gamma; tomato low-temperature induced, *Arabidopsis thaliana* A494, RD19A and RD21A; 8) - House-dust

- mites allergens DerP1 and EurM1; 9) cathepsin B-like proteinases from the worms *Caenorhabditis elegans* (genes gcp-1, cpr-3, cpr-4, cpr-5 and cpr-6), *Schistosoma mansoni* (antigen SM31) and *Japonica* (antigen SJ31), *Haemonchus contortus* (genes AC-1 and AC-2), and *Ostertagia ostertagi* (CP-1 and CP-3); 10) slime mold cysteine proteinases CP1 and CP2; 11) cruzipain from *Trypanosoma cruzi* and *brucei*; 12) throphozoite cysteine proteinase (TCP) from various *Plasmodium* species; 13) proteases from *Leishmania mexicana*, *Theileria annulata* and *Theileria parva*; 14) Baculoviruses cathepsin-like enzyme (v-cath); 15) *Drosophila* small optic lobes protein (gene sol), a neuronal protein that contains a calpain-like domain; 16) yeast thiol protease BLH1/YCP1/LAP3;
- 10 17) *Caenorhabditis elegans* hypothetical protein C06G4.2, a calpain-like protein.

In addition, two bacterial peptidases are also part of this family: 1) aminopeptidase C from *Lactococcus lactis* (gene pepC) (Chapot-Chartier M.P., et al., *Appl. Environ. Microbiol.* (1993) 59:330); and 2) thiol protease tpr from *Porphyromonas gingivalis*. Three other proteins are structurally related to this family, but may have lost their proteolytic activity. These include: 1) soybean oil body protein P34 (which has its active site cysteine replaced by a glycine); 2) rat testin (which is a sertoli cell secretory protein highly similar to cathepsin L but with the active site cysteine is replaced by a serine); and 3) *Plasmodium falciparum* serine-repeat protein (SERA) (which is the major blood stage antigen and possesses a C-terminal thiol-protease-like domain (Higgins D.G., et al., *Nature* (1989) 20 340:604), with the active site cysteine is replaced by a serine).

The sequences around the three active site residues are well conserved and can be used as signature patterns:

Consensus pattern #1: Q-x(3)-[GE]-x-C-[YW]-x(2)-[STAGC]-[STAGCV] (where C is the active site residue)

25 Consensus pattern #2: [LIVMGSTAN]-x-H-[GSACE]-[LIVM]-x-[LIVMAT](2)-G-x-[GSADNH] (where H is the active site residue);

Consensus pattern #3: [FYCH]-[WI]-[LIVT]-x-[KRQAG]-N-[ST]-W-x(3)-[FYW]-G-x(2)-G-[LFYW]-[LIVMFY]-x-[LIVMF] (where N is the active site residue).

k) Phorbol Esters/Diacylglycerol Binding (DAG_PE_bind). SEQ ID NO:4659, and thus the sequence it validates, represents a polynucleotide encoding a protein belonging to the family including phorbol esters/diacylglycerol binding proteins. Diacylglycerol (DAG) is an important second messenger. Phorbol esters (PE) are analogues of DAG and potent tumor promoters that cause a variety of physiological changes when administered to both

cells and tissues. DAG activates a family of serine/threonine protein kinases, collectively known as protein kinase C (PKC) (Azzi *et al.*, *Eur. J. Biochem.* (1992) 208:547). Phorbol esters can directly stimulate PKC. The N-terminal region of PKC, known as C1, has been shown (Ono *et al.*, *Proc. Natl. Acad. Sci. USA* (1989) 86:4868) to bind PE and DAG in a phospholipid and zinc-dependent fashion. The C1 region contains one or two copies (depending on the isozyme of PKC) of a cysteine-rich domain about 50 amino-acid residues long and essential for DAG/PE-binding. Such a domain has also been found in, for example, the following proteins.

(1) Diacylglycerol kinase (EC 2.7.1.107) (DGK) (Sakane *et al.*, *Nature* (1990) 344:345), the enzyme that converts DAG into phosphatidate. It contains two copies of the DAG/PE-binding domain in its N-terminal section. At least five different forms of DGK are known in mammals; and

(2) N-chimaerin, a brain specific protein which shows sequence similarities with the BCR protein at its C-terminal part and contains a single copy of the DAG/PE-binding domain at its N-terminal part. It has been shown (Ahmed *et al.*, *Biochem. J.* (1990) 272:767, and Ahmed *et al.*, *Biochem. J.* (1991) 280:233) to be able to bind phorbol esters.

The DAG/PE-binding domain binds two zinc ions; the ligands of these metal ions are probably the six cysteines and two histidines that are conserved in this domain. The signature pattern completely spans the DAG/PE domain. The consensus pattern is: H-x-[LIVMFYW]-x(8,11)-C-x(2)-C-x(3)-[LIVMFC]-x(5,10)-C-x(2)-C-x(4)-[HD]-x(2)-C-x(5,9)-C. All the C and H are probably involved in binding zinc.

1) DEAD and DEAH box families ATP-dependent helicases signatures
(Dead box helic). SEQ ID NOS:4821 and 5083, and thus the sequences they validate, represent polynucleotides encoding a novel member of the DEAD box family. A number of eukaryotic and prokaryotic proteins have been characterized (Schmid S.R., *et al.*, *Mol. Microbiol.* (1992) 6:283; Linder P., *et al.*, *Nature* (1989) 337:121; Wassarman D.A., *et al.*, *Nature* (1991) 349:463) on the basis of their structural similarity. All are involved in ATP-dependent, nucleic-acid unwinding. Proteins currently known to belong to this family are:

1) Initiation factor eIF-4A. Found in eukaryotes, this protein is a subunit of a high molecular weight complex involved in 5'cap recognition and the binding of mRNA to ribosomes. It is an ATP-dependent RNA-helicase.

2) PRP5 and PRP28. These yeast proteins are involved in various ATP-requiring steps of the pre-mRNA splicing process.

- 3) P110, a mouse protein expressed specifically during spermatogenesis.
- 4) An3, a *Xenopus* putative RNA helicase, closely related to P110.
- 5) SPP81/DED1 and DBP1, two yeast proteins involved in pre-mRNA splicing and related to P110.
- 5 6) *Caenorhabditis elegans* helicase glh-1.
- 7) MSS116, a yeast protein required for mitochondrial splicing.
- 8) SPB4, a yeast protein involved in the maturation of 25S ribosomal RNA.
- 9) p68, a human nuclear antigen. p68 has ATPase and DNA-helicase activities in vitro. It is involved in cell growth and division.
- 10 10) Rm62 (p62), a *Drosophila* putative RNA helicase related to p68.
- 11) DBP2, a yeast protein related to p68.
- 12) DHH1, a yeast protein.
- 13) DRS1, a yeast protein involved in ribosome assembly.
- 14) MAK5, a yeast protein involved in maintenance of dsRNA killer plasmid.
- 15 15) ROK1, a yeast protein.
- 16) ste13, a fission yeast protein.
- 17) Vasa, a *Drosophila* protein important for oocyte formation and specification of embryonic posterior structures.
- 18) Me31B, a *Drosophila* maternally expressed protein of unknown function.
- 20 19) dbpA, an *Escherichia coli* putative RNA helicase.
- 20) deaD, an *Escherichia coli* putative RNA helicase which can suppress a mutation in the rpsB gene for ribosomal protein S2.
- 21) rhlB, an *Escherichia coli* putative RNA helicase.
- 22) rhlE, an *Escherichia coli* putative RNA helicase.
- 25 23) rmB, an *Escherichia coli* protein that shows RNA-dependent ATPase activity, which interacts with 23S ribosomal RNA.
- 24) *Caenorhabditis elegans* hypothetical proteins T26G10.1, ZK512.2 and ZK686.2.
- 25) Yeast hypothetical protein YHR065c.
- 30 26) Yeast hypothetical protein YHR169w.
- 27) Fission yeast hypothetical protein SpAC31A2.07c.
- 28) *Bacillus subtilis* hypothetical protein yxiN.

All of the above proteins share a number of conserved sequence motifs. Some of them are specific to this family while others are shared by other ATP-binding proteins or by proteins belonging to the helicases 'superfamily' (Hodgman T.C., *Nature* (1988) 333:22 and *Nature* (1988) 333:578 (Errata);

- 5 http://www.expasy.ch/www/linder/HELICASES_TEXT.html). One of these motifs, called the 'D-E-A-D-box', represents a special version of the B motif of ATP-binding proteins. Some other proteins belong to a subfamily which have His instead of the second Asp and are thus said to be 'D-E-A-H-box' proteins (Wassarman D.A., et al., *Nature* (1991) 349:463; Harosh I., et al., *Nucleic Acids Res.* (1991) 19:6331; Koonin E.V., et al., *J. Gen.*
10 *Virol.* (1992) 73:989; http://www.expasy.ch/www/linder/HELICASES_TEXT.html).

Proteins currently known to belong to this DEAH subfamily are:

- 1) PRP2, PRP16, PRP22 and PRP43. These yeast proteins are all involved in various ATP-requiring steps of the pre-mRNA splicing process. 2) Fission yeast prh1, which may be involved in pre-mRNA splicing. 3) Male-less (mle), a *Drosophila* protein
15 required in males, for dosage compensation of X chromosome linked genes. 4) RAD3 from yeast. RAD3 is a DNA helicase involved in excision repair of DNA damaged by UV light, bulky adducts or cross-linking agents. Fission yeast rad15 (rhp3) and mammalian DNA excision repair protein XPD (ERCC-2) are the homologs of RAD3. 5) Yeast CHL1 (or CTF1), which is important for chromosome transmission and normal cell cycle
20 progression in G(2)/M. 6) Yeast TPS1. 7) Yeast hypothetical protein YKL078w. 8) *Caenorhabditis elegans* hypothetical proteins C06E1.10 and K03H1.2. 9) Poxviruses' early transcription factor 70 Kd subunit which acts with RNA polymerase to initiate transcription from early gene promoters. 10) I8, a putative vaccinia virus helicase. 11) hrpA, an *Escherichia coli* putative RNA helicase.

- 25 The following signature patterns are used to identify member for both subfamilies:

Consensus pattern: [LIVMF](2)-D-E-A-D-[RKEN]-x-[LIVMFYGSTN]

Consensus pattern: [GSAH]-x-[LIVMF](3)-D-E-[ALIV]-H-[NECR].

- m) EF Hand (EFhand). Several of the validation sequences, and thus the sequences they validate, correspond to polynucleotides encoding a novel protein in the family of EF-
30 hand proteins. Many calcium-binding proteins belong to the same evolutionary family and share a type of calcium-binding domain known as the EF-hand (Kawasaki *et al.*, *Protein. Prof.* (1995) 2:305-490). This type of domain consists of a twelve residue loop flanked on both sides by a twelve residue alpha-helical domain. In an EF-hand loop the calcium ion is

coordinated in a pentagonal bipyramidal configuration. The six residues involved in the binding are in positions 1, 3, 5, 7, 9 and 12; these residues are denoted by X, Y, Z, -Y, -X and -Z. The invariant Glu or Asp at position 12 provides two oxygens for liganding Ca (bidentate ligand).

5 Proteins known to contain EF-hand regions include: Calmodulin (Ca=4, except in yeast where Ca=3) ("Ca=" indicates approximate number of EF-hand regions); diacylglycerol kinase (EC 2.7.1.107) (DGK) (Ca=2); 2) FAD-dependent glycerol-3-phosphate dehydrogenase (EC 1.1.99.5) from mammals (Ca=1); guanylate cyclase activating protein (GCAP) (Ca=3); MIF related proteins 8 (MRP-8 or CFAG) and 14
10 (MRP-14) (Ca=2); myosin regulatory light chains (Ca=1); oncomodulin (Ca=2); osteonectin (basement membrane protein BM-40) (SPARC); and proteins that contain an "osteonectin" domain (QR1, matrix glycoprotein SC1).

The consensus pattern includes the complete EF-hand loop as well as the first residue which follows the loop and which seem to always be hydrophobic: D-x-[DNS]-
15 {ILVFYW}-[DENSTG]-[DNQGHRK]-{GP}-[LIVMC]-[DENQSTAGC]-x(2)-[DE]-[LIVMFYW].

n) Ets Domain (Ets Nterm). SEQ ID NO:2849, and thus the sequence it validates, represents a polynucleotide encoding a polypeptide with N-terminal homology in ETS domain. Proteins of this family contain a conserved domain, the "ETS-domain," that is
20 involved in DNA binding. The domain appears to recognize purine-rich sequences; it is about 85 to 90 amino acids in length, and is rich in aromatic and positively charged residues (Wasylyk, et al., , *Eur. J. Biochem.* (1993) 211:718).

The *ets* gene family encodes a novel class of DNA-binding proteins, each of which binds a specific DNA sequence. These proteins comprise an *ets* domain that specifically
25 interacts with sequences containing the common core tri-nucleotide sequence GGA. In addition to an *ets* domain, native *ets* proteins comprise other sequences which can modulate the biological specificity of the protein. *Ets* genes and proteins are involved in a variety of essential biological processes including cell growth, differentiation and development, and three members are implicated in oncogenic process.

30 o) Type II fibronectin collagen-binding domain (FntypeII). A few of the validation sequences, and thus the sequences they validate, represent polynucleotides encoding a polypeptide having a type II fibronectin collagen binding domain. Fibronectin is a plasma protein that binds cell surfaces and various compounds including collagen, fibrin, heparin,

DNA, and actin. The major part of the sequence of fibronectin consists of the repetition of three types of domains, which are called type I, II, and III (Skorstengaard K., et al., *Eur. J. Biochem.* (1986) 161:441). Type II domain is approximately forty residues long, contains four conserved cysteines involved in disulfide bonds and is part of the collagen-binding region of fibronectin. In fibronectin the type II domain is duplicated. Type II domains have also been found in the following proteins: 1) blood coagulation factor XII (Hageman factor) (1 copy); 2) bovine seminal plasma proteins PDC-109 (BSP-A1/A2) and BSP-A3 (Seidah N.G., et al., *Biochem. J.* (1987) 243:195. (twice); 3) cation-independent mannose-6-phosphate receptor (which is also the insulin-like growth factor II receptor) Kornfeld S., *Annu. Rev. Biochem.* (1992) 61:307) (1 copy); 4) Mannose receptor of macrophages (Taylor M.E., et al., *J. Biol. Chem.* (1990) 265:12156) (1 copy); 5) 180 Kd secretory phospholipase A2 receptor (1 copy) Lambeau G., et al., *J. Biol. Chem.* (1994) 269:1575; 6) DEC-205 receptor (1 copy); 6) Jiang W., et al., *Nature* (1995) 375:151; 7) 72 Kd type IV collagenase (EC 3.4.24.24) (MMP-2) (Collier I.E., et al., *J. Biol. Chem.* (1988) 263:6579) (3 copies); 7) 92 Kd type IV collagenase (EC 3.4.24.24) (MMP-9) (3 copies); 8) Hepatocyte growth factor activator (Miyazawa K., et al., *J. Biol. Chem.* (1993) 268:10024) (1 copy).

A schematic representation of the position of the invariant residues and the topology of the disulfide bonds in fibronectin type II domain is shown below:

xxCxxPFx#xxxxxxxCxxxxxxxxWCxxxx#xxx#x#Cxx

where 'C' represents the conserved cysteine involved in a disulfide bond and '#' represents a large hydrophobic residue. The consensus pattern for identifying members of this family, which pattern spans this entire domain, is: C-x(2)-P-F-x-[FYWI]-x(7)-C-x(8,10)-W-C-x(4)-[DNSR]-[FYW]-x(3,5)-[FYW]-x-[FYWI]-C (where the four C's are involved in disulfide bonds).

p) G-Protein Alpha Subunit (G-alpha). Several of the validation sequences, and thus the sequences they validate, correspond to a gene encoding a novel polypeptide of the G-protein alpha subunit family. Guanine nucleotide binding proteins (G-proteins) are a family of membrane-associated proteins that couple extracellularly-activated integral-membrane receptors to intracellular effectors, such as ion channels and enzymes that vary the concentration of second messenger molecules. G-proteins are composed of 3 subunits (alpha, beta and gamma) which, in the resting state, associate as a trimer at the inner face of

the plasma membrane. The alpha subunit has a molecule of guanosine diphosphate (GDP) bound to it. Stimulation of the G-protein by an activated receptor leads to its exchange for GTP (guanosine triphosphate). This results in the separation of the alpha from the beta and gamma subunits, which always remain tightly associated as a dimer. Both the alpha and beta-gamma subunits are then able to interact with effectors, either individually or in a cooperative manner. The intrinsic GTPase activity of the alpha subunit hydrolyses the bound GTP to GDP. This returns the alpha subunit to its inactive conformation and allows it to reassociate with the beta-gamma subunit, thus restoring the system to its resting state.

G-protein alpha subunits are 350-400 amino acids in length and have molecular weights in the range 40-45 kDa. Seventeen distinct types of alpha subunit have been identified in mammals. These fall into 4 main groups on the basis of both sequence similarity and function: alpha-s, alpha-q, alpha-i and alpha-12 (Simon *et al.*, *Science* (1993) 252:802). Many alpha subunits are substrates for ADP-ribosylation by cholera or pertussis toxins. They are often N-terminally acylated, usually with myristate and/or palmitoylate, and these fatty acid modifications are probably important for membrane association and high-affinity interactions with other proteins. The atomic structure of the alpha subunit of the G-protein involved in mammalian vision, transducin, has been elucidated in both GTP- and GDB-bound forms, and shows considerable similarity in both primary and tertiary structure in the nucleotide-binding regions to other guanine nucleotide binding proteins, such as p21-ras and EF-Tu.

q) Helicases conserved C-terminal domain (helicase C). SEQ ID NOS:2503, 4469, and 5020, and thus the sequences they validate, represent polynucleotides encoding novel members of the DEAD/H helicase family. The DEAD and DEAH families are described above.

r) Homeobox domain (homeobox). SEQ ID NO:4241, and thus the sequence it validates, represents a polynucleotide encoding a protein having a homeobox domain. The 'homeobox' is a protein domain of 60 amino acids (Gehring In: Guidebook to the Homeobox Genes, Duboule D., Ed., pp1-10, Oxford University Press, Oxford, (1994); Buerklin In: Guidebook to the Homeobox Genes, pp25-72, Oxford University Press, Oxford, (1994); Gehring *Trends Biochem. Sci.* (1992) 17:277-280; Gehring *et al Annu. Rev. Genet.* (1986) 20:147-173; Schofield *Trends Neurosci.* (1987) 10:3-6; <http://copan.bioz.unibas.ch/homeo.html>) first identified in number of Drosophila homeotic and segmentation proteins. It is extremely well conserved in many other animals, including vertebrates. This domain

binds DNA through a helix-turn-helix type of structure. Several proteins that contain a homeobox domain play an important role in development. Most of these proteins are sequence-specific DNA-binding transcription factors. The homeobox domain is also very similar to a region of the yeast mating type proteins. These are sequence-specific DNA-binding proteins that act as master switches in yeast differentiation by controlling gene expression in a cell type-specific fashion.

A schematic representation of the homeobox domain is shown below. The helix-turn-helix region is shown by the symbols 'H' (for helix), and 't' (for turn).

[illegible]

The pattern detects homeobox sequences 24 residues long and spans positions 34 to 57 of the homeobox domain. The consensus pattern is as follows: [LIVMFYVG]-[ASLVR]-x(2)-[LIVMSTACN]-x-[LIVM]-x(4)-[LIV]-[RKNQESTAIY]-[LIVFSTNKH]-W-[FYVC]-x-[NDQTAH]-x(5)-[RKNAIMW].

x) MAP kinase kinase (mkk). Several validation sequences, and thus the sequences they validate, represent novel members of the MAP kinase kinase family. MAP kinases (MAPK) are involved in signal transduction, and are important in cell cycle and cell growth controls. The MAP kinase kinases (MAPKK) are dual-specificity protein kinases which phosphorylate and activate MAP kinases. MAPKK homologues have been found in yeast, invertebrates, amphibians, and mammals. Moreover, the MAPKK/MAPK phosphorylation switch constitutes a basic module activated in distinct pathways in yeast and in vertebrates. MAPKK regulation studies have led to the discovery of at least four MAPKK convergent pathways in higher organisms. One of these is similar to the yeast pheromone response pathway which includes the *ste11* protein kinase. Two other pathways require the activation of either one or both of the serine/threonine kinase-encoded oncogenes c-Raf-1 and c-Mos. Additionally, several studies suggest a possible effect of the cell cycle control regulator cyclin-dependent kinase 1 (*cdc2*) on MAPKK activity. Finally, MAPKKs are apparently essential transducers through which signals must pass before reaching the nucleus. For review, see, e.g., Biologie *Biol Cell* (1993) 79:193-207; Nishida *et al.*, *Trends Biochem Sci* (1993) 18:128-31; Ruderman *Curr Opin Cell Biol* (1993) 5:207-13; Dhanasekaran *et al.*, *Oncogene* (1998) 17:1447-55; Kiefer *et al.*, *Biochem Soc Trans* (1997) 25:491-8; and Hill, *Cell Signal* (1996) 8:533-44.

y) 3'5'-cyclic nucleotide phosphodiesterases signature (PDEase). SEQ ID NO:4482, and thus the sequence it validates, represents a polynucleotide encoding a novel 3'5'-cyclic nucleotide phosphodiesterases (PDEases). PDEases catalyze the hydrolysis of cAMP or cGMP to the corresponding nucleoside 5' monophosphates (Charbonneau H., et al, *Proc. Natl. Acad. Sci. U.S.A.* (1986) 83:9308). There are at least seven different subfamilies of PDEases (Beavo J.A., et al., *Trends Pharmacol. Sci.* (1990) 11:150; <http://weber.u.washington.edu/~pde/>: 1) Type 1, calmodulin/calcium-dependent PDEases; 2) Type 2, cGMP-stimulated PDEases; 3) Type 3, cGMP-inhibited PDEases; 4) Type 4, cAMP-specific PDEases.; 5) Type 5, cGMP-specific PDEases; 6) Type 6, rhodopsin-sensitive cGMP-specific PDEases; and 7) Type 7, High affinity cAMP-specific PDEases.

All PDEase forms share a conserved domain of about 270 residues. The signature pattern is determined from a stretch of 12 residues that contains two conserved histidines: H-D-[LIVMFY]-x-H-x-[AG]-x(2)-[NQ]-x-[LIVMFY].

z) Protein Kinase (protkinase). Several validation sequences, and thus the sequences they validate, represent polynucleotides encoding protein kinases. Protein kinases catalyze phosphorylation of proteins in a variety of pathways, and are implicated in cancer. Eukaryotic protein kinases (Hanks S.K., et al., *FASEB J.* (1995) 9:576; Hunter T., *Meth. Enzymol.* (1991) 200:3; Hanks S.K., et al., *Meth. Enzymol.* (1991) 200:38; Hanks S.K., *Curr. Opin. Struct. Biol.* (1991) 1:369; Hanks S.K., et al., *Science* (1988) 241:42) are enzymes that belong to a very extensive family of proteins which share a conserved catalytic core common to both serine/threonine and tyrosine protein kinases. There are a number of conserved regions in the catalytic domain of protein kinases. Two of the conserved regions are the basis for the signature pattern in the protein kinase profile. The first region, which is located in the N-terminal extremity of the catalytic domain, is a glycine-rich stretch of residues in the vicinity of a lysine residue, which has been shown to be involved in ATP binding. The second region, which is located in the central part of the catalytic domain, contains a conserved aspartic acid residue which is important for the catalytic activity of the enzyme (Knighton D.R., et al., *Science* (1991) 253:407). The protein kinase profile includes two signature patterns for this second region: one specific for serine/threonine kinases and the other for tyrosine kinases. A third profile is based on the alignment in (Hanks S.K., et al., *FASEB J.* (1995) 9:576) and covers the entire catalytic domain. The consensus patterns are as follows:

1) Consensus pattern: [LIV]-G-{P}-G-{P}-[FYWMGSTNH]-[SGA]-{PW}-
[LIVCAT]-{PD}-x-[GSTACLIVMFY]-x(5,18)-[LIVMFYWCSTAR]-[AIVP]-
[LIVMFAGCKR]-K, where K binds ATP. The majority of known protein kinases are
5 viral kinases, which are quite divergent in this region and are completely missed by this
pattern.

2) Consensus pattern: [LIVMFYC]-x-[HY]-x-D-[LIVMFY]-K-x(2)-N-
[LIVMFYCT](3), where D is an active site residue. This consensus sequence identifies
most serine/threonine-specific protein kinases with only 10 exceptions. Half of the
10 exceptions are viral kinases, while the other exceptions include Epstein-Barr virus BGLF4
and Drosophila ninaC, which have Ser and Arg, respectively, instead of the conserved Lys.
These latter two protein kinases are detected by the tyrosine kinase specific pattern
described below.

3) Consensus pattern: [LIVMFYC]-x-[HY]-x-D-[LIVMFY]-[RSTAC]-x(2)-N-
15 [LIVMFYC], where D is an active site residue. All tyrosine-specific protein kinases are
detected by this consensus pattern, with the exception of human ERBB3 and mouse blk.
This pattern also detects most bacterial aminoglycoside phosphotransferases (Benner S.,
Nature (1987) 329:21; Kirby R., *J. Mol. Evol.* (1992) 30:489) and herpesviruses
ganciclovir kinases (Littler E., *et al.*, *Nature* (1992) 358:160), which are structurally and
20 evolutionary related to protein kinases.

The protein kinase profile also detects receptor guanylate cyclases and 2-5A-
dependent ribonucleases. Sequence similarities between these two families and the
eukaryotic protein kinase family have been noticed previously. The profile also detects
Arabidopsis thaliana kinase-like protein TMKL1 which seems to have lost its catalytic
25 activity.

If a protein analyzed includes the two of the above protein kinase signatures, the
probability of it being a protein kinase is close to 100%. Eukaryotic-type protein kinases
have also been found in prokaryotes such as Myxococcus xanthus (Munoz-Dorado J., *et*
al., *Cell* (1991) 67:995) and Yersinia pseudotuberculosis. The patterns shown above has
30 been updated since their publication in (Bairoch A., *et al.*, *Nature* (1988) 331:22).

aa Ras family proteins (ras). SEQ IDNO:3671, and thus the sequence it validates,
represent polynucleotides encoding the ras family of small GTP/GDP-binding proteins
(Valencia et al., 1991, *Biochemistry* 30:4637-4648). Ras family members generally require

a specific guanine nucleotide exchange factor (GEF) and a specific GTPase activating protein (GAP) as stimulators of overall GTPase activity. Among ras-related proteins, the highest degree of sequence conservation is found in four regions that are directly involved in guanine nucleotide binding. The first two constitute most of the phosphate and Mg²⁺ binding site (PM site) and are located in the first half of the G-domain. The other two regions are involved in guanosine binding and are located in the C-terminal half of the molecule. Motifs and conserved structural features of the ras-related proteins are described in Valencia et al., 1991, *Biochemistry* 30:4637-4648.

A major consensus pattern of ras proteins is: D-T-A-G-Q-E-K-[LF]-G-G-L-R-[DE]-G-Y-Y.

bb) Thioredoxin family active site (Thioredox). SEQ ID NO:3936, and thus the sequence it validates, represent a polynucleotide encoding a protein having a thioredoxin family active site. Thioredoxins (Holmgren A., *Annu. Rev. Biochem.* (1985) 54:237; Gleason F.K., et al., *FEMS Microbiol. Rev.* (1988) 54:271; Holmgren A. *J. Biol. Chem.* (1989) 264:13963; Eklund H., et al. *Proteins* (1991) 11:13) are small proteins of approximately one hundred amino- acid residues which participate in various redox reactions via the reversible oxidation of an active center disulfide bond. They exist in either a reduced form or an oxidized form where the two cysteine residues are linked in an intramolecular disulfide bond. Thioredoxin is present in prokaryotes and eukaryotes and the sequence around the redox-active disulfide bond is well conserved.

A number of eukaryotic proteins contain domains evolutionary related to thioredoxin, and all of them are protein disulphide isomerases (PDI). PDI (Freedman R.B., et al., *Biochem. Soc. Trans.* (1988) 16:96; Kivirikko K.I., et al., *FASEB J.* (1989) 3:1609; Freedman R.B., et al. *Trends Biochem. Sci.* (1994) 19:331) is an endoplasmic reticulum enzyme that catalyzes the rearrangement of disulfide bonds in various proteins. The various forms of PDI which are currently known are: 1) PDI major isozyme; a multifunctional protein that also function as the beta subunit of prolyl 4-hydroxylase (EC 1.14.11.2), as a component of oligosaccharyl transferase (EC 2.4.1.119), as thyroxine deiodinase, as glutathione-insulin transhydrogenase, and as a thyroid hormone-binding protein; 2) ERp60 (ER-60; 58 Kd microsomal protein), which is a protease; 3) ERp72; and 4) P5.

All PDI contains two or three (ERp72) copies of the thioredoxin domain. The consensus pattern is: [LIVMF]-[LIVMSTA]-x-[LIVMFYC]-[FYWSTHE]-x(2)-

[FYWGTN]-C-[GATPLVE]-[PHYWSTA]-C-x(6)-[LIVMFYWT] (where the two C's form the redox-active bond.

- cc) TNFR/NGFR family cysteine-rich region (TNFR_c6). SEQ ID NO:3927, and thus the sequence it validates, represent a polynucleotide encoding a protein having a
- 5 TNFR/NGFR family cysteine-rich region. A number of proteins, some of which are known to be receptors for growth factors, have been found to contain a cysteine-rich domain of about 110 to 160 amino acids in their N-terminal part, that can be subdivided into four (or in some cases, three) modules of about 40 residues containing 6 conserved cysteines. Proteins known to belong to this family (Mallet S., et al., *Immunol. Today* (1991)
- 10 12:220; Sprang S.R., *Trends Biochem. Sci.* (1990) 15:366; Krammer P.H., et al., *Curr. Biol.* (1992) 2:383; Bazan J.F., *Curr. Biol.* (1993) 3:603) are: 1) Tumor Necrosis Factor type I and type II receptors (TNFR) (Both receptors bind TNF-alpha and TNF-beta, but are only similar in the cysteine-rich region.); 2) Shope fibroma virus soluble TNF receptor (protein T2); 3) Lymphotoxin alpha/beta receptor; 4) Low-affinity nerve growth factor
- 15 receptor (LA-NGFR); 5) CD40 (Bp50), the receptor for the CD40L (or TRAP) cytokine; 6) CD27, the receptor for the CD27L cytokine; 8) CD30, the receptor for the CD30L cytokine; 9) T-cell protein 4-1BB, the receptor for the 4-1BBL putative cytokine; 10) FAS antigen (or APO-1), the receptor for FASL, a protein involved in apoptosis (programmed cell death); 11) T-cell antigen OX40, the receptor for the OX40L cytokine;
- 20 12) Wsl-1, a receptor (for a yet undefined ligand) that mediates apoptosis; 13) Vaccinia virus protein A53 (SalF19R).

The six cysteines all involved in intrachain disulfide bonds (Banner D.W., et al, *Cell* (1993) 73:431). A schematic representation of the structure of the 40 residue module of these receptors is shown below:

25 xCxxxxxxxxxxxxxCxCxxCxxxxxxxxCxxxxCxx

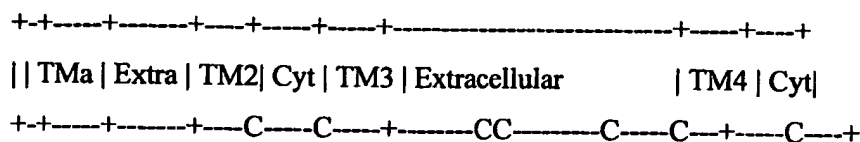
- where 'C' represents the conserved cysteine involved in a disulfide bond. The signature pattern for the cysteine-rich region is based mainly on the position of the six conserved cysteines in each of the repeats: Consensus pattern: C-x(4,6)-[FYH]-x(5,10)-C-x(0,2)-C-x(2,3)-C-x(7,11)-C-x(4,6)-[DNEQSKP]-x(2)-C (where the six C's are involved in disulfide
- 30 bonds).

dd) Four Transmembrane Integral Membrane Proteins (transmembrane4). Several of the validation sequences, and thus the sequences they validate, correspond to a sequence encoding a polypeptide that is a member of the 4 transmembrane segments integral

membrane protein family (transmembrane 4 family). The transmembrane 4 family of proteins includes a number of evolutionarily-related eukaryotic cell surface antigens (Levy *et al.*, *J. Biol. Chem.*, (1991) 266:14597; Tomlinson *et al.*, *Eur. J. Immunol.* (1993) 23:136; Barclay *et al.* The leucocyte antigen factbooks. (1993) Academic Press, London/San Diego). The proteins belonging to this family include: 1) Mammalian antigen CD9 (MIC3), which is involved in platelet activation and aggregation; 2) Mammalian leukocyte antigen CD37, expressed on B lymphocytes; 3) Mammalian leukocyte antigen CD53 (OX-44), which is implicated in growth regulation in hematopoietic cells; 4) Mammalian lysosomal membrane protein CD63 (melanoma-associated antigen ME491; antigen AD1); 5) Mammalian antigen CD81 (cell surface protein TAPA-1), which is implicated in regulation of lymphoma cell growth; 6) Mammalian antigen CD82 (protein R2; antigen C33; Kangai 1 (KAI1)), which associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway; 7) Mammalian antigen CD151 (SFA-1; platelet-endothelial tetraspan antigen 3 (PETA-3)); 8) Mammalian cell surface glycoprotein A15 (TALLA-1; MXS1); 9) Mammalian novel antigen 2 (NAG-2); 10) Human tumor-associated antigen CO-029; 11) *Schistosoma mansoni* and *japonicum* 23 Kd surface antigen (SM23 / SJ23).

The members of the 4 transmembrane family share several characteristics. First, they all are apparently type III membrane proteins, which are integral membrane proteins containing an N-terminal membrane-anchoring domain which is not cleaved during biosynthesis and which functions both as a translocation signal and as a membrane anchor. The family members also contain three additional transmembrane regions, at least seven conserved cysteines residues, and are of approximately the same size (218 to 284 residues). These proteins are collectively known as the "transmembrane 4 superfamily" (TM4) because they span plasma membrane four times.

A schematic diagram of the domain structure of these proteins is as follows:



5

where Cyt is the cytoplasmic domain, TMa is the transmembrane anchor; TM2 to TM4 represents transmembrane regions 2 to 4, 'C' are conserved cysteines, and '*' indicates the position of the consensus pattern. The consensus pattern spans a conserved region including two cysteines located in a short cytoplasmic loop between two transmembrane domains: Consensus pattern: G-x(3)-[LIVMF]-x(2)-[GSA]-[LIVMF](2)-G-C-x-[GA]-[STA]-x(2)-[EG]-x(2)-[CWN]-[LIVM](2).

ee) Trypsin (trypsin). SEQ ID NOS:3381, 4684, and 4688, and thus the sequences they validate, correspond to novel serine proteases of the trypsin family. The catalytic activity of the serine proteases from the trypsin family is provided by a charge relay system involving an aspartic acid residue hydrogen-bonded to a histidine, which itself is hydrogen-bonded to a serine. The sequences in the vicinity of the active site serine and histidine residues are well conserved in this family of proteases (Brenner S., *Nature* (1988) 334:528). Proteases known to belong to the trypsin family include: 1) Acrosin; 2) Blood coagulation factors VII, IX, X, XI and XII, thrombin, plasminogen, and protein C; 3) Cathepsin G; 4) Chymotrypsins; 5) Complement components C1r, C1s, C2, and complement factors B, D and I; 6) Complement-activating component of RA-reactive factor; 7) Cytotoxic cell proteases (granzymes A to H); 8) Duodenase I; 9) Elastases 1, 2, 3A, 3B (protease E), leukocyte (medullasin); 10) Enterokinase (EC 3.4.21.9) (enteropeptidase); 11) Hepatocyte growth factor activator; 12) Hepsin; 13) Glandular (tissue) kallikreins (including EGF-binding protein types A, B, and C, NGF-gamma chain, gamma-renin, prostate specific antigen (PSA) and tonin); 14) Plasma kallikrein; 15) Mast cell proteases (MCP) 1 (chymase) to 8; 16) Myeloblastin (proteinase 3) (Wegener's autoantigen); 17) Plasminogen activators (urokinase-type, and tissue-type); 18) Trypsins I, II, III, and IV; 19) Trypsases; 20) Snake venom proteases such as ancrod, batroxobin, cerastobin, flavoxobin, and protein C activator; 21) Collagenase from common cattle grub and collagenolytic protease from Atlantic sand fiddler crab; 22) Apolipoprotein(a); 23) Blood fluke cercarial protease; 24) Drosophila trypsin like proteases: alpha, easter, snake-locus; 25) Drosophila protease stubble (gene sb); and 26) Major mite fecal allergen Der p

III. All the above proteins belong to family S1 in the classification of peptidases (Rawlings N.D., *et al.*, *Meth. Enzymol.* (1994) 244:19; <http://www.expasy.ch/cgi-bin/lists?peptidas.txt>) and originate from eukaryotic species. It should be noted that bacterial proteases that belong to family S2A are similar enough in the regions of the active site residues that they can be picked up by the same patterns.

The consensus patterns for this trypsin protein family are: 1) [LIVM]-[ST]-A-[STAG]-H-C, where H is the active site residue. All sequences known to belong to this class detected by the pattern, except for complement components C1r and C1s, pig plasminogen, bovine protein C, rodent urokinase, ancrod, gyroxin and two insect trypsins; 2) [DNSTAGC]-[GSTAPIMVQH]-x(2)-G-[DE]-S-G-[GS]-[SAPHV]-[LIVMFYWH]-[LIVMFYSTANQH], where S is the active site residue. All sequences known to belong to this family are detected by the above consensus sequences, except for 18 different proteases which have lost the first conserved glycine. If a protein includes both the serine and the histidine active site signatures, the probability of it being a trypsin family serine protease is 100%.

ff) WD Domain, G-Beta Repeats (WD domain). A few of the validation sequences, and the sequences they validate, represent novel members of the WD domain/G-beta repeat family. Beta-transducin (G-beta) is one of the three subunits (alpha, beta, and gamma) of the guanine nucleotide-binding proteins (G proteins) which act as intermediaries in the transduction of signals generated by transmembrane receptors (Gilman, *Annu. Rev. Biochem.* (1987) 56:615). The alpha subunit binds to and hydrolyzes GTP; the functions of the beta and gamma subunits are less clear but they seem to be required for the replacement of GDP by GTP as well as for membrane anchoring and receptor recognition.

In higher eukaryotes, G-beta exists as a small multigene family of highly conserved proteins of about 340 amino acid residues. Structurally, G-beta consists of eight tandem repeats of about 40 residues, each containing a central Trp-Asp motif (this type of repeat is sometimes called a WD-40 repeat). Such a repetitive segment has been shown to exist in a number of other proteins including: human LIS1, a neuronal protein involved in type-1 lissencephaly; and mammalian coatmer beta' subunit (beta'-COP), a component of a cytosolic protein complex that reversibly associates with Golgi membranes to form vesicles that mediate biosynthetic protein transport.

The consensus pattern for the WD domain/G-Beta repeat family is: [LIVMSTAC]-

[LIVMFYWSTAGC]-[LIMSTAG]-[LIVMSTAGC]-x(2)-[DN]-x(2)-[LIVMWSTAC]-x-[LIVMFSTAG]-W-[DEN]-[LIVMFSTAGCN].

gg) wnt Family of Developmental Signaling Proteins (Wnt_dev_sign). Several of the validation sequences, and thus the sequences they validate, correspond to novel members of the wnt family of developmental signaling proteins. Wnt-1 (previously known as int-1), the seminal member of this family, (Nusse R., *Trends Genet.* (1988) 4:291) is a proto-oncogene induced by the integration of the mouse mammary tumor virus. It is thought to play a role in intercellular communication and seems to be a signalling molecule important in the development of the central nervous system (CNS). The sequence of wnt-1 is highly conserved in mammals, fish, and amphibians. Wnt-1 was found to be a member of a large family of related proteins (Nusse R., *et al.*, *Cell* (1992) 69:1073; McMahon A.P., *Trends Genet.* (1992) 8:1; Moon R.T., *BioEssays* (1993) 15:91) that are all thought to be developmental regulators. These proteins are known as wnt-2 (also known as irp), wnt-3, -3A, -4, -5A, -5B, -6, -7A, -7B, -8, -8B, -9 and -10. At least four members of this family are present in *Drosophila*; one of them, wingless (wg), is implicated in segmentation polarity.

All these proteins share the following features characteristics of secretory proteins: a signal peptide, several potential N-glycosylation sites and 22 conserved cysteines that are probably involved in disulfide bonds. The Wnt proteins seem to adhere to the plasma membrane of the secreting cells and are therefore likely to signal over only few cell diameters. The consensus pattern, which is based upon a highly conserved region including three cysteines, is as follows: C-K-C-H-G-[LIVMT]-S-G-x-C. All sequences known to belong to this family are detected by the provided consensus pattern.

hh) Protein Tyrosine Phosphatase (Y_phosphatase). Several of the validation sequences, and thus the sequences they validate, represent a polynucleotide encoding a protein tyrosine kinase. Tyrosine specific protein phosphatases (EC 3.1.3.48) (PTPase) (Fischer *et al.*, *Science* (1991) 253:401; Charbonneau *et al.*, *Annu. Rev. Cell Biol.* (1992) 8:463; Trowbridge, *J. Biol. Chem.* (1991) 266:23517; Tonks *et al.*, *Trends Biochem. Sci.* (1989) 14:497; and Hunter, *Cell* (1989) 58:1013) catalyze the removal of a phosphate group attached to a tyrosine residue. These enzymes are very important in the control of cell growth, proliferation, differentiation and transformation. Multiple forms of PTPase have been characterized and can be classified into two categories: soluble PTPases and transmembrane receptor proteins that contain PTPase domain(s).

Soluble PTPases include PTPN3 (H1) and PTPN4 (MEG), enzymes that contain an N-terminal band 4.1-like domain and could act at junctions between the membrane and cytoskeleton; PTPN6 (PTP-1C; HCP; SHP) and PTPN11 (PTP-2C; SH-PTP3; Syp), enzymes that contain two copies of the SH2 domain at its N-terminal extremity.

5 Dual specificity PTPases include DUSP1 (PTPN10; MAP kinase phosphatase-1; MKP-1) which dephosphorylates MAP kinase on both Thr-183 and Tyr-185; and DUSP2 (PAC-1), a nuclear enzyme that dephosphorylates MAP kinases ERK1 and ERK2 on both Thr and Tyr residues.

10 Structurally, all known receptor PTPases are made up of a variable length extracellular domain, followed by a transmembrane region and a C-terminal catalytic cytoplasmic domain. Some of the receptor PTPases contain fibronectin type III (FN-III) repeats, immunoglobulin-like domains, MAM domains or carbonic anhydrase-like domains in their extracellular region. The cytoplasmic region generally contains two copies of the PTPase domain. The first seems to have enzymatic activity, while the second is inactive
15 but seems to affect substrate specificity of the first. In these domains, the catalytic cysteine is generally conserved but some other, presumably important, residues are not.

PTPase domains consist of about 300 amino acids. There are two conserved cysteines and the second one has been shown to be absolutely required for activity. Furthermore, a number of conserved residues in its immediate vicinity have also been
20 shown to be important. The consensus pattern for PTPases is: [LIVMF]-H-C-x(2)-G-x(3)-[STC]-[STAGP]-x-[LIVMFY]; C is the active site residue.

ii) Zinc Finger, C2H2 Type (Zincfing C2H2). Several of the validation sequences, and thus the sequences they validate, correspond to polynucleotides encoding novel members of the of the C2H2 type zinc finger protein family. Zinc finger domains (Klug *et al.*, *Trends Biochem. Sci.* (1987) 12:464; Evans *et al.*, *Cell* (1988) 52:1; Payre *et al.*, *FEBS Lett.* (1988) 234:245; Miller *et al.*, *EMBO J.* (1985) 4:1609; and Berg, *Proc. Natl. Acad. Sci. USA* (1988) 85:99) are nucleic acid-binding protein structures first identified in the *Xenopus* transcription factor TFIIIA. These domains have since been found in numerous nucleic acid-binding proteins. A zinc finger domain is composed of 25 to 30 amino acid
30 residues. Two cysteine or histidine residues are positioned at both extremities of the domain, which are involved in the tetrahedral coordination of a zinc atom. It has been proposed that such a domain interacts with about five nucleotides.

Many classes of zinc fingers are characterized according to the number and

positions of the histidine and cysteine residues involved in the zinc atom coordination. In the first class to be characterized, called C2H2, the first pair of zinc coordinating residues are cysteines, while the second pair are histidines. A number of experimental reports have demonstrated the zinc-dependent DNA or RNA binding property of some members of this class.

Mammalian proteins having a C2H2 zipper include (number in parenthesis indicates number of zinc finger regions in the protein): basoonuclin (6), BCL-6/LAZ-3 (6), erythroid krueppel-like transcription factor (3), transcription factors Sp1 (3), Sp2 (3), Sp3 (3) and Sp4 (3), transcriptional repressor YY1 (4), Wilms' tumor protein (4), EGR1/Krox24 (3), EGR2/Krox20 (3), EGR3/Pilot (3), EGR4/AT133 (4), Evi-1 (10), GLI1 (5), GLI2 (4+), GLI3 (3+), HIV-EP1/ZNF40 (4), HIV-EP2 (2), KR1 (9+), KR2 (9), KR3 (15+), KR4 (14+), KR5 (11+), HF.12 (6+), REX-1 (4), ZfX (13), ZfY (13), Zfp-35 (18), ZNF7 (15), ZNF8 (7), ZNF35 (10), ZNF42/MZF-1 (13), ZNF43 (22), ZNF46/Kup (2), ZNF76 (7), ZNF91 (36), ZNF133 (3).

In addition to the conserved zinc ligand residues, it has been shown that a number of other positions are also important for the structural integrity of the C2H2 zinc fingers. (Rosenfeld *et al.*, *J. Biomol. Struct. Dyn.* (1993) 11:557) The best conserved position is found four residues after the second cysteine; it is generally an aromatic or aliphatic residue. The consensus pattern for C2H2 zinc fingers is: C-x(2,4)-C-x(3)-[LIVMFYWC]-x(8)-H-x(3,5)-H. The two C's and two H's are zinc ligands.

jj) Zinc finger, C3HC4 type (RING finger), signature (Zincfinger C3H4). SEQ ID NOS:3774 and 4477, and thus the sequences they validate, represent polynucleotides encoding a polypeptide having a C3HC4 type zinc finger signature. A number of eukaryotic and viral proteins contain this signature, which is primarily a conserved cysteine-rich domain of 40 to 60 residues (Borden K.L.B., et al., *Curr. Opin. Struct. Biol.* (1996) 6:395) that binds two atoms of zinc, and is probably involved in mediating protein-protein interactions. The 3D structure of the zinc ligation system is unique to the RING domain and is referred to as the "cross-brace" motif. The spacing of the cysteines in such a domain is C-x(2)-C-x(9 to 39)-C-x(1 to 3)-H-x(2 to 3)-C-x(2)-C-x(4 to 48)-C-x(2)-C.

Proteins that include the C3HC4 domain include:

1) Mammalian V(D)J recombination activating protein (RAG1). RAG1 activates the rearrangement of immunoglobulin and T-cell receptor genes.

2) Mouse rpt-1. Rpt-1 is a trans-acting factor that regulates gene expression directed

by the promoter region of the interleukin-2 receptor alpha chain or the LTR promoter region of HIV-1.

3) Human rfp. Rfp is a developmentally regulated protein that may function in male germ cell development. Recombination of the N-terminal section of rfp with a protein tyrosine kinase produces the ret transforming protein.

4) Human 52 Kd Ro/SS-A protein. A protein of unknown function from the Ro/SS-A ribonucleoprotein complex. Sera from patients with systemic lupus erythematosus or primary Sjogren's syndrome often contain antibodies that react with the Ro proteins.

5) Human histocompatibility locus protein RING1.

6) Human PML, a probable transcription factor. Chromosomal translocation of PML with retinoic receptor alpha creates a fusion protein which is the cause of acute promyelocytic leukemia (APL).

7) Mammalian breast cancer type 1 susceptibility protein (BRCA1) ([E1] <http://bioinformatics.weizmann.ac.il/hotmolebase/entries/brca1.htm>).

8) Mammalian cbl proto-oncogene.

9) Mammalian bmi-1 proto-oncogene.

10) Vertebrate CDK-activating kinase (CAK) assembly factor MAT1, a protein that stabilizes the complex between the CDK7 kinase and cyclin H (MAT1 stands for 'Menage A Trois').

11) Mammalian mel-18 protein. Mel-18 which is expressed in a variety of tumor cells is a transcriptional repressor that recognizes and binds a specific DNA sequence.

12) Mammalian peroxisome assembly factor-1 (PAF-1) (PMP35), which is somewhat involved in the biogenesis of peroxisomes. In humans, defects in PAF-1 are responsible for a form of Zellweger syndrome, an autosomal recessive disorder associated with peroxisomal deficiencies.

13) Human MAT1 protein, which interacts with the CDK7-cyclin H complex.

14) Human RING1 protein.

15) Xenopus XNF7 protein, a probable transcription factor.

16) Trypanosoma protein ESAG-8 (T-LR), which may be involved in the posttranscriptional regulation of genes in VSG expression sites or may interact with adenylate cyclase to regulate its activity.

17) Drosophila proteins Posterior Sex Combs (Psc) and Suppressor two of zeste

(Su(z)2). The two proteins belong to the Polycomb group of genes needed to maintain the segment-specific repression of homeotic selector genes.

18) *Drosophila* protein male-specific msl-2, a DNA-binding protein which is involved in X chromosome dosage compensation (the elevation of transcription of the male single X chromosome).

19) *Arabidopsis thaliana* protein COP1 which is involved in the regulation of photomorphogenesis.

20) Fungal DNA repair proteins RAD5, RAD16, RAD18 and rad8.

21) Herpesviruses trans-acting transcriptional protein ICP0/IE110. This protein which has been characterized in many different herpesviruses is a trans-activator and/or -repressor of the expression of many viral and cellular promoters.

22) Baculoviruses protein CG30.

23) Baculoviruses major immediate early protein (PE-38).

24) Baculoviruses immediate-early regulatory protein IE-N/IE-2.

25) *Caenorhabditis elegans* hypothetical proteins F54G8.4, R05D3.4 and T02C1.1.

26) Yeast hypothetical proteins YER116c and YKR017c.

The signature pattern for the C3HC4 finger is based on the central region of the domain:

Consensus pattern: C-x-H-x-[LIVMFY]-C-x(2)-C-[LIVMYA].

Example 4: Differential Expression of Polynucleotides of the Invention: Description of Libraries and Detection of Differential Expression

The relative expression levels of the polynucleotides of the invention was assessed in several libraries prepared from various sources, including cell lines and patient tissue samples. Table 4 provides a summary of these libraries, including the shortened library name (used hereafter), the mRNA source used to prepared the cDNA library, the "nickname" of the library that is used in the tables below (in quotes), and the approximate number of clones in the library.

Table 4 Description of cDNA Libraries

Library (lib #)	Description	Number of Clones in this Clustering
1	Km12 L4	

Library (lib #)	Description	Number of Clones in this Clustering
	Human Colon Cell Line, High Metastatic Potential (derived from Km12C) "High Colon"	307133
2	Km12C Human Colon Cell Line, Low Metastatic Potential "Low Colon"	284755
3	MDA-MB-231 Human Breast Cancer Cell Line, High Metastatic Potential; micro-metastases in lung "High Breast"	326937
4	MCF7 Human Breast Cancer Cell, Non Metastatic "Low Breast"	318979
8	MV-522 Human Lung Cancer Cell Line, High Metastatic Potential "High Lung"	223620
9	UCP-3 Human Lung Cancer Cell Line, Low Metastatic Potential "Low Lung"	312503
12	Human microvascular endothelial cells (HMEC) – Untreated PCR (OligodT) cDNA library	41938
13	Human microvascular endothelial cells (HMEC) – Basic fibroblast growth factor (bFGF) treated PCR (OligodT) cDNA library	42100
14	Human microvascular endothelial cells (HMEC) – Vascular endothelial growth factor (VEGF) treated PCR (OligodT) cDNA library	42825
15	Normal Colon – UC#2 Patient PCR (OligodT) cDNA library "Normal Colon Tumor Tissue"	34285
16	Colon Tumor – UC#2 Patient PCR (OligodT) cDNA library "Normal Colon Tumor Tissue"	35625
17	Liver Metastasis from Colon Tumor of UC#2 Patient PCR (OligodT) cDNA library "High Colon Metastasis Tissue"	36984
18	Normal Colon – UC#3 Patient PCR (OligodT) cDNA library "Normal Colon Tumor Tissue"	36216
19	Colon Tumor – UC#3 Patient PCR (OligodT) cDNA library "High Colon Tumor Tissue"	41388
20	Liver Metastasis from Colon Tumor of UC#3 Patient PCR (OligodT) cDNA library "High Colon Metastasis Tissue"	30956

The KM12L4 and KM12C cell lines are described in Example 1 above. The MDA-MB-231 cell line was originally isolated from pleural effusions (Cailleau, *J. Natl. Cancer. Inst.* (1974) 53:661), is of high metastatic potential, and forms poorly differentiated

adenocarcinoma grade II in nude mice consistent with breast carcinoma. The MCF7 cell line was derived from a pleural effusion of a breast adenocarcinoma and is non-metastatic. The MV-522 cell line is derived from a human lung carcinoma and is of high metastatic potential. The UCP-3 cell line is a low metastatic human lung carcinoma cell line; the

5 MV-522 is a high metastatic variant of UCP-3. These cell lines are well-recognized in the art as models for the study of human breast and lung cancer (see, *e.g.*, Chandrasekaran *et al.*, *Cancer Res.* (1979) 39:870 (MDA-MB-231 and MCF-7); Gastpar *et al.*, *J Med Chem* (1998) 41:4965 (MDA-MB-231 and MCF-7); Ranson *et al.*, *Br J Cancer* (1998) 77:1586 (MDA-MB-231 and MCF-7); Kuang *et al.*, *Nucleic Acids Res* (1998) 26:1116 (MDA-MB-

10 231 and MCF-7); Varki *et al.*, *Int J Cancer* (1987) 40:46 (UCP-3); Varki *et al.*, *Tumour Biol.* (1990) 11:327; (MV-522 and UCP-3); Varki *et al.*, *Anticancer Res.* (1990) 10:637; (MV-522); Kelner *et al.*, *Anticancer Res* (1995) 15:867 (MV-522); and Zhang *et al.*, *Anticancer Drugs* (1997) 8:696 (MV522)). The samples of libraries 15-20 are derived from two different patients (UC#2, and UC#3). The bFGF-treated HMEC were prepared

15 by incubation with bFGF at 10ng/ml for 2 hrs; the VEGF-treated HMEC were prepared by incubation with 20ng/ml BEGF for 2 hrs. Following incubation with the respective growth factor, the cells were washed and lysis buffer added for RNA preparation.

20 Each of the libraries is composed of a collection of cDNA clones that in turn are representative of the mRNAs expressed in the indicated mRNA source. In order to facilitate the analysis of the millions of sequences in each library, the sequences were assigned to clusters. The concept of "cluster of clones" is derived from a sorting/grouping of cDNA clones based on their hybridization pattern to a panel of roughly 300 7bp

25 oligonucleotide probes (see Drmanac *et al.*, *Genomics* (1996) 37(1):29). Random cDNA clones from a tissue library are hybridized at moderate stringency to 300 7bp oligonucleotides. Each oligonucleotide has some measure of specific hybridization to that specific clone. The combination of 300 of these measures of hybridization for 300 probes equals the "hybridization signature" for a specific clone. Clones with similar sequence will

30 have similar hybridization signatures. By developing a sorting/grouping algorithm to analyze these signatures, groups of clones in a library can be identified and brought together computationally. These groups of clones are termed "clusters". Depending on the stringency of the selection in the algorithm (similar to the stringency of hybridization in a

classic library cDNA screening protocol), the "purity" of each cluster can be controlled. For example, artifacts of clustering may occur in computational clustering just as artifacts can occur in "wet-lab" screening of a cDNA library with 400 bp cDNA fragments, at even the highest stringency. The stringency used in the implementation of cluster herein
5 provides groups of clones that are in general from the same cDNA or closely related cDNAs. Closely related clones can be a result of different length clones of the same cDNA, closely related clones from highly related gene families, or splice variants of the same cDNA.

Differential expression for a selected cluster was assessed by first determining the
10 number of cDNA clones corresponding to the selected cluster in the first library (Clones in 1st), and the determining the number of cDNA clones corresponding to the selected cluster in the second library (Clones in 2nd). Differential expression of the selected cluster in the first library relative to the second library is expressed as a "ratio" of percent expression between the two libraries. In general, the "ratio" is calculated by: 1) calculating the percent
15 expression of the selected cluster in the first library by dividing the number of clones corresponding to a selected cluster in the first library by the total number of clones analyzed from the first library; 2) calculating the percent expression of the selected cluster in the second library by dividing the number of clones corresponding to a selected cluster in a second library by the total number of clones analyzed from the second library; 3)
20 dividing the calculated percent expression from the first library by the calculated percent expression from the second library. If the "number of clones" corresponding to a selected cluster in a library is zero, the value is set at 1 to aid in calculation. The formula used in calculating the ratio takes into account the "depth" of each of the libraries being compared, *i.e.*, the total number of clones analyzed in each library.

25 In general, a polynucleotide is said to be significantly differentially expressed between two samples when the ratio value is greater than at least about 2, preferably greater than at least about 3, more preferably greater than at least about 5, where the ratio value is calculated using the method described above. The significance of differential expression is determined using a z score test (Zar, Biostatistical Analysis, Prentice Hall,
30 Inc., USA, "Differences between Proportions," pp 296-298 (1974).

Example 5: Polynucleotides Differentially Expressed in High Metastatic Potential Breast Cancer Cells Versus Low Metastatic Breast Cancer Cells

A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from high metastatic potential breast cancer tissue and low metastatic breast cancer cells. Expression of these sequences in breast cancer can be valuable in determining diagnostic, prognostic and/or treatment information. For example, sequences that are highly expressed in the high metastatic potential cells can be indicative of increased expression of genes or regulatory sequences involved in the metastatic process. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant more aggressive treatment. In another example, sequences that display higher expression in the low metastatic potential cells can be associated with genes or regulatory sequences that inhibit metastasis, and thus the expression of these polynucleotides in a sample may warrant a more positive prognosis than the gross pathology would suggest.

The differential expression of these polynucleotides can be used as a diagnostic marker, a prognostic marker, for risk assessment, patient treatment and the like. These polynucleotide sequences can also be used in combination with other known molecular and/or biochemical markers.

The following tables summarize polynucleotides that are differentially expressed between high metastatic potential breast cancer cells and low metastatic potential breast cancer cells.

Table 5: Differentially expressed polynucleotides: Higher expression in high metastatic potential breast cancer (lib3) relative to low metastatic breast cancer cells (lib4)

SEQ ID NOS:	Sequence Name	Cluster ID	Lib3 clones	Lib4 clones	lib3/lib4	Zscore
45	RTA00000197AR.f.12.1	3513	17	5	3.317240	2.287632
146	RTA00000185AF.a.19.2	5749	9	0	8.780930	2.629923
154	RTA00000196F.e.7.1	1039	10	2	4.878294	1.978215
159	RTA00000182AF.l.12.1	1027	41	17	2.353059	2.926571
165	RTA00000192AF.g.23.1	6455	6	0	5.853953	2.011224
174	RTA00000181AF.e.22.3	3442	17	4	4.146550	2.562391
183	RTA00000198AF.c.17.1	6923	6	0	5.853953	2.011224
364	RTA00000187AF.g.13.1	2991	10	1	9.756589	2.371428
366	RTA00000192AF.o.19.1	3549	10	1	9.756589	2.371428
387	RTA00000191AF.j.14.1	1002	42	20	2.048883	2.570309
496	RTA00000190AF.p.3.1	2378	34	0	33.17240	5.588184
510	RTA00000178AF.n.23.1	3298	12	1	11.70790	2.729313
512	RTA00000191AF.c.3.1	3549	10	1	9.756589	2.371428
529	RTA00000178AF.b.13.1	3114	9	1	8.780930	2.174815
560	RTA00000184AF.i.23.3	1577	25	3	8.130490	3.903813
606	RTA00000179AR.e.01.4	2493	33	9	3.577416	3.469507

SEQ ID NOS:	Sequence Name	Cluster ID	Lib3 clones	Lib4 clones	lib3/lib4	Zscore
644	RTA00000197F.i.12.1	3605	14	1	13.65922	3.050936
646	RTA00000186AF.d.24.1	3114	9	1	8.780930	2.174815
754	RTA00000187AF.l.11.1	4482	14	3	4.553074	2.374769
875	RTA00000401F.m.02.1	1573	34	7	4.738914	3.982056
902	RTA00000422F.c.02.1	2902	18	5	3.512372	2.443314
921	RTA00000418F.m.19.1	8890	6	0	5.853953	2.011224
942	RTA00000351R.g.11.1	3077	17	4	4.146550	2.562391
1095	RTA00000408F.l.13.1	4423	12	1	11.70790	2.729313
1104	RTA00000404F.m.10.2	779	60	22	2.660887	3.974953
1131	RTA00000400F.k.22.1	2512	7	0	6.829612	2.235371
1170	RTA00000340R.f.05.1	3202	18	3	5.853953	2.998867
1184	RTA00000422F.c.17.1	1360	26	11	2.306102	2.226876
1205	RTA00000118A.a.23.1	3500	12	3	3.902635	2.018050
1354	RTA00000401F.k.14.1	211	121	43	2.745458	5.856098
2124	RTA00000191AF.j.14.1	1002	42	20	2.048883	2.570309
1535	RTA00000405F.l.11.1	2055	29	8	3.536763	3.213373
1751	RTA00000423F.j.03.1	5391	6	0	5.853953	2.011224
1764	RTA00000399F.o.24.1	2272	17	1	16.58620	3.483575
1777	RTA00000401F.j.15.1	3061	14	0	13.65922	3.428594
1795	RTA00000348R.o.12.1	2263	6	0	5.853953	2.011224
1869	RTA00000340F.f.22.1	1720	57	8	6.951569	5.855075
1882	RTA00000401F.g.22.1	1147	28	12	2.276537	2.294031
1890	RTA00000346F.o.16.1	176	170	44	3.769591	8.366611
1915	RTA00000400F.g.02.1	1508	21	5	4.097767	2.879196
2040	RTA00000527F.j.02.2	4896	11	0	10.73224	2.974502
2059	RTA00000528F.i.22.1	2478	17	5	3.317240	2.287632
2223	RTA00000528F.j.11.1	1070	26	6	4.227855	3.289393
2245	RTA00000527F.k.09.1	213	17	4	4.146550	2.562391
2300	RTA00000528F.b.03.1	2078	11	2	5.366124	2.174565
2325	RTA00000525F.d.13.1	349	77	1	75.12573	8.384408
2462	RTA00000528F.g.22.2	920	76	32	2.317189	4.010278
2488	RTA00000528F.h.02.2	1701	18	4	4.390465	2.714073
2492	RTA00000528F.c.11.1	1701	18	4	4.390465	2.714073

Table 6. Differentially expressed polynucleotides: Higher expression in low metastatic breast cancer cells (lib4) relative to high metastatic potential breast cancer (lib3)

SEQ ID NOS:	Sequence Name	Cluster ID	Lib4 Clones	Lib 3 Clones	lib4/lib3	Zscore
15	RTA00000177AR.n.8.1	4188	4	13	3.33108	1.99126
36	RTA00000181AF.p.4.3	40392	1	8	8.19958	2.03713
44	RTA00000199F.f.08.2	12445	0	11	11.2744	3.05623
89	RTA00000177AF.n.8.3	4188	4	13	3.33108	1.99126
172	RTA00000186AF.p.09.2	6879	3	43	14.6909	5.83444
203	RTA00000201F.d.09.1	1827	37	157	4.34910	8.71727
261	RTA00000192AF.a.24.1	13183	0	7	7.17463	2.30057
419	RTA00000182AF.j.20.1	4769	2	20	10.2494	3.68254
420	RTA00000181AF.c.11.1	4769	2	20	10.2494	3.68254
503	RTA00000197AF.k.9.1	3138	1	10	10.2494	2.45316
552	RTA00000193AF.b.24.1	35	386	1967	5.22298	33.2328
564	RTA00000200AF.g.18.1	1600	0	23	23.5738	4.64683

SEQ ID NOS:	Sequence Name	Cluster ID	Lib4 Clones	Lib 3 Clones	lib4/lib3	Zscore
570	RTA00000183AF.a.19.2	3788	0	6	6.14969	2.07158
590	RTA00000190AF.d.2.1	2444	26	55	2.16815	3.22244
693	RTA00000198F.m.12.1	4	987	2807	2.91492	30.3819
707	RTA00000179AF.p.15.1	5622	2	13	6.66216	2.62993
711	RTA00000198F.i.2.1	8076	0	9	9.22453	2.70385
726	RTA00000200R.f.10.1	4	987	2807	2.91492	30.3819
746	RTA00000178AF.i.01.2	4	987	2807	2.91492	30.3819
756	RTA00000404F.a.02.1	9738	1	13	13.3243	2.98623
990	RTA00000126A.o.23.1	6268	3	18	6.14969	3.11179
1122	RTA00000401F.o.06.1	2679	4	23	5.89345	3.52846
1142	RTA00000411F.a.15.1	73812	0	12	12.2993	3.21838
1286	RTA00000345F.n.12.1	7337	3	16	5.46639	2.80694
1289	RTA00000126A.g.7.1	1902	13	48	3.78442	4.45002
1435	RTA00000345F.e.11.1	4392	1	8	8.19958	2.03713
1860	RTA00000340F.p.18.1	287	6	173	29.5526	12.5749
1933	RTA00000400F.f.11.1	4088	0	82	84.0457	9.05778
1934	RTA00000341F.o.12.1	2883	9	21	2.39154	2.07600
1979	RTA00000122A.h.24.1	48	412	1020	2.53749	16.5262
1980	RTA00000346F.j.13.1	5337	5	17	3.48482	2.40321
2007	RTA00000400F.g.08.1	1275	15	32	2.18655	2.41857
2023	RTA00000523F.d.19.1	26489	1	8	8.19958	2.03713
2409	RTA00000526F.d.17.1	2757	4	16	4.09979	2.51500
1220	RTA00000528F.d.04.1	2395	12	37	3.16025	3.51521

Example 6: Polynucleotides Differentially Expressed in High Metastatic Potential Lung Cancer Cells Versus Low Metastatic Lung Cancer Cells

- 5 A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from high metastatic potential lung cancer tissue and low metastatic lung cancer cells. Expression of these sequences in lung cancer tissue can be valuable in determining diagnostic, prognostic and/or treatment information. For example, sequences that are highly expressed in the high metastatic potential cells are associated can
- 10 be indicative of increased expression of genes or regulatory sequences involved in the metastatic process. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant more aggressive treatment. In another example, sequences that display higher expression in the low metastatic potential cells can be associated with genes or regulatory sequences that inhibit metastasis, and thus the
- 15 expression of these polynucleotides in a sample may warrant a more positive prognosis than the gross pathology would suggest.

The differential expression of these polynucleotides can be used as a diagnostic marker, a prognostic marker, for risk assessment, patient treatment and the like. These

polynucleotide sequences can also be used in combination with other known molecular and/or biochemical markers.

The following tables summarize polynucleotides that are differentially expressed between high metastatic potential lung cancer cells and low metastatic potential lung

5 cancer cells:

Table 7 Differentially expressed polynucleotides: Higher expression in high metastatic potential lung cancer cells (lib8) relative to low metastatic lung cancer cells (lib9)

SEQ ID NO:	Sequence Name	Cluster ID	Lib8 clones	Lib9 clones	lib8/lib9	Zscore
10	RTA00000198AF.n.16.1	3721	9	0	12.5772	3.20845
54	RTA00000200F.o.22.1	983	8	1	11.1797	2.53243
65	RTA00000198AF.m.16.1	51	348	66	7.36849	17.4315
171	RTA00000198R.c.07.1	19181	6	0	8.38484	2.48169
203	RTA00000201F.d.09.1	1827	45	15	4.19242	5.09891
252	RTA00000181AF.e.18.3	8	1355	122	15.5211	39.0214
253	RTA00000181AF.e.17.3	8	1355	122	15.5211	39.0214
285	RTA00000181AR.j.14.3	5399	12	0	16.7696	3.80239
419	RTA00000182AF.j.20.1	4769	10	3	4.65824	2.29362
420	RTA00000181AF.c.11.1	4769	10	3	4.65824	2.29362
491	RTA00000196F.k.11.1	3	986	392	3.51507	22.4683
525	RTA00000198AF.c.7.1	19181	6	0	8.38484	2.48169
526	RTA00000185AF.e.20.1	5865	12	0	16.7696	3.80239
552	RTA00000193AF.b.24.1	35	868	11	110.273	34.2897
693	RTA00000198F.m.12.1	4	506	209	3.38335	15.7309
700	RTA00000183AF.i.18.2	40129	7	0	9.78231	2.74441
726	RTA00000200R.f.10.1	4	506	209	3.38335	15.7309
742	RTA00000177AF.m.1.1	14929	23	16	2.00886	2.02420
746	RTA00000178AF.i.01.2	4	506	209	3.38335	15.7309
861	RTA00000339F.f.11.1	5832	5	0	6.98736	2.18988
990	RTA00000126A.o.23.1	6268	5	0	6.98736	2.18988
1088	RTA00000399F.f.11.1	40167	8	0	11.1797	2.98512
1288	RTA00000423F.e.11.1	2566	11	2	7.68610	2.85611
1417	RTA00000339F.o.07.1	2566	11	2	7.68610	2.85611
1444	RTA00000419F.p.03.1	1937	10	3	4.65824	2.29362
1454	RTA00000340F.l.05.1	38935	7	0	9.78231	2.74441
1570	RTA00000403F.a.17.1	13686	8	0	11.1797	2.98512
1597	RTA00000401F.n.23.1	1552	8	1	11.1797	2.53243
1979	RTA00000122A.h.24.1	48	342	155	3.08345	12.2138
2024	RTA00000528F.b.23.1	1605	22	4	7.68610	4.23808
2034	RTA00000528F.m.16.1	4468	6	1	8.38484	1.97787
2126	RTA00000526F.d.01.1	4468	6	1	8.38484	1.97787

10

Table 8 Differentially expressed polynucleotides: Higher expression in low metastatic lung cancer cells (lib9) relative to high metastatic potential lung cancer cells

SEQ ID NO:	Sequence Name	Cluster ID	Lib8 clones	Lib9 clones	lib9/lib8	Zscore
174	RTA00000181AF.e.22.3	3442	5	23	3.291654	2.368262
254	RTA00000178AF.n.2.1	17083	0	8	5.724617	2.034117
466	RTA00000177AF.p.20.1	4141	4	27	4.830145	3.070829
571	RTA00000198AF.b.14.1	801	16	46	2.057284	2.411087
574	RTA00000192AF.f.3.1	5257	5	25	3.577885	2.596857
590	RTA00000190AF.d.2.1	2444	12	37	2.206362	2.299984
922	RTA00000399F.l.14.1	3354	5	20	2.862308	1.998763
1355	RTA00000406F.m.04.1	14959	11	41	2.667151	2.865855
1422	RTA00000405F.h.07.2	4984	3	16	3.816411	2.058861
2007	RTA00000400F.g.08.1	1275	10	42	3.005423	3.147111
2038	RTA00000527F.p.06.1	1292	8	33	2.951755	2.724411
2245	RTA00000527F.k.09.1	213	137	403	2.104945	7.661033

5

Example 7: Polynucleotides Differentially Expressed in High Metastatic Potential Colon Cancer Cells Versus Low Metastatic Colon Cancer Cells

A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from high metastatic potential colon cancer tissue and low metastatic colon cancer cells. Expression of these sequences in colon cancer tissue can be valuable in determining diagnostic, prognostic and/or treatment information. For example, sequences that are highly expressed in the high metastatic potential cells can be indicative of increased expression of genes or regulatory sequences involved in the metastatic process. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant more aggressive treatment. In another example, sequences that display higher expression in the low metastatic potential cells can be associated with genes or regulatory sequences that inhibit metastasis, and thus the expression of these polynucleotides in a sample may warrant a more positive prognosis than the gross pathology would suggest.

The differential expression of these polynucleotides can be used as a diagnostic marker, a prognostic marker, for risk assessment, patient treatment and the like. These polynucleotide sequences can also be used in combination with other known molecular and/or biochemical markers.

The following table summarizes identified polynucleotides with differential expression between high metastatic potential colon cancer cells and low metastatic potential colon cancer cells:

Table 9 Differentially expressed polynucleotides: Higher expression in high metastatic potential colon cancer (lib1) relative to low metastatic colon cancer cells (lib2)

SEQ ID	Sequence Name	Cluster ID	Lib1 clones	Lib2 clones	lib1/lib2	Zscore
NO:						
228	RTA00000187AR.h.15.2	6660	7	0	6.489973399	2.169320547
280	RTA00000193AF.b.18.1	7542	8	0	7.417112456	2.36964728
355	RTA00000184AR.b.24.1	5777	9	1	8.344251513	2.09555146
491	RTA00000196F.k.11.1	3	5268	2164	2.257009497	32.96556438
603	RTA00000183AR.d.11.3	6420	8	0	7.417112456	2.36964728
680	RTA00000177AF.f.10.1	6420	8	0	7.417112456	2.36964728
752	RTA00000192AF.o.7.1	5275	11	2	5.099264814	2.083995588
753	RTA00000192AF.o.17.1	5275	11	2	5.099264814	2.083995588
1241	RTA00000346F.l.13.1	7542	8	0	7.417112456	2.36964728
1264	RTA00000349R.g.10.1	5777	9	1	8.344251513	2.09555146
1401	RTA00000421F.m.14.1	3524	21	6	3.2449867	2.499690198
1442	RTA00000350R.g.10.1	9026	7	0	6.489973399	2.169320547
1514	RTA00000399F.o.06.1	13574	7	0	6.489973399	2.169320547
1851	RTA00000421F.a.06.1	2385	27	4	6.258188635	3.743586088
1915	RTA00000400F.g.02.1	1508	46	17	2.508729213	3.230059264
2024	RTA00000528F.b.23.1	1605	36	11	3.034273278	3.244010467
2066	RTA00000528F.m.12.1	5768	12	0		3.046665462

5 Table 10 Differentially expressed polynucleotides: Higher expression in low metastatic colon cancer cells (lib2) relative to high metastatic potential colon cancer (lib1)

SEQ ID	Sequence Name	Cluster ID	Lib1 clones	Lib2 clones	lib2/lib1	Zscore
NOS:						
33	RTA00000178AR.a.20.1	945	9	21	2.51670	2.21703
250	RTA00000192AF.j.21.1	2289	3	23	8.26916	3.92187
282	RTA00000193AF.c.15.1	3726	3	14	5.03340	2.58312
370	RTA00000179AF.c.15.3	2995	4	13	3.50540	2.09770
387	RTA00000191AF.j.14.1	1002	12	65	5.84234	6.26259
443	RTA00000197AR.i.17.1	3516	5	17	3.66719	2.52439
460	RTA00000179AF.c.15.1	2995	4	13	3.50540	2.09770
545	RTA00000196F.a.2.1	3575	5	14	3.02004	2.00158
560	RTA00000184AF.i.23.3	1577	12	40	3.59528	4.01991
703	RTA00000198F.l.09.1	3611	2	13	7.01081	2.73040
704	RTA00000190AF.o.12.1	3438	5	14	3.02004	2.00158
1095	RTA00000408F.l.13.1	4423	1	8	8.62869	2.11495
1104	RTA00000404F.m.10.2	779	27	54	2.15717	3.23169
1205	RTA00000118A.a.23.1	3500	3	13	4.67387	2.40298
1354	RTA00000401F.k.14.1	211	109	206	2.03843	6.08597
1387	RTA00000191AF.j.14.1	1002	12	65	5.84234	6.26259
1734	RTA00000345F.b.17.1	945	9	21	2.51670	2.21703
1742	RTA00000422F.b.22.1	2368	14	34	2.61942	3.00662
1954	RTA00000401F.j.23.1	570	59	148	2.70560	6.66631
2262	RTA00000527F.o.12.1	688	29	60	2.23155	3.53946
2325	RTA00000525F.d.13.1	349	69	138	2.15717	5.27497

Example 8: Polynucleotides Differentially Expressed in High Metastatic Potential Colon Cancer Patient Tissue Versus Normal Patient Tissue

A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from high metastatic potential colon cancer tissue and normal tissue. Expression of these sequences in colon cancer tissue can be valuable in determining diagnostic, prognostic and/or treatment information. For example, sequences that are highly expressed in the high metastatic potential cells are associated can be indicative of increased expression of genes or regulatory sequences involved in the advanced disease state which involves processes such as angiogenesis, dedifferentiation, cell replication, and metastasis. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant more aggressive treatment.

The differential expression of these polynucleotides can be used as a diagnostic marker, a prognostic marker, for risk assessment, patient treatment and the like. These polynucleotide sequences can also be used in combination with other known molecular and/or biochemical markers.

The following tables summarize polynucleotides that are differentially expressed between high metastatic potential colon cancer cells and normal colon cells:

Table 11 Differentially expressed polynucleotides isolated from samples from two patients (UC#2 and UC#3) : Higher expression in high metastatic potential colon tissue (UC#2:lib17; UC#3:lib20) vs. normal colon tissue (UC#2:lib15; UC#3:lib18)

SEQ ID NO:	Sequence Name	Cluster ID	lib15 clones	lib17 clones	lib17/lib15	Zscore
65	RTA00000198AF.m.16.1	51	1	10	9.27022	2.28830
1780	RTA00000118A.j.24.1	18	4	23	5.33037	3.27028
1899	RTA00000345F.j.09.1	13	14	80	5.29727	6.34580
SEQ ID NO:	Sequence Name	Cluster ID	lib18 clones	lib20 clones	lib20/lib18	Zscore
1899	RTA00000345F.j.09.1	13	12	23	2.24234	2.16077

Table 12 Differentially expressed polynucleotides isolated from samples from two patients (UC#2 and UC#3) : Higher expression in normal colon tissue (UC#2:lib15; UC#3:lib18) vs. high metastatic potential colon tissue (UC#2:lib17; UC#3:lib20).

SEQ ID NO:	Sequence Name	Cluster ID	Lib5 Clones	L1ib7 Clones	lib15/lib17	Z Score:
491	RTA00000196F.k.11.1	3	242	26	10.04	>2.5899%; >1.96 13.78900072
SEQ ID	Sequence Name	Cluster	Lib18	Lib20	lib18/lib20	Zscore

NO:		ID	clones	clones		
491	RTA00000196F.k.11.1	3	409	46	7.59993	15.3998

Example 9: Polynucleotides Differentially Expressed in High Colon Tumor Potential Patient Tissue Versus Metastasized Colon Cancer Patient Tissue

- 5 A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from high tumor potential colon cancer tissue and cells derived from high metastatic potential colon cancer cells. Expression of these sequences in colon cancer tissue can be valuable in determining diagnostic, prognostic and/or treatment information associated with the transformation of precancerous tissue to malignant tissue.
- 10 This information can be useful in the prevention of achieving the advanced malignant state in these tissues, and can be important in risk assessment for a patient.

The following table summarizes identified polynucleotides with differential expression between high tumor potential colon cancer tissue and cells derived from high metastatic potential colon cancer cells:

15

Table 13 Differentially expressed polynucleotides: High tumor potential colon tissue vs. metastatic colon tissue

SEQ ID	Sequence Name	Cluster ID	L19	L20	lib19/lib20	Zscore
NO:			clones	clones		
252	RTA00000181AF.e.18.3	8	14	1	10.4712	2.56699
253	RTA00000181AF.e.17.3	8	14	1	10.4712	2.56699
491	RTA00000196F.k.11.1	3	328	46	5.33318	11.8962
581	RTA00000191AF.p.3.2	17	24	2	8.97535	3.41950
693	RTA00000198F.m.12.1	4	26	8	2.43082	2.09705
726	RTA00000200R.f.10.1	4	26	8	2.43082	2.09705
746	RTA00000178AF.i.01.2	4	26	8	2.43082	2.09705
1780	RTA00000118A.j.24.1	18	80	13	4.60274	5.51440
1899	RTA00000345F.j.09.1	13	148	23	4.81287	7.68618

20 **Example 10: Polynucleotides Differentially Expressed in High Tumor Potential Colon Cancer Patient Tissue Versus Normal Patient Tissue**

- A number of polynucleotide sequences have been identified that are differentially expressed between cells derived from high tumor potential colon cancer tissue and normal tissue. Expression of these sequences in colon cancer tissue can be valuable in determining
- 25 diagnostic, prognostic and/or treatment information associated with the prevention of achieving the malignant state in these tissues, and can be important in risk assessment for a

patient. For example, sequences that are highly expressed in the potential colon cancer cells are associated with or can be indicative of increased expression of genes or regulatory sequences involved in early tumor progression. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant closer attention or more frequent screening procedures to catch the malignant state as early as possible.

The following tables summarize polynucleotides that are differentially expressed between high metastatic potential colon cancer cells and normal colon cells:

Table 14 Differentially expressed polynucleotides detected in samples from two patients (UC#2 and UC#3): Higher expression in tumor potential colon tissue (UC#2:lib16; UC#3:lib19) vs. normal colon tissue (UC#2:lib15; UC#3:lib18)

SEQ ID NO:	Sequence Name	Cluster ID	Lib15 clones	Lib16 clones	lib16/lib15	Zscore
1899	RTA00000345F.j.09.1	13	14	50	3.43709	4.22436
SEQ ID NO:	Sequence Name	Cluster ID	Lib18 clones	Lib19 clones	lib19/lib18	Zscore
65	RTA00000198AF.m.16.1	51	0	14	12.2505	3.23250
252	RTA00000181AF.e.18.3	8	1	14	12.2505	2.84687
253	RTA00000181AF.e.17.3	8	1	14	12.2505	2.84687
581	RTA00000191AF.p.3.2	17	4	24	5.25021	3.24580
693	RTA00000198F.m.12.1	4	6	26	3.79182	2.98901
716	RTA00000200F.p.05.1	3984	0	7	6.12525	2.09621
726	RTA00000200R.f.10.1	4	6	26	3.79182	2.98901
746	RTA00000178AF.i.01.2	4	6	26	3.79182	2.98901
1780	RTA00000118A.j.24.1	18	10	80	7.00028	6.65963
1899	RTA00000345F.j.09.1	13	12	148	10.7921	9.86174

Table 15 Differentially expressed polynucleotides: Higher expression in normal colon tissue (UC#2:lib15) vs. tumor potential colon tissue (UC#2:lib16)

SEQ ID NO:	Sequence Name	Cluster ID	Lib15 clones	Lib16 clones	lib15/lib16	Zscore
491	RTA00000196F.k.11.1	3	242	39	6.44765	12.3988

Example 11: Polynucleotides Differentially Expressed in Growth Factor-Stimulated Human Microvascular Endothelial Cells (HMEC) Relative to Untreated HMEC

A number of polynucleotide sequences have been identified that are differentially expressed between human microvascular endothelial cells (HMEC) that have been treated with growth factors relative to untreated HMEC.

Sequences that are differentially expressed between growth factor-treated HMEC and untreated HMEC can represent sequences encoding gene products involved in angiogenesis, metastasis (cell migration), and other development and oncogenic processes. For example, sequences that are more highly expressed in HMEC treated with growth factors (such as bFGF or VEGF) relative to untreated HMEC can serve as markers of

cancer cells of higher metastatic potential. Detection of expression of these sequences in colon cancer tissue can be valuable in determining diagnostic, prognostic and/or treatment information associated with the prevention of achieving the malignant state in these tissues, and can be important in risk assessment for a patient. A patient sample displaying an increased level of one or more of these polynucleotides may thus warrant closer attention or more frequent screening procedures to catch the malignant state as early as possible.

The following table summarizes identified polynucleotides with differential expression between growth factor-treated and untreated HMEC.

Table 16 Differentially expressed polynucleotides: Higher expression in bFGF treated HMEC (lib13) vs. untreated HMEC (lib12)

SEQ ID NO:	Sequence Name	Cluster ID	Lib12 clones	Lib13 clones	lib13/lib12	Zscore
648	RTA00000199F.i.9.1	7	25	52	2.07199	2.94741

Table 17 Differentially expressed polynucleotides: Higher expression in VEGF treated HMEC (lib14) vs. untreated HMEC (lib12)

SEQ ID NO:	Sequence Name	Cluster ID	Lib12 clones	Lib14 clones	lib14/lib12	Zscore
648	RTA00000199F.i.9.1	7	25	67	2.62449	4.17666
1899	RTA00000345F.j.09.1	13	22	49	2.18114	2.99887

Example 12: Polynucleotides Differentially Expressed Across Multiple Libraries

A number of polynucleotide sequences have been identified that are differentially expressed between cancerous cells and normal cells across all three tissue types tested (*i.e.*, breast, colon, and lung). Expression of these sequences in a tissue or any origin can be valuable in determining diagnostic, prognostic and/or treatment information associated with the prevention of achieving the malignant state in these tissues, and can be important in risk assessment for a patient. These polynucleotides can also serve as non-tissue specific markers of, for example, risk of metastasis of a tumor. The following table summarizes identified polynucleotides that were differentially expressed but without tissue type-specificity in the breast, colon, and lung libraries tested.

Table 18 Polynucleotides Differentially Expressed Across Multiple Library Comparisons

SEQ ID NO.	Cluster	Clones in 1st Lib	Clones in 2nd Lib	Ratio	Cell or Tissue Sample and Cancer State Compared (Z Score)
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SEQ ID NO.	Cluster	Clones in 1st Lib	Clones in 2nd Lib	Ratio	Cell or Tissue Sample and Cancer State Compared (Z Score)
2024	1605	lib1 36	lib2 11	lib1/lib2 3.0342732	colon: high met > low met (3.2440104)
		lib8 22	lib9 4	lib8/lib9 7.6861036	lung: high met > low met (4.2380835)
65	51	lib8 348	lib9 66	lib8/lib9 7.3684960	lung: high met > low met (17.431560)
		lib18 0	lib19 14	lib19/lib18 12.250507	pt #3 colon: tumor > normal (3.2325073)
		lib15 1	lib17 10	lib17/lib15 9.2702249	pt #2 colon: met > normal (2.2883061)
174	3442	lib8 5	lib9 23	lib9/lib8 3.2916548	lung: low met > high met (2.3682625)
		lib3 17	lib4 4	lib3/lib4 4.1465504	breast: high met > low met (2.5623912)
203	1827	lib8 45	lib9 15	lib8/lib9 4.1924201	lung: high met > low met (5.0989192)
		lib3 37	lib4 157	lib4/lib3 4.3491051	breast: low met > high met (8.7172773)
2245	213	lib8 137	lib9 403	lib9/lib8 2.1049458	lung: low met > high met (7.6610331)
		lib3 17	lib4 4	lib3/lib4 4.1465504	breast: high met > low met (2.5623912)
990	6268	lib8 5	lib9 0	lib8/lib9 6.9873669	lung: high met > low met (2.1898837)
		lib3 3	lib4 18	lib4/lib3 6.1496901	breast: low met > high met (3.1117967)
252	8	lib8 1355	lib9 122	lib8/lib9 15.521118	lung: high met > low met (39.021411)
		lib19 14	lib20 1	lib19/lib20 10.471247	pt. #3 colon: tumor > met (2.5669948)
		lib18 1	lib19 14	lib19/lib18 12.250507	pt #3 colon: tumor > normal (2.8468716)
253	8	lib8 1355	lib9 122	lib8/lib9 15.521118	lung: high met > low met (39.021411)
		lib19 14	lib20 1	lib19/lib20 10.471247	pt. #3 colon: tumor > met (2.5669948)
		lib18 1	lib19 14	lib19/lib18 12.250507	pt #3 colon: tumor > normal (2.8468716)
2325	349	lib3 77	lib4 1	lib3/lib4 75.125736	breast: high met > low met (8.3844087)
		lib1 69	lib2 138	lib2/lib1 2.1571737	colon: low met > high met (5.2749799)

SEQ ID NO.	Cluster	Clones in 1st Lib	Clones in 2nd Lib	Ratio	Cell or Tissue Sample and Cancer State Compared (Z Score)
1095	4423	lib3	lib4	lib3/lib4	breast: high met > low met
		12	1	11.707907	(2.7293134)
		lib1	lib2	lib2/lib1	colon: low met > high met
		1	8	8.6286948	(2.1149516)
1124	779	lib3	lib4	lib3/lib4	breast: high met > low met
		60	22	2.6608879	(3.9749537)
		lib1	lib2	lib2/lib1	colon: low met > high met
		27	54	2.1571737	(3.2316908)
387	1002	lib3	lib4	lib3/lib4	breast: high met > low met
		42	20	2.0488837	(2.5703094)
		lib1	lib2	lib2/lib1	colon: low met > high met
		12	65	5.8423454	(6.2625969)
419	4769	lib8	lib9	lib8/lib9	lung: high met > low met
		10	3	4.6582446	(2.2936274)
		lib3	lib4	lib4/lib3	breast: low met > high met
		2	20	10.249483	(3.6825426)
420	4769	lib8	lib9	lib8/lib9	lung: high met > low met
		10	3	4.6582446	(2.2936274)
		lib3	lib4	lib4/lib3	breast: low met > high met
		2	20	10.249483	(3.6825426)
1205	3500	lib3	lib4	lib3/lib4	breast: high met > low met
		12	3	3.9026356	(2.0180506)
		lib1	lib2	lib2/lib1	colon: low met > high met
		3	13	4.6738763	(2.4029818)
491	3	lib1	lib2	lib1/lib2	colon: high met > low met
		5268	2164	2.2570094	(32.965564)
		lib8	lib9	lib8/lib9	lung: high met > low met
		986	392	3.5150733	(22.468331)
		lib19	lib20	lib19/lib20	pt #3 colon: tumor > met
		328	46	5.3331820	(11.896271)
		lib18	lib20	lib18/lib20	pt #3 colon: normal > met
		409	46	7.5999342	(15.399861)
		lib15	lib17	lib15/lib17	pt#2 colon: normal > met
		242	26	10.04	(13.789000)
552	35	lib15	lib16	lib15/lib16	pt#2 colon: normal > tumor
		242	39	6.44765	12.39883
		lib8	lib9	lib8/lib9	lung: high met > low met
		868	11	110.27335	(34.289704)
560	1577	lib3	lib4	lib4/lib3	breast: low met > high met
		386	1967	5.2229880	(33.232871)
560	1577	lib3	lib4	lib3/lib4	breast: high met > low met
		25	3	8.1304909	(3.9038139)

SEQ ID NO.	Cluster	Clones in 1st Lib	Clones in 2nd Lib	Ratio	Cell or Tissue Sample and Cancer State Compared (Z Score)
		lib1 12	lib2 40	lib2/lib1 3.5952895	colon: low met > high met (4.0199130)
581	17	lib19 24	lib20 2	lib19/lib20 8.9753551	pt #3 colon: tumor > met (3.4195074)
		lib18 4	lib19 24	lib19/lib18 5.2502174	pt #3 colon: tumor > normal (3.2458055)
590	2444	lib3 26	lib4 55	lib4/lib3 2.1681599	breast: low met > high met (3.2224421)
		lib8 12	lib9 37	lib9/lib8 2.2063628	lung: low met > high met (2.2999846)
1354	211	lib3 121	lib4 43	lib3/lib4 2.7454588	breast: high met > low met (5.8560985)
		lib1 109	lib2 206	lib2/lib1 2.0384302	colon: low met > high met (6.0859794)
1387	1002	lib3 42	lib4 20	lib3/lib4 2.0488837	breast: high met > low met (2.5703094)
		lib1 12	lib2 65	lib2/lib1 5.8423454	colon: low met > high met (6.2625969)
648	7	lib12 25	lib14 67	lib14/lib12 2.6244913	HMEC: VEGF > untreated (4.1766696)
		lib12 25	lib13 52	lib13/lib12 2.0719962	HMEC: bFGF > untreated (2.9474155)
693	4	lib8 506	lib9 209	lib8/lib9 3.3833566	lung: high met > low met (15.730912)
		lib3 987	lib4 2807	lib4/lib3 2.9149240	breast: low met > high met (30.381945)
		lib19 26	lib20 8	lib19/lib20 2.4308253	pt#3 colon: tumor > met (2.0970580)
		lib18 6	lib19 26	lib19/lib18 3.7918237	pt#3 colon: tumor > normal (2.9890107)
726	4	lib8 506	lib9 209	lib8/lib9 3.3833566	lung: high met > low met (15.730912)
		lib3 987	lib4 2807	lib4/lib3 2.9149240	breast: low met > high met (30.381945)
		lib19 26	lib20 8	lib19/lib20 2.4308253	pt#3 colon: tumor > met (2.0970580)
		lib18 6	lib19 26	lib19/lib18 3.7918237	pt#3 colon: tumor > normal (2.9890107)
746	4	lib8 506	lib9 209	lib8/lib9 3.3833566	lung: high met > low met (15.730912)
		lib3 987	lib4 2807	lib4/lib3 2.9149240	breast: low met > high met (30.381945)

SEQ ID NO.	Cluster	Clones in 1st Lib	Clones in 2nd Lib	Ratio	Cell or Tissue Sample and Cancer State Compared (Z Score)
		lib19	lib20	lib19/lib20	pt#3 colon: tumor > met
		26	8	2.4308253	(2.0970580)
		lib18	lib19	lib19/lib18	pt#3 colon: tumor > normal
		6	26	3.7918237	(2.9890107)
1780	18	lib19	lib20	lib19/lib20	pt#3 colon: tumor > met
		80	13	4.6027462	(5.5144093)
		lib18	lib19	lib19/lib18	pt#3 colon: tumor > normal
		10	80	7.0002899	(6.6596394)
		lib15	lib17	lib17/lib15	pt#3 colon: met > normal
1899	13	4	23	5.3303793	(3.2702852)
		lib19	lib20	lib19/lib20	pt#3 colon: tumor > met
		148	23	4.8128716	(7.6861840)
		lib18	lib20	lib20/lib18	pt#3 colon: met > normal
		12	23	2.2423439	(2.1607719)
		lib18	lib19	lib19/lib18	pt#3 colon: tumor > normal
		12	148	10.792113	(9.8617485)
		lib15	lib17	lib17/lib15	pt#2 colon: met > normal
		14	80	5.2972714	(6.3458044)
		lib15	lib16	lib16/lib15	pt#2 colon: tumor > normal
1915	1508	14	50	3.4370927	(4.2243697)
		lib12	lib14	lib14/lib12	HMEC: VEGF > untreated
		22	49	2.1811410	(2.9988774)
		lib1	lib2	lib1/lib2	colon: high met > low met
		46	17	2.5087292	(3.2300592)
		lib3	lib4	lib3/lib4	breast: high met > low met
		21	5	4.0977674	(2.8791960)
1979	48	lib8	lib9	lib8/lib9	lung: high met > low met
		342	155	3.0834574	(12.213852)
		lib3	lib4	lib4/lib3	breast: low met > high met
		412	1020	2.5374934	(16.526285)
2007	1275	lib3	lib4	lib4/lib3	breast: low met > high met
		15	32	2.1865564	(2.4185764)
		lib8	lib9	lib9/lib8	lung: low met > high met
		10	42	3.0054239	3.1471113

high met = high metastatic potential; low met = low metastatic potential;

met = metastasized; tumor = non-metastasized tumor;

pt = patient; #2 = UC#2; #3 = UC#3;

HMEC = human microvascular endothelial cell;

5 bFGF = bFGF treated; VEGF = VEGF treated

Example 12: Polynucleotides Exhibiting Colon-Specific Expression

The cDNA libraries described herein were also analyzed to identify those polynucleotides that were specifically expressed in colon cells or tissue, *i.e.*, the polynucleotides were identified in libraries prepared from colon cell lines or tissue, but not in libraries of breast or lung origin. The polynucleotides that were expressed in a colon cell line and/or in colon tissue, but were present in the breast or lung cDNA libraries described herein, are shown in Table 19 (inserted before claims).

No clones corresponding to the colon-specific polynucleotides in the table above were present in any of Libraries 3, 4, 8, 9, 12, 13, 14, or 15. The polynucleotide provided above can be used as markers of cells of colon origin, and find particular use in reference arrays, as described above.

Example 13: Identification of Contiguous Sequences Having a Polynucleotide of the Invention

The novel polynucleotides were used to screen publicly available and proprietary databases to determine if any of the polynucleotides of SEQ ID NOS:1-2502 would facilitate identification of a contiguous sequence, *e.g.*, the polynucleotides would provide sequence that would result in 5' extension of another DNA sequence, resulting in production of a longer contiguous sequence composed of the provided polynucleotide and the other DNA sequence(s). Contigging was performed using the Gelmerge application (default settings) of GCG from the Univ. of Wisconsin.

Using these parameters, 146 contiged sequences were generated. These contiged sequences are provided as SEQ ID NOS:5107-5252 (see Table 1). The contiged sequences can be correlated with the sequences of SEQ ID NOS:1-2502 upon which the contiged sequences are based by, for example, identifying those sequences of SEQ ID NOS:1-2502 and the contiged sequences of SEQ ID NOS:5107-5252 that share the same clone name in Table 1.

The contiged sequences (SEQ ID NO:5107-5252) thus represent longer sequences that encompass a polynucleotide sequence of the invention. The contiged sequences were then translated in all three reading frames to determine the best alignment with individual sequences using the BLAST programs as described above for SEQ ID NOS:1-2502 and the validation sequences "SEQ ID NOS:2503-5106." Again the sequences were masked using the XBLAST program for masking low complexity as described above in Example 1

(Table 2). Several of the contiged sequences were found to encode polypeptides having characteristics of a polypeptide belonging to a known protein families (and thus represent new members of these protein families) and/or comprising a known functional domain (Table 20). Thus the invention encompasses fragments, fusions, and variants of such polynucleotides that retain biological activity associated with the protein family and/or functional domain identified herein.

Table 20 Profile hits using contiged sequences

SEQ ID NO	Biological Activity (Profile)	Start	Stop	Score	Direction	Sequence Name
5111	7tm_2	71	915	8090	for	RTA00000399F.o.01.1
5120	7tm_2	101	919	8475	rev	RTA00000341F.m.21.1
5174	7tm_2	3	963	9431	for	RTA00000192AF.h.19.1
5197	7tm_2	214	1073	8528	rev	RTA00000192AF.f.3.1
5208	ANK	546	629	4920	for	RTA00000190AF.f.5.1
5120	asp	126	1067	6620	rev	RTA00000341F.m.21.1.
5241	asp	112	1094	6553	for	RTA00000418F.i.06.1
5243	asp	347	1028	5981	for	RTA00000339F.b.02.1
5197	ATPases	113	781	5690	for	RTA00000192AF.f.3.1
5239	ATPases	1	348	15955	for	RTA00000401F.m.07.1
5241	ATPases	110	823	6782	for	RTA00000418F.i.06.1
5243	ATPases	338	874	5832	for	RTA00000339F.b.02.1
5125	protkinase	59	685	5791	for	RTA00000182AF.c.5.1
5217	protkinase	75	1035	5405	for	RTA00000181AF.p.12.3
5237	protkinase	25	546	5107	rev	RTA00000118A.p.5.1
5248	protkinase	14	422	5103	rev	RTA00000419F.k.05.1
5252	protkinase	89	755	5499	for	RTA00000404F.m.17.2
5120	Wnt_dev_sign	3	948	11036	for	RTA00000341F.m.21.1

All stop/start sequences are provided in the forward direction.

10

Descriptions of the profiles for the indicated protein families and functional domains are provided in Example 3 above.

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Those skilled in the art will recognize, or be able to ascertain, using not more than routine experimentation, many equivalents to the specific embodiments of the invention described herein. Such specific embodiments and equivalents are intended to be encompassed by the following claims.

All publications and patent applications cited in this specification are herein incorporated by reference as if each individual publication or patent application were specifically and individually indicated to be incorporated by reference. The citation of any publication is for its disclosure prior to the filing date and should not be construed as an admission that the present invention is not entitled to antedate such publication by virtue of prior invention.

Although the foregoing invention has been described in some detail by way of illustration and example for purposes of clarity of understanding, it is readily apparent to those of ordinary skill in the art in light of the teachings of this invention that certain changes and modifications may be made thereto without departing from the spirit or scope of the appended claims.

Deposit Information:

The following materials were deposited with the American Type Culture Collection: CMCC = (Chiron Master Culture Collection)

Cell Lines Deposited with ATCC

Cell Line	Deposit Date	ATCC Accession No.	CMCC Accession No.
KM12L4-A	March 19, 1998	CRL-12496	11606
Km12C	May 15, 1998	CRL-12533	11611
MDA-MB-231	May 15, 1998	CRL-12532	10583
MCF-7	October 9, 1998	CRL-12584	10377

cDNA Libraries Deposited with ATCC

cDNA Library No. Deposit Date ATCC Accession No.	cDNA Library ES21 January 22, 1999 ATCC No.	cDNA Library ES22 January 22, 1999 ATCC No.	cDNA Library ES23 January 22, 1999 ATCC No.
Clone Names	M00001575D:G05 M00001460A:A03 M00001655C:E04 M00001676C:C11 M00001679D:D05 M00001546B:C05 M00001453B:E10	M00001364A:E11 M00001694C:H10 M00003841D:E03 M00004176D:B12 M00001387B:E02 M00004282B:A04 M00001376B:F03 M00001445D:A06 M00001399C:H12 M00004208D:H08	M00001489B:A06 M00001585A:D06 M00001637B:E07 M00001529D:H02 M00001500C:C08 M00001483B:D03 M00001623C:H07 M00003975B:F03

cDNA Library No. Deposit Date ATCC Accession No. Clone Names	cDNA Library ES24 January 22, 1999 ATCC No.	cDNA Library ES25 January 22, 1999 ATCC No.	cDNA Library ES26 January 22, 1999 ATCC No.
	M00003987D:D06	M00001675D:B08	M00001479C:F10
	M00004073A:H12	M00001589B:E12	M00003842D:F08
	M00004104B:F11	M00001607D:A11	M00003901A:C09
	M00004237D:D08	M00001636A:E07	M00003982A:B06
	M00004111D:B07	M00001530A:B12	M00003824A:A06
	M00004138B:B11	M00001495B:B08	M00003845D:C03
	M00001391C:C04	M00001487C:F01	M00003856A:B07
	M00001448D:E12	M00001644B:D06	M00004104B:A02
	M00001450A:B03	M00003751C:A04	M00004110C:E03
	M00001451B:F01		

In addition, libraries of selected clones were deposited. The details of these deposits are provided in Tables 21-24.

This deposit is provided merely as convenience to those of skill in the art, and is not an admission that a deposit is required under 35 U.S.C. §112. The sequence of the polynucleotides contained within the deposited material, as well as the amino acid sequence of the polypeptides encoded thereby, are incorporated herein by reference and are controlling in the event of any conflict with the written description of sequences herein. A license may be required to make, use, or sell the deposited material, and no such license is granted hereby.

Retrieval of Individual Clones from Deposit of Pooled Clones

Where the ATCC deposit is composed of a pool of cDNA clones, the deposit was prepared by first transfecting each of the clones into separate bacterial cells. The clones were then deposited as a pool of equal mixtures in the composite deposit. Particular clones can be obtained from the composite deposit using methods well known in the art. For example, a bacterial cell containing a particular clone can be identified by isolating single colonies, and identifying colonies containing the specific clone through standard colony hybridization techniques, using an oligonucleotide probe or probes designed to specifically hybridize to a sequence of the clone insert (e.g., a probe based upon unmasked sequence of the encoded polynucleotide having the indicated SEQ ID NO). The probe should be designed to have a T_m of approximately 80°C (assuming 2°C for each A or T and 4°C for each G or C). Positive colonies can then be picked, grown in culture, and the recombinant clone isolated. Alternatively, probes designed in this manner can be used to PCR to isolate a nucleic acid molecule from the pooled clones according to methods well known in the art,

e.g., by purifying the cDNA from the deposited culture pool, and using the probes in PCR reactions to produce an amplified product having the corresponding desired polynucleotide sequence.

Table 1.

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1	1/28/98	1	RTA00000197AF.i.16.1	M00001490A:D11	16402
2	1/28/98	2	RTA00000188AF.n.15.1	M00003804A:H04	0
3	1/28/98	3	RTA00000197AF.e.24.1	M00001456B:F10	39250
4	1/28/98	4	RTA00000198R.f.04.1	M00001607D:F07	5023
5	1/28/98	5	RTA00000195R.c.11.1	M00003811A:E03	66087
6	1/28/98	6	RTA00000195AF.c.16.1	M00003829C:A11	23508
7	1/28/98	7	RTA00000197AR.e.12.1	M00001454B:G07	22095
8	1/28/98	8	RTA00000200AF.h.11.2	M00004146A:C08	8399
9	1/28/98	9	RTA00000177AF.g.22.1	M00001347C:G08	7031
10	1/28/98	10	RTA00000198AF.n.16.1	M00001694C:H10	3721
11	1/28/98	11	RTA00000199AF.i.17.1	M00003880C:F10	9615
12	1/28/98	12	RTA00000183AF.i.15.2	M00001529B:C04	2642
13	1/28/98	13	RTA00000190AF.i.5.1	M00003919A:A10	0
14	1/28/98	14	RTA00000196R.c.11.2	M00001352A:E12	13658
15	1/28/98	15	RTA00000177AR.n.8.1	M00001356D:F06	4188
16	1/28/98	16	RTA00000196AF.e.16.1	M00001363C:H02	39252
17	1/28/98	17	RTA00000183AR.e.14.2	M00001506B:D09	17437
18	1/28/98	18	RTA00000196AF.c.17.1	M00001352C:F06	39602
19	1/28/98	19	RTA00000185AF.a.8.1	M00001570D:A03	4868
20	1/28/98	20	RTA00000181AF.l.14.2	M00001454D:D06	2364
21	1/28/98	21	RTA00000131A.g.19.2	M00001449A:G10	36535
22	1/28/98	22	RTA00000187AR.o.10.2	M00001718D:F07	8984
23	1/28/98	23	RTA00000198R.b.08.1	M00001567C:H12	22636
24	1/28/98	24	RTA00000200AF.f.11.1	M00004111D:D11	0
25	1/28/98	25	RTA00000196AF.c.1.1	M00001349C:C05	8171
26	1/28/98	26	RTA00000200R.g.09.1	M00004131B:H09	22785
27	1/28/98	27	RTA00000192AF.i.12.1	M00004169C:C12	5319
28	1/28/98	28	RTA00000178AR.o.11.5	M00001387B:H07	0
29	1/28/98	29	RTA00000200AF.b.19.1	M00004042D:H02	22847
30	1/28/98	30	RTA00000184AR.n.07.2	M00001561C:F06	0
31	1/28/98	31	RTA00000200F.m.15.1	M00004236C:D10	22601
32	1/28/98	32	RTA00000198R.m.19.1	M00001680D:D02	40041
33	1/28/98	33	RTA00000178AR.a.20.1	M00001362C:H11	945
34	1/28/98	34	RTA00000197AF.n.8.1	M00001536D:A12	4101
35	1/28/98	35	RTA00000191AF.n.17.1	M00004091B:D11	7848
36	1/28/98	36	RTA00000181AF.p.4.3	M00001460A:A03	40392
37	1/28/98	37	RTA00000181AF.n.15.2	M00001457A:B07	86128
38	1/28/98	38	RTA00000196R.k.07.1	M00001399C:D09	22443
39	1/28/98	39	RTA00000189AR.b.19.1	M00003832B:E01	5294
40	1/28/98	40	RTA00000200AR.e.02.1	M00004090A:F09	36059
41	1/28/98	41	RTA00000184F.k.12.1	M00001557D:D09	8761
42	1/28/98	42	RTA00000184F.j.21.1	M00001557A:D02	7065
43	1/28/98	43	RTA00000179AF.c.14.3	M00001392D:H04	0
44	1/28/98	44	RTA00000199F.f.08.2	M00003841D:E03	12445
45	1/28/98	45	RTA00000197AR.f.12.1	M00001458C:E01	3513
46	1/28/98	46	RTA00000182AF.f.13.1	M00001470C:B10	8010
47	1/28/98	47	RTA00000192AF.m.12.1	M00004191D:B11	0
48	1/28/98	48	RTA00000177AR.a.23.5	M00001339D:G02	6995
49	1/28/98	49	RTA00000198R.o.05.1	M00003750A:D01	26702

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
50	1/28/98	50	RTA00000201R.a.02.1	M00004295B:D02	35362
51	1/28/98	51	RTA00000199R.k.07.1	M00003901C:A03	12973
52	1/28/98	52	RTA00000201R.b.02.1	M00004319D:G09	22660
53	1/28/98	53	RTA00000199AF.p.9.1	M00003988A:E10	10430
54	1/28/98	54	RTA00000200F.o.22.1	M00004282B:A04	983
55	1/28/98	55	RTA00000186AF.i.21.1	M00001636C:H09	6033
56	1/28/98	56	RTA00000177AF.e.9.1	M00001343D:C04	37442
57	1/28/98	57	RTA00000198AF.k.20.1	M00001660C:B12	22553
58	1/28/98	58	RTA00000199F.b.01.2	M00003778A:D08	19118
59	1/28/98	59	RTA00000195AF.b.13.1	M00001560D:A03	12605
59	2/24/98	78	RTA00000195AF.b.13.1	M00001560D:A03	12605
60	1/28/98	60	RTA00000196AR.i.12.3	M00001389D:G11	38800
61	1/28/98	61	RTA00000197AF.h.11.1	M00001476D:G03	22264
62	1/28/98	62	RTA00000190AF.a.18.2	M00003900D:B10	0
63	1/28/98	63	RTA00000184AF.k.19.1	M00001558B:D08	8022
64	1/28/98	64	RTA00000198AF.p.12.1	M00003763D:E10	8878
65	1/28/98	65	RTA00000198AF.m.16.1	M00001679D:D05	51
66	1/28/98	66	RTA00000199F.c.09.2	M00003800A:C09	16824
67	1/28/98	67	RTA00000200AF.g.07.1	M00004128B:G01	0
68	1/28/98	68	RTA00000184F.k.19.1	M00001558B:D08	8022
69	1/28/98	69	RTA00000186AF.h.8.1	M00001632C:C09	35547
70	1/28/98	70	RTA00000192AF.e.3.1	M00004138B:H02	13272
71	1/28/98	71	RTA00000193AR.o.16.3	M00004409B:A11	52972
72	1/28/98	72	RTA00000200F.a.6.1	M00004029B:F11	36952
73	1/28/98	73	RTA00000177AF.e.21.3	M00001344A:H07	4306
74	1/28/98	74	RTA00000196AF.h.20.1	M00001385B:F10	0
75	1/28/98	75	RTA00000180AR.h.19.2	M00001428A:H10	84182
76	1/28/98	76	RTA00000200AF.h.05.2	M00004142D:E10	10950
77	1/28/98	77	RTA00000197AF.n.2.1	M00001535A:D02	5229
78	1/28/98	78	RTA00000199R.f.09.1	M00003842B:D09	22907
79	1/28/98	79	RTA00000199AF.p.4.1	M00003985C:F01	10282
80	1/28/98	80	RTA00000196AF.p.13.2	M00001432A:E06	6125
81	1/28/98	81	RTA00000196AF.b.15.1	M00001347B:E01	5102
82	1/28/98	82	RTA00000183AF.l.18.1	M00001535D:C01	3484
83	1/28/98	83	RTA00000186AF.f.24.2	M00001629B:E06	0
84	1/28/98	84	RTA00000191AF.h.14.1	M00004056B:D09	13553
85	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
86	1/28/98	86	RTA00000189AF.l.22.1	M00003879C:G10	33333
87	2/24/98	245	RTA00000195AF.d.20.1	M00004117A:D11	37574
87	1/28/98	87	RTA00000195AF.d.20.1	M00004117A:D11	37574
88	1/28/98	88	RTA00000197AF.e.23.1	M00001456B:C09	37157
89	1/28/98	89	RTA00000177AF.n.8.3	M00001356D:F06	4188
90	1/28/98	90	RTA00000199F.f.15.2	M00003845A:H12	8772
91	1/28/98	91	RTA00000198AF.j.19.1	M00001653C:F12	38914
92	1/28/98	92	RTA00000198AF.j.18.1	M00001653B:G07	22759
93	1/28/98	93	RTA00000200F.o.11.1	M00004270A:F11	0
94	1/28/98	94	RTA00000195AF.b.4.1	M00001490C:D07	0
95	1/28/98	95	RTA00000180AF.g.3.1	M00001425A:C11	9024
96	1/28/98	96	RTA00000197AF.j.20.1	M00001496C:C11	4915
97	1/28/98	97	RTA00000197AF.o.2.1	M00001541C:B07	5739

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
98	1/28/98	98	RTA00000200AF.f.14.1	M00004115D:C08	22051
99	1/28/98	99	RTA00000184AF.d.8.1	M00001548A:A08	4393
100	1/28/98	100	RTA00000200R.f.14.1	M00004115D:C08	22051
101	1/28/98	101	RTA00000191AF.d.08.2	M00003997B:G07	970
102	1/28/98	102	RTA00000199R.j.08.1	M00003884D:G07	37844
103	1/28/98	103	RTA00000199F.e.10.1	M00003822A:F02	22906
104	1/28/98	104	RTA00000196R.h.03.1	M00001381A:D02	6636
105	1/28/98	105	RTA00000179AF.g.12.3	M00001398A:G03	36390
106	1/28/98	106	RTA00000197AF.n.21.1	M00001540B:C09	0
107	1/28/98	107	RTA00000196R.i.13.1	M00001390A:A09	9857
108	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
109	1/28/98	109	RTA00000197AF.d.12.1	M00001451D:C10	39546
110	1/28/98	110	RTA00000197R.h.01.1	M00001470A:H01	13075
111	1/28/98	111	RTA00000198AF.o.12.1	M00003751D:B02	22038
112	1/28/98	112	RTA00000177AF.m.8.1	M00001354C:C10	8010
113	1/28/98	113	RTA00000196AF.d.09.1	M00001354B:B10	16934
114	1/28/98	114	RTA00000200R.f.02.1	M00004108A:A09	7138
115	1/28/98	115	RTA00000179AR.o.20.3	M00001409D:F11	2409
116	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
117	1/28/98	117	RTA00000199AF.j.18.1	M00003889D:B09	5140
118	1/28/98	118	RTA00000199F.b.24.2	M00003794A:B03	0
119	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
120	1/28/98	120	RTA00000178AR.m.19.5	M00001384D:H07	0
121	1/28/98	121	RTA00000199AF.o.16.1	M00003979A:F03	16721
122	1/28/98	122	RTA00000197AF.l.15.1	M00001517B:G08	4947
123	1/28/98	123	RTA00000191AF.k.6.1	M00004078B:A11	5451
124	1/28/98	124	RTA00000199AR.m.06.1	M00003933C:D06	19122
125	1/28/98	125	RTA00000197AF.k.15.1	M00001504D:D11	22750
126	1/28/98	126	RTA00000201F.d.16.1	M00001388B:A08	0
127	1/28/98	127	RTA00000178AF.k.18.1	M00001382A:F04	9755
128	1/28/98	128	RTA00000196F.i.12.1	M00001389D:G11	38800
129	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
130	1/28/98	130	RTA00000196AF.h.23.1	M00001386A:C02	13357
131	1/28/98	131	RTA00000185AF.d.11.2	M00001579D:C03	6539
132	1/28/98	132	RTA00000178AF.f.20.3	M00001372C:F07	39881
133	1/28/98	133	RTA00000181AR.n.20.3	M00001457B:E03	0
134	1/28/98	134	RTA00000197F.e.11.1	M00001454B:G03	2306
135	1/28/98	135	RTA00000196AF.c.22.1	M00001352D:C05	22548
136	1/28/98	136	RTA00000197AF.c.10.1	M00001448B:F06	10400
137	1/28/98	137	RTA00000181AF.m.4.3	M00001455A:E09	13238
138	1/28/98	138	RTA00000182AF.a.3.3	M00001462B:A10	0
139	1/28/98	139	RTA00000191AF.d.01.2	M00003996A:A06	7031
140	1/28/98	140	RTA00000199F.a.2.1	M00003772A:D07	12674
141	1/28/98	141	RTA00000196AF.c.6.1	M00001350A:D06	23148
142	1/28/98	142	RTA00000198AF.k.19.1	M00001660B:C04	75879
143	1/28/98	143	RTA00000199R.h.09.1	M00003867C:H09	76020
144	1/28/98	144	RTA00000198AF.o.18.1	M00003755A:A09	13018
145	1/28/98	145	RTA00000178AF.h.24.1	M00001376B:C06	6745
146	1/28/98	146	RTA00000185AF.a.19.2	M00001571C:H06	5749
147	1/28/98	147	RTA00000185AF.c.24.2	M00001578B:E04	23001

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
148	1/28/98	148	RTA00000199F.h.17.2	M00003871A:A05	36254
149	1/28/98	149	RTA00000181AR.h.06.3	M00001450D:D04	87226
150	1/28/98	150	RTA00000184F.k.09.1	M00001557C:H07	7065
151	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
152	1/28/98	152	RTA00000196AF.c.20.1	M00001352C:H02	8934
153	1/28/98	153	RTA00000200F.n.17.2	M00004252C:E03	19064
154	1/28/98	154	RTA00000196F.e.7.1	M00001360D:E11	1039
155	1/28/98	155	RTA00000197F.e.8.1	M00001454A:C11	3135
156	1/28/98	156	RTA00000199R.o.12.1	M00003977A:E04	16128
157	1/28/98	157	RTA00000188AF.n.01.1	M00003801A:B10	36412
158	1/28/98	158	RTA00000198AF.k.03.1	M00001655A:F06	22765
159	1/28/98	159	RTA00000182AF.l.12.1	M00001487A:A05	1027
160	1/28/98	160	RTA00000192AF.b.20.1	M00004118D:E08	0
161	1/28/98	161	RTA00000183AF.e.23.2	M00001506D:A09	0
162	1/28/98	162	RTA00000201F.e.15.1	M00004444B:D11	9960
163	1/28/98	163	RTA00000192AR.e.13.3	M00004142A:B12	9457
164	1/28/98	164	RTA00000193AR.i.14.4	M00004307C:A06	9457
165	1/28/98	165	RTA00000192AF.g.23.1	M00004157C:A09	6455
166	1/28/98	166	RTA00000198AF.f.21.1	M00001614D:D09	22676
167	1/28/98	167	RTA00000179AF.d.22.3	M00001394C:C11	7955
168	1/28/98	168	RTA00000177AR.k.23.1	M00001352D:D02	35550
169	1/28/98	169	RTA00000196AF.g.24.1	M00001380C:F02	8685
170	1/28/98	170	RTA00000197AF.d.23.1	M00001453A:E11	16130
171	1/28/98	171	RTA00000198R.c.07.1	M00001575D:G05	19181
172	1/28/98	172	RTA00000186AF.p.09.2	M00001655C:E04	6879
173	1/28/98	173	RTA00000200AR.b.07.1	M00004039C:C01	17125
174	1/28/98	174	RTA00000181AF.e.22.3	M00001448D:F09	3442
175	1/28/98	175	RTA00000200F.i.5.1	M00004156B:A12	22892
176	1/28/98	176	RTA00000183AF.h.19.1	M00001528A:A01	5175
177	1/28/98	177	RTA00000197AF.c.3.1	M00001447C:C01	3145
178	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
179	1/28/98	179	RTA00000179AF.f.20.3	M00001397B:B09	16154
180	1/28/98	180	RTA00000199AF.j.12.1	M00003887A:A06	22461
181	1/28/98	181	RTA00000198AF.d.2.1	M00001585A:F07	0
182	1/28/98	182	RTA00000196AF.h.16.1	M00001384C:E03	39895
183	1/28/98	183	RTA00000198AF.c.17.1	M00001579C:E08	6923
184	1/28/98	184	RTA00000197AF.f.7.1	M00001457C:C11	19261
185	2/24/98	234	RTA00000195AF.d.4.1	M00003881D:D06	22766
185	1/28/98	185	RTA00000195AF.d.4.1	M00003881D:D06	22766
186	1/28/98	186	RTA00000198R.p.09.1	M00003761D:E02	10473
187	1/28/98	187	RTA00000180AR.j.04.4	M00001429C:G12	22300
188	1/28/98	188	RTA00000188AF.o.05.1	M00003806D:G05	4668
189	1/28/98	189	RTA00000197AF.h.10.1	M00001476B:F10	15554
190	1/28/98	190	RTA00000134A.c.7.1	M00001528A:A01	5175
191	1/28/98	191	RTA00000187AF.p.23.1	M00003748B:F02	39804
192	1/28/98	192	RTA00000185AF.m.7.1	M00001605C:D12	39804
193	1/28/98	193	RTA00000199AF.n.3.1	M00003946D:C11	0
194	1/28/98	194	RTA00000200R.k.01.1	M00004188C:A09	40049
195	1/28/98	195	RTA00000198AF.c.10.1	M00001577B:H02	77149
196	1/28/98	196	RTA00000198F.e.10.1	M00001599B:E09	9727

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
197	1/28/98	197	RTA00000198F.l.12.1	M00001669C:B01	8592
198	1/28/98	198	RTA00000197AR.e.07.1	M00001453D:G12	86969
199	1/28/98	199	RTA00000199R.c.09.1	M00003800A:C09	16824
200	1/28/98	200	RTA00000182AF.f.2.1	M00001469D:D02	4794
201	1/28/98	201	RTA00000198AF.p.18.1	M00003769B:D03	23081
202	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
203	1/28/98	203	RTA00000201F.d.09.1	M00004380B:A05	1827
204	1/28/98	204	RTA00000180AR.o.5.2	M00001437D:C04	7848
205	1/28/98	205	RTA00000189AF.g.11.1	M00003858D:F12	0
206	1/28/98	206	RTA00000181AF.o.04.2	M00001457C:C12	22205
207	1/28/98	207	RTA00000199AF.l.19.1	M00003924B:D04	22460
208	1/28/98	208	RTA00000198AF.h.22.1	M00001635C:A03	22366
209	1/28/98	209	RTA00000182AF.c.5.1	M00001464D:F06	6397
210	1/28/98	210	RTA00000189AR.b.12.1	M00003829B:G03	17233
211	1/28/98	211	RTA00000199AF.m.15.1	M00003939A:A02	10101
212	1/28/98	212	RTA00000197AF.j.9.1	M00001494B:C01	13236
213	1/28/98	213	RTA00000200F.o.04.1	M00004260D:C12	12514
214	1/28/98	214	RTA00000200AF.f.22.1	M00004121C:F06	16521
215	1/28/98	215	RTA00000192AR.e.14.3	M00004142A:D08	3300
216	1/28/98	216	RTA00000188AF.g.9.1	M00003774B:B08	4959
217	1/28/98	217	RTA00000198AF.h.3.1	M00001625D:C07	22562
218	1/28/98	218	RTA00000188AF.o.18.1	M00003811D:A12	13678
219	1/28/98	219	RTA00000198AF.m.19.1	M00001680D:D02	40041
220	1/28/98	220	RTA00000200AF.h.01.2	M00004141D:A09	0
221	1/28/98	221	RTA00000189AF.i.17.1	M00003868C:H10	16814
222	1/28/98	222	RTA00000185AF.i.4.1	M00001594A:B12	13942
223	1/28/98	223	RTA00000197F.i.9.1	M00001488D:C10	0
224	1/28/98	224	RTA00000188AF.m.11.1	M00003799A:D09	0
225	1/28/98	225	RTA00000189AF.b.5.1	M00003828A:E04	3784
226	1/28/98	226	RTA00000191AR.o.09.4	M00004096A:G02	0
227	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
228	1/28/98	228	RTA00000187AR.h.15.2	M00001679A:A06	6660
229	1/28/98	229	RTA00000198AF.g.3.1	M00001615C:F03	0
230	1/28/98	230	RTA00000185AR.b.18.1	M00001575B:C09	12171
231	1/28/98	231	RTA00000192AF.l.13.2	M00004185C:C03	11443
232	1/28/98	232	RTA00000186AF.j.03.2	M00001638A:E07	0
233	1/28/98	233	RTA00000197AF.l.8.1	M00001511B:C06	39954
234	1/28/98	234	RTA00000191AF.f.8.1	M00004035A:A04	6541
235	1/28/98	235	RTA00000201AF.a.02.1	M00004295B:D02	35362
236	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
237	1/28/98	237	RTA00000197AF.k.10.1	M00001500D:B11	0
238	1/28/98	238	RTA00000187AR.k.12.1	M00001679D:F02	78415
239	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
240	1/28/98	240	RTA00000178AF.e.1.1	M00001369A:H12	2664
241	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
242	1/28/98	242	RTA00000198AF.m.17.1	M00001679D:F06	77992
243	1/28/98	243	RTA00000181AF.m.15.3	M00001455D:A11	12081
244	1/28/98	244	RTA00000199F.f.12.2	M00003844C:A08	8131
245	1/28/98	245	RTA00000200AF.k.7.1	M00004193C:G11	0
246	1/28/98	246	RTA00000199AF.l.4.1	M00003911D:B04	4410

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
247	1/28/98	247	RTA00000198AF.k.08.1	M00001656C:G08	17436
248	1/28/98	248	RTA00000198R.c.14.1	M00001578D:C04	39814
249	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
250	1/28/98	250	RTA00000192AF.j.21.1	M00004176D:B12	2289
251	1/28/98	251	RTA00000192AF.n.13.1	M00004197D:H01	8210
252	1/28/98	252	RTA00000181AF.e.18.3	M00001448D:C09	8
253	1/28/98	253	RTA00000181AF.e.17.3	M00001448D:C09	8
254	1/28/98	254	RTA00000178AF.n.2.1	M00001385C:H11	17083
255	1/28/98	255	RTA00000199AF.j.17.1	M00003889A:D10	5121
256	1/28/98	256	RTA00000184AR.e.15.1	M00001549C:E06	16347
257	1/28/98	257	RTA00000198AF.e.20.1	M00001604C:E09	9810
258	1/28/98	258	RTA00000199F.h.12.2	M00003868B:D12	16621
259	1/28/98	259	RTA00000197AF.j.4.1	M00001492D:A11	17209
260	1/28/98	260	RTA00000198R.m.17.1	M00001679D:F06	77992
261	1/28/98	261	RTA00000192AF.a.24.1	M00004114C:F11	13183
262	1/28/98	262	RTA00000186AF.c.17.1	M00001619D:G05	8551
263	1/28/98	263	RTA00000190AF.n.6.1	M00003965A:B11	0
264	1/28/98	264	RTA00000179AF.k.3.3	M00001401A:H07	0
265	1/28/98	265	RTA00000177AF.e.14.1	M00001343D:H07	23255
266	1/28/98	266	RTA00000199F.f.21.2	M00003847C:E09	13344
267	1/28/98	267	RTA00000186AF.g.11.2	M00001630B:H09	5214
268	1/28/98	268	RTA00000186AF.h.01.2	M00001632A:F12	0
269	1/28/98	269	RTA00000183AF.k.13.1	M00001534B:C12	0
270	1/28/98	270	RTA00000178R.l.08.1	M00001383A:C03	39648
271	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
272	1/28/98	272	RTA00000199F.g.08.2	M00003853D:G08	0
273	1/28/98	273	RTA00000201F.c.08.1	M00004353C:H07	0
274	1/28/98	274	RTA00000191AF.o.17.1	M00004102A:H02	5957
275	1/28/98	275	RTA00000191AF.e.17.2	M00004102A:H02	5957
276	1/28/98	276	RTA00000198AF.j.15.1	M00001653B:E09	4369
277	1/28/98	277	RTA00000198AR.i.08.1	M00001639A:F10	9807
278	1/28/98	278	RTA00000198AF.p.16.1	M00003768A:E02	71877
279	1/28/98	279	RTA00000196AF.h.24.1	M00001386A:D11	7308
280	1/28/98	280	RTA00000193AF.b.18.1	M00004233C:H09	7542
281	1/28/98	281	RTA00000188AF.n.10.1	M00003802D:B11	10283
282	1/28/98	282	RTA00000193AF.c.15.1	M00004248B:E08	3726
283	1/28/98	283	RTA00000177AF.i.8.4	M00001350A:H01	7187
284	1/28/98	284	RTA00000199F.d.10.2	M00003808C:B05	22049
285	1/28/98	285	RTA00000181AR.j.14.3	M00001453B:E10	5399
286	1/28/98	286	RTA00000181AR.k.2.3	M00001453C:A11	0
287	1/28/98	287	RTA00000200AF.b.07.1	M00004039C:C01	17125
288	1/28/98	288	RTA00000181AR.i.06.3	M00001452A:C07	19119
289	1/28/98	289	RTA00000196F.k.07.1	M00001399C:D09	22443
290	1/28/98	290	RTA00000201F.f.10.1	M00004498D:D05	5231
291	1/28/98	291	RTA00000200AF.e.16.1	M00004101C:G08	12068
292	1/28/98	292	RTA00000199AF.m.18.1	M00003939C:F04	0
293	1/28/98	293	RTA00000197AF.e.13.1	M00001454C:F02	662
294	1/28/98	294	RTA00000198AF.k.23.1	M00001661B:C08	8995
295	1/28/98	295	RTA00000181AR.i.19.2	M00001452C:B06	16970
296	1/28/98	296	RTA00000196AF.f.20.1	M00001371D:G01	22774

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
297	1/28/98	297	RTA00000178AF.f.9.3	M00001371C:E09	7172
298	1/28/98	298	RTA00000197AR.e.11.1	M00001454B:G03	2306
299	1/28/98	299	RTA00000196AF.f.5.1	M00001366D:G02	11937
300	2/24/98	464	RTA00000195AF.c.12.1	M00003818B:G12	37582
300	1/28/98	300	RTA00000195AF.c.12.1	M00003818B:G12	37582
301	1/28/98	301	RTA00000181AR.i.19.3	M00001452C:B06	16970
302	1/28/98	302	RTA00000186AF.d.1.2	M00001621C:C08	40044
303	1/28/98	303	RTA00000186AR.e.03.3	M00001623D:C10	22110
304	1/28/98	304	RTA00000182AR.c.5.1	M00001464D:F06	6397
305	1/28/98	305	RTA00000200AF.b.15.1	M00004040D:F01	10627
306	1/28/98	306	RTA00000199AF.p.12.1	M00003989A:H11	12578
307	1/28/98	307	RTA00000200F.n.05.2	M00004246C:A09	18989
308	1/28/98	308	RTA00000178AF.j.20.1	M00001380C:E05	15066
309	1/28/98	309	RTA00000198AF.h.12.1	M00001632C:A02	9503
310	1/28/98	310	RTA00000188AF.m.08.1	M00003798D:H08	22155
311	1/28/98	311	RTA00000191AR.j.4.2	M00004071D:A10	5198
312	1/28/98	312	RTA00000193AF.h.2.1	M00004290A:B03	3273
313	1/28/98	313	RTA00000183AF.o.11.1	M00001540D:D02	0
314	1/28/98	314	RTA00000182AF.o.5.1	M00001493B:D09	5007
315	1/28/98	315	RTA00000199R.d.23.1	M00003815D:H09	37477
316	1/28/98	316	RTA00000198AF.h.24.1	M00001636C:C01	8390
317	1/28/98	317	RTA00000198AF.p.09.1	M00003761D:E02	10473
318	1/28/98	318	RTA00000200AF.g.17.1	M00004138A:H09	0
319	1/28/98	319	RTA00000200F.n.05.1	M00004246C:A09	18989
320	1/28/98	320	RTA00000196AF.m.13.1	M00001415B:E09	16290
321	1/28/98	321	RTA00000181AR.b.21.1	M00001444C:D05	3266
322	1/28/98	322	RTA00000184AR.b.21.1	M00001546B:B02	39788
323	1/28/98	323	RTA00000182AF.m.21.1	M00001490C:C12	18699
324	1/28/98	324	RTA00000184AF.j.06.1	M00001556B:G02	11294
325	1/28/98	325	RTA00000182AF.d.18.4	M00001467D:H05	37435
326	1/28/98	326	RTA00000197AR.e.19.1	M00001455D:A09	8047
327	1/28/98	327	RTA00000182AF.i.1.3	M00001479B:A01	7033
328	1/28/98	328	RTA00000200AF.g.09.1	M00004131B:H09	22785
329	1/28/98	329	RTA00000186AF.b.9.1	M00001616C:F07	0
330	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
331	1/28/98	331	RTA00000197AR.c.20.1	M00001449D:A06	16282
332	1/28/98	332	RTA00000193AR.n.04.3	M00004375C:D01	9850
333	1/28/98	333	RTA00000196F.k.15.1	M00001400A:F06	8320
334	1/28/98	334	RTA00000181AR.b.21.3	M00001444C:D05	3266
335	1/28/98	335	RTA00000182AF.e.3.2	M00001468B:H06	0
336	1/28/98	336	RTA00000186AF.f.24.1	M00001629B:E06	0
337	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
338	1/28/98	338	RTA00000184AF.i.1.1	M00001554B:C07	0
339	1/28/98	339	RTA00000193AF.d.1.1	M00004250D:D10	0
340	1/28/98	340	RTA00000185AF.n.8.1	M00001608B:A03	0
341	1/28/98	341	RTA00000181AF.l.06.2	M00001454C:C08	0
342	1/28/98	342	RTA00000196AF.d.10.1	M00001354C:B06	22256
343	1/28/98	343	RTA00000201F.a.18.1	M00004314B:G07	16837
344	1/28/98	344	RTA00000198AF.o.02.1	M00003748A:B07	68756
345	1/28/98	345	RTA00000187AF.h.21.1	M00001679A:F01	39171

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
346	1/28/98	346	RTA00000197AR.k.22.1	M00001505C:H01	11394
347	1/28/98	347	RTA00000199F.b.03.2	M00003779B:E12	38340
348	1/28/98	348	RTA00000200F.n.07.2	M00004247C:C12	8663
349	1/28/98	349	RTA00000191AF.j.15.1	M00004073B:B01	6308
350	1/28/98	350	RTA00000193AR.c.7.2	M00004241D:F11	9850
351	1/28/98	351	RTA00000179AF.c.22.1	M00001393B:B09	22515
352	1/28/98	352	RTA00000197AF.p.3.1	M00001550A:A03	7239
353	1/28/98	353	RTA00000198F.a.9.1	M00001557D:C08	0
354	1/28/98	354	RTA00000198R.k.03.1	M00001655A:F06	22765
355	1/28/98	355	RTA00000184AR.b.24.1	M00001546B:C05	5777
356	1/28/98	356	RTA00000180AF.l.12.2	M00001433B:H11	0
357	1/28/98	357	RTA00000184AF.o.15.1	M00001564D:C09	0
358	1/28/98	358	RTA00000198AF.g.7.1	M00001616C:C09	13386
359	1/28/98	359	RTA00000196AF.b.17.1	M00001348A:D04	12193
360	1/28/98	360	RTA00000198F.i.5.1	M00001638A:D10	39989
361	1/28/98	361	RTA00000177AR.g.16.4	M00001347A:B10	13576
362	1/28/98	362	RTA00000197AR.c.24.1	M00001450A:B12	82498
363	1/28/98	363	RTA00000196AF.e.14.1	M00001362C:A10	12850
364	1/28/98	364	RTA00000187AF.g.13.1	M00001676C:C11	2991
365	1/28/98	365	RTA00000196F.l.20.2	M00001410B:G05	22678
366	1/28/98	366	RTA00000192AF.o.19.1	M00004208D:H08	3549
367	1/28/98	367	RTA00000196F.i.24.1	M00001392C:D10	4233
368	1/28/98	368	RTA00000198AF.k.18.1	M00001660A:C12	17432
369	1/28/98	369	RTA00000196F.m.3.1	M00001413A:F02	10453
370	1/28/98	370	RTA00000179AF.c.15.3	M00001392D:H06	2995
371	1/28/98	371	RTA00000197F.e.7.1	M00001453D:G12	86969
372	1/28/98	372	RTA00000186AF.d.23.1	M00001623B:G07	22187
373	1/28/98	373	RTA00000196F.e.12.1	M00001361C:H11	10147
374	1/28/98	374	RTA00000178AF.l.11.1	M00001383A:G04	23286
375	1/28/98	375	RTA00000177AF.m.18.1	M00001355B:G11	0
376	1/28/98	376	RTA00000177AF.m.18.3	M00001355B:G11	0
377	1/28/98	377	RTA00000178AF.m.19.1	M00001384D:H07	0
378	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
379	1/28/98	379	RTA00000180AF.l.06.2	M00001433A:G07	5625
380	1/28/98	380	RTA00000182AF.k.24.1	M00001485D:B10	5625
381	1/28/98	381	RTA00000199AF.m.14.1	M00003938A:B04	10580
382	1/28/98	382	RTA00000200AF.j.6.1	M00004176B:E08	22902
383	1/28/98	383	RTA00000199F.f.20.2	M00003847B:G03	0
384	1/28/98	384	RTA00000196AF.h.17.1	M00001384C:F12	39215
385	1/28/98	385	RTA00000201F.c.24.1	M00004374D:E10	35731
386	1/28/98	386	RTA00000197AR.j.04.1	M00001492D:A11	17209
387	2/24/98	632	RTA00000191AF.j.14.1	M00004073A:H12	1002
387	1/28/98	387	RTA00000191AF.j.14.1	M00004073A:H12	1002
388	1/28/98	388	RTA00000185AF.n.17.1	M00001609B:A11	5336
389	1/28/98	389	RTA00000181AR.k.2.2	M00001453C:A11	0
390	1/28/98	390	RTA00000197AR.f.07.1	M00001457C:C11	19261
391	1/28/98	391	RTA00000179AF.e.20.3	M00001396A:C03	4009
392	1/28/98	392	RTA00000185AF.b.11.2	M00001573C:D03	9024
393	1/28/98	393	RTA00000188AF.b.14.1	M00003754D:D02	0
394	1/28/98	394	RTA00000198AF.p.22.1	M00003771A:G10	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
395	1/28/98	395	RTA00000196R.c.21.2	M00001352C:H10	0
396	1/28/98	396	RTA00000179AR.b.02.3	M00001391B:G12	0
397	1/28/98	397	RTA00000198AF.b.22.1	M00001571B:E03	38956
398	1/28/98	398	RTA00000177AR.l.13.3	M00001353A:G12	8078
399	1/28/98	399	RTA00000186AF.m.15.2	M00001649C:B10	40122
400	1/28/98	400	RTA00000186AR.e.07.3	M00001623D:G03	4175
401	1/28/98	401	RTA00000195F.e.04.1	M00004465B:D04	6731
402	1/28/98	402	RTA00000177AF.b.21.4	M00001341A:F12	4443
403	1/28/98	403	RTA00000184AF.f.13.1	M00001550D:H02	3784
404	1/28/98	404	RTA00000195AF.b.6.1	M00001496C:G10	39490
405	1/28/98	405	RTA00000197AF.b.24.1	M00001446C:D09	23171
406	1/28/98	406	RTA00000199F.f.09.2	M00003842B:D09	22907
407	1/28/98	407	RTA00000178AF.e.20.1	M00001370D:E12	3135
408	1/28/98	408	RTA00000183AR.l.15.1	M00001535C:E01	39383
409	1/28/98	409	RTA00000180AF.d.1.3	M00001418D:B06	8526
410	1/28/98	410	RTA00000201F.a.20.1	M00004316A:G09	22639
411	1/28/98	411	RTA00000179AF.j.13.3	M00001400B:H06	0
412	2/24/98	678	RTA00000195AF.c.24.1	M00003860D:H07	0
412	1/28/98	412	RTA00000195AF.c.24.1	M00003860D:H07	0
413	1/28/98	413	RTA00000200F.a.12.1	M00004031D:B05	16751
414	1/28/98	414	RTA00000185AR.b.15.1	M00001573D:F04	39813
415	1/28/98	415	RTA00000200AF.f.09.1	M00004111C:E11	12863
416	1/28/98	416	RTA00000199F.a.5.1	M00003773B:G01	22134
417	1/28/98	417	RTA00000200R.d.16.1	M00004085A:B02	39875
418	1/28/98	418	RTA00000187AR.k.01.1	M00001679D:B05	78356
419	1/28/98	419	RTA00000182AF.j.20.1	M00001483B:D03	4769
420	1/28/98	420	RTA00000181AF.c.11.1	M00001445D:A06	4769
421	1/28/98	421	RTA00000200AF.i.21.1	M00004167D:A07	5316
422	1/28/98	422	RTA00000189AF.b.12.1	M00003829B:G03	17233
423	1/28/98	423	RTA00000188AR.b.17.1	M00003755A:B03	10662
424	1/28/98	424	RTA00000187AR.j.24.1	M00001679D:B05	78356
425	1/28/98	425	RTA00000200AF.c.16.1	M00004064D:A11	23433
426	1/28/98	426	RTA00000199AF.o.19.1	M00003980D:E09	36927
427	1/28/98	427	RTA00000187AR.d.9.2	M00001664D:G07	5483
428	1/28/98	428	RTA00000185AF.b.15.2	M00001573D:F04	39813
429	1/28/98	429	RTA00000196F.i.19.1	M00001390C:C11	39498
430	1/28/98	430	RTA00000198R.k.23.1	M00001661B:C08	8995
431	1/28/98	431	RTA00000199AF.k.15.1	M00003905C:G10	8275
432	1/28/98	432	RTA00000198AF.o.05.1	M00003750A:D01	26702
433	1/28/98	433	RTA00000198R.j.18.1	M00001653B:G07	22759
434	1/28/98	434	RTA00000187AR.d.2.2	M00001664C:H10	4892
435	1/28/98	435	RTA00000182AR.c.22.1	M00001467A:D08	16283
436	1/28/98	436	RTA00000200AF.k.11.1	M00004197C:F03	9796
437	1/28/98	437	RTA00000198R.a.23.1	M00001563B:D11	10700
438	1/28/98	438	RTA00000180AR.g.03.4	M00001425A:C11	9024
439	1/28/98	439	RTA00000185AF.d.14.2	M00001579D:G07	8071
440	1/28/98	440	RTA00000177AR.f.13.4	M00001345A:G11	10480
441	1/28/98	441	RTA00000185AF.e.6.1	M00001583B:E10	0
442	1/28/98	442	RTA00000191AF.l.9.1	M00004081C:H06	0
443	1/28/98	443	RTA00000197AR.i.17.1	M00001490A:E11	3516

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
444	1/28/98	444	RTA00000189AF.l.16.1	M00003879A:G05	0
445	1/28/98	445	RTA00000196AF.n.13.1	M00001422C:F12	8396
446	1/28/98	446	RTA00000182AF.a.23.3	M00001463A:F06	9755
447	1/28/98	447	RTA00000198AF.d.8.1	M00001587A:H03	0
448	1/28/98	448	RTA00000200AF.j.9.1	M00004177C:A01	8608
449	1/28/98	449	RTA00000181AF.m.22.3	M00001455D:F09	9283
450	1/28/98	450	RTA00000181AF.m.21.3	M00001455D:F09	9283
451	1/28/98	451	RTA00000200AF.b.20.1	M00004043A:D02	40403
452	1/28/98	452	RTA00000199F.d.19.2	M00003813D:H12	6707
453	1/28/98	453	RTA00000199AF.i.20.1	M00003881A:D09	9544
454	1/28/98	454	RTA00000200R.d.04.1	M00004078A:A06	5506
455	1/28/98	455	RTA00000198AF.d.12.1	M00001589A:C01	21142
456	1/28/98	456	RTA00000200AF.b.12.1	M00004040B:F10	22053
457	1/28/98	457	RTA00000191AR.l.7.2	M00004081C:D12	14391
458	1/28/98	458	RTA00000199R.d.16.1	M00003812C:A05	24191
459	1/28/98	459	RTA00000179AF.c.22.3	M00001393B:B09	22515
460	1/28/98	460	RTA00000179AF.c.15.1	M00001392D:H06	2995
461	1/28/98	461	RTA00000190AF.e.13.1	M00003908A:H09	38961
462	1/28/98	462	RTA00000196AF.n.17.1	M00001423D:A09	12477
463	1/28/98	463	RTA00000177AR.k.23.4	M00001352D:D02	35550
464	1/28/98	464	RTA00000199AF.l.14.1	M00003917A:D02	22865
465	1/28/98	465	RTA00000187AF.k.20.1	M00001680B:C01	3648
466	1/28/98	466	RTA00000177AF.p.20.1	M00001361A:A05	4141
467	1/28/98	467	RTA00000195AF.b.19.1	M00001589A:D12	77678
468	1/28/98	468	RTA00000198AF.a.18.1	M00001561C:E11	0
469	1/28/98	469	RTA00000190AF.n.2.1	M00003963A:E03	5650
470	1/28/98	470	RTA00000198AF.f.16.1	M00001614A:E06	0
471	1/28/98	471	RTA00000188AF.e.2.1	M00003763B:H01	0
472	1/28/98	472	RTA00000192AF.p.17.1	M00004214C:H05	11651
473	1/28/98	473	RTA00000196F.i.3.1	M00001387A:E10	0
474	1/28/98	474	RTA00000192AR.d.1.3	M00004130D:H01	14507
475	1/28/98	475	RTA00000187AR.m.3.3	M00001682C:B12	17055
476	1/28/98	476	RTA00000200R.g.15.1	M00004135B:G01	22898
477	1/28/98	477	RTA00000180AR.e.22.2	M00001423A:G05	7714
478	1/28/98	478	RTA00000192AR.o.24.2	M00004210B:B05	7191
479	1/28/98	479	RTA00000197R.l.22.1	M00001528A:C11	6962
480	1/28/98	480	RTA00000181AF.o.08.2	M00001457C:H12	849
481	1/28/98	481	RTA00000179AR.l.22.2	M00001405B:E09	4314
482	1/28/98	482	RTA00000187AF.j.7.1	M00001679C:F01	78091
483	1/28/98	483	RTA00000192AF.h.19.1	M00004162C:A07	4642
484	1/28/98	484	RTA00000199F.g.20.2	M00003860D:A01	15767
485	1/28/98	485	RTA00000196AF.c.14.1	M00001352B:F04	23105
486	1/28/98	486	RTA00000190AR.p.22.2	M00003979A:E11	16368
487	1/28/98	487	RTA00000198F.i.8.1	M00001639A:F10	9807
488	1/28/98	488	RTA00000179AR.l.22.4	M00001405B:E09	4314
489	1/28/98	489	RTA00000186AF.h.22.1	M00001634B:C10	16485
490	1/28/98	490	RTA00000198AF.n.05.1	M00001687A:G01	24157
491	1/28/98	491	RTA00000196F.k.11.1	M00001399C:H12	3
492	1/28/98	492	RTA00000198AF.b.8.1	M00001567C:H12	22636
493	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
494	1/28/98	494	RTA00000200AF.k.1.1	M00004188C:A09	40049
495	1/28/98	495	RTA00000185AF.j.21.1	M00001597A:E12	0
496	1/28/98	496	RTA00000190AF.p.3.1	M00003975B:F03	2378
497	1/28/98	497	RTA00000198AF.o.09.1	M00003751B:A05	4310
498	1/28/98	498	RTA00000190AF.h.12.1	M00003917C:D03	12977
499	1/28/98	499	RTA00000199F.b.22.2	M00003791C:E09	17018
500	1/28/98	500	RTA00000179AR.m.07.5	M00001405D:D11	0
501	1/28/98	501	RTA00000200R.k.11.1	M00004197C:F03	9796
502	1/28/98	502	RTA00000197AF.o.23.1	M00001549A:A09	12682
503	1/28/98	503	RTA00000197AF.k.9.1	M00001500C:C08	3138
504	1/28/98	504	RTA00000198AF.g.2.1	M00001615C:D02	16640
505	1/28/98	505	RTA00000188AF.n.03.1	M00003801B:B10	9443
506	1/28/98	506	RTA00000198R.o.09.1	M00003751B:A05	4310
507	1/28/98	507	RTA00000198AF.c.5.1	M00001573D:F10	53802
508	1/28/98	508	RTA00000187AF.i.14.2	M00001679B:H07	19406
509	1/28/98	509	RTA00000183AF.p.17.1	M00001543A:H12	5158
510	1/28/98	510	RTA00000178AF.n.23.1	M00001387B:E02	3298
511	1/28/98	511	RTA00000196AF.g.10.1	M00001376B:A02	12498
512	1/28/98	512	RTA00000191AF.c.3.1	M00003987D:D06	3549
513	1/28/98	513	RTA00000197AF.h.14.1	M00001477B:F04	7045
514	1/28/98	514	RTA00000196AF.n.02.1	M00001417D:A04	39260
515	1/28/98	515	RTA00000196AF.f.18.1	M00001370D:A12	14506
516	1/28/98	516	RTA00000200AF.e.23.1	M00004107B:A06	14686
517	1/28/98	517	RTA00000184AF.e.14.1	M00001549C:D02	16347
518	1/28/98	518	RTA00000199AF.n.22.1	M00003971A:A06	23064
519	1/28/98	519	RTA00000183AF.a.24.2	M00001499B:A11	10539
520	1/28/98	520	RTA00000195AF.c.8.1	M00001678B:H01	0
520	2/24/98	958	RTA00000195AF.c.8.1	M00001678B:H01	0
521	1/28/98	521	RTA00000197AF.p.12.1	M00001552B:G05	0
522	1/28/98	522	RTA00000178AR.h.17.2	M00001376A:C05	23824
523	1/28/98	523	RTA00000198AF.d.4.1	M00001586D:E02	22435
524	1/28/98	524	RTA00000191AF.j.24.1	M00004076B:G03	0
525	1/28/98	525	RTA00000198AF.c.7.1	M00001575D:G05	19181
526	1/28/98	526	RTA00000185AF.e.20.1	M00001585A:D06	5865
527	1/28/98	527	RTA00000198R.m.23.1	M00001684B:G03	38469
528	1/28/98	528	RTA00000200F.n.09.2	M00004249D:B08	12391
529	1/28/98	529	RTA00000178AF.b.13.1	M00001364A:E11	3114
530	1/28/98	530	RTA00000185AF.d.24.2	M00001582D:F05	0
531	1/28/98	531	RTA00000195F.a.3.1	M00001368A:A03	27179
532	1/28/98	532	RTA00000177AF.o.4.1	M00001358C:C06	0
533	1/28/98	533	RTA00000177AR.m.13.4	M00001355A:C12	4175
534	1/28/98	534	RTA00000201AF.e.01.1	M00004405D:C04	11397
535	1/28/98	535	RTA00000196AF.n.19.1	M00001423D:D12	6881
536	1/28/98	536	RTA00000193AR.a.2.3	M00004216D:D03	0
537	1/28/98	537	RTA00000188AF.g.14.1	M00003774C:D02	0
538	1/28/98	538	RTA00000177AR.m.13.3	M00001355A:C12	4175
539	1/28/98	539	RTA00000197AR.b.13.1	M00001445B:E04	9560
540	1/28/98	540	RTA00000179AF.b.10.3	M00001391D:D10	0
541	1/28/98	541	RTA00000197AR.b.16.1	M00001445C:A08	0
542	1/28/98	542	RTA00000198R.p.12.1	M00003763D:E10	8878

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
543	1/28/98	543	RTA00000200AF.i.19.1	M00004167A:H03	14722
544	1/28/98	544	RTA00000196F.j.13.1	M00001396D:B03	23170
545	1/28/98	545	RTA00000196F.a.2.1	M00001338B:E02	3575
546	1/28/98	546	RTA00000197F.i.6.1	M00001487C:D06	12149
547	1/28/98	547	RTA00000196AF.g.8.1	M00001375B:G12	39665
548	1/28/98	548	RTA00000179AF.f.23.3	M00001397B:G03	35258
549	1/28/98	549	RTA00000198AF.c.16.1	M00001579C:B11	26801
550	1/28/98	550	RTA00000183AF.g.14.1	M00001513D:A03	0
551	1/28/98	551	RTA00000200AR.c.24.1	M00004076D:D04	15972
552	1/28/98	552	RTA00000193AF.b.24.1	M00004237D:D08	35
553	1/28/98	553	RTA00000201F.b.22.1	M00004344B:H04	35728
554	1/28/98	554	RTA00000186AR.e.07.4	M00001623D:G03	4175
555	1/28/98	555	RTA00000198AF.j.08.1	M00001651B:A11	10983
556	1/28/98	556	RTA00000199F.f.17.2	M00003845D:B04	22905
557	1/28/98	557	RTA00000198AF.d.9.1	M00001587D:A10	8841
558	1/28/98	558	RTA00000186AR.h.14.1	M00001632D:H07	0
559	1/28/98	559	RTA00000197AF.p.20.1	M00001554B:B07	22795
560	1/28/98	560	RTA00000184AF.i.23.3	M00001556A:F11	1577
561	1/28/98	561	RTA00000185AR.d.10.1	M00001579C:H10	0
562	1/28/98	562	RTA00000196F.j.12.1	M00001396A:H03	19294
563	1/28/98	563	RTA00000192AR.o.16.2	M00004208B:F05	9061
564	1/28/98	564	RTA00000200AF.g.18.1	M00004138B:B11	1600
565	1/28/98	565	RTA00000191AF.c.10.1	M00003989B:F11	40422
566	1/28/98	566	RTA00000195F.a.4.1	M00001372C:G12	20470
567	1/28/98	567	RTA00000177AR.m.13.1	M00001355A:C12	4175
568	1/28/98	568	RTA00000196AF.p.01.2	M00001430A:A02	87143
569	1/28/98	569	RTA00000196AF.l.23.1	M00001412A:E04	12052
570	1/28/98	570	RTA00000183AF.a.19.2	M00001499A:A05	3788
571	1/28/98	571	RTA00000198AF.b.14.1	M00001569C:B06	801
572	1/28/98	572	RTA00000181AF.l.16.2	M00001454D:E05	13532
573	1/28/98	573	RTA00000196AF.b.7.1	M00001344A:G07	7774
574	1/28/98	574	RTA00000192AF.f.3.1	M00004146C:C11	5257
575	1/28/98	575	RTA00000186AF.l.12.2	M00001645A:C12	19267
576	1/28/98	576	RTA00000196AF.c.7.1	M00001350B:G11	0
577	1/28/98	577	RTA00000190AF.a.24.2	M00003901B:A05	0
578	1/28/98	578	RTA00000180AF.g.17.1	M00001426A:A09	16653
579	1/28/98	579	RTA00000200F.i.7.1	M00004157D:B03	22322
580	1/28/98	580	RTA00000197F.a.12.1	M00001438B:B09	7895
581	1/28/98	581	RTA00000191AF.p.3.2	M00004104B:F11	17
582	1/28/98	582	RTA00000178AR.d.12.4	M00001368A:D07	2476
583	1/28/98	583	RTA00000190AR.h.12.2	M00003917C:D03	12977
584	1/28/98	584	RTA00000190AR.c.03.1	M00003904C:A08	0
585	1/28/98	585	RTA00000198AF.n.18.1	M00001771A:A07	16715
586	1/28/98	586	RTA00000199R.o.11.1	M00003976C:A10	23172
587	1/28/98	587	RTA00000199F.a.3.1	M00003772D:E10	16617
588	1/28/98	588	RTA00000191AF.b.4.1	M00003983C:F03	14936
589	1/28/98	589	RTA00000192AF.l.1.1	M00004183C:D07	16392
590	1/28/98	590	RTA00000190AF.d.2.1	M00003906B:F12	2444
591	1/28/98	591	RTA00000197AF.h.1.1	M00001470A:H01	13075
592	1/28/98	592	RTA00000186AF.e.18.1	M00001624C:A06	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
593	1/28/98	593	RTA00000196R.c.14.2	M00001352B:F04	23105
594	1/28/98	594	RTA00000181AR.e.04.3	M00001448A:G09	11825
595	1/28/98	595	RTA00000195R.a.06.1	M00001394A:E04	35265
595	2/24/98	1065	RTA00000195R.a.06.1	M00001394A:E04	35265
596	1/28/98	596	RTA00000184AF.d.9.1	M00001548A:B11	6515
597	1/28/98	597	RTA00000198F.a.4.1	M00001557A:F01	9635
598	1/28/98	598	RTA00000197F.e.10.1	M00001454B:D08	13154
599	1/28/98	599	RTA00000179AF.o.5.1	M00001408D:D04	6172
600	1/28/98	600	RTA00000177AF.g.4.1	M00001346B:B07	4119
601	1/28/98	601	RTA00000184AF.i.10.2	M00001555A:B01	3744
602	1/28/98	602	RTA00000195AF.b.21.1	M00001595B:A09	39055
602	2/24/98	317	RTA00000195AF.b.21.1	M00001595B:A09	39055
603	1/28/98	603	RTA00000183AR.d.11.3	M00001504D:G06	6420
604	1/28/98	604	RTA00000200AF.j.15.1	M00004185D:E04	5849
605	1/28/98	605	RTA00000196F.e.9.1	M00001361A:H07	23300
606	1/28/98	606	RTA00000179AR.e.01.4	M00001395A:C09	2493
607	1/28/98	607	RTA00000200AF.k.12.1	M00004198B:D02	7359
608	1/28/98	608	RTA00000192AF.p.8.1	M00004212B:C07	2379
609	1/28/98	609	RTA00000196AF.n.05.1	M0000418B:F07	12531
610	1/28/98	610	RTA00000200AF.k.2.1	M00004188D:G08	35924
611	1/28/98	611	RTA00000196F.l.13.2	M00001408A:H04	0
612	1/28/98	612	RTA00000197AR.e.22.1	M00001456A:H02	78758
613	1/28/98	613	RTA00000177AF.k.18.4	M00001352C:A05	53729
614	1/28/98	614	RTA00000201F.f.03.1	M00004493B:D09	22633
615	1/28/98	615	RTA00000197R.p.20.1	M00001554B:B07	22795
616	1/28/98	616	RTA00000188AF.m.07.1	M00003798D:E03	23183
617	1/28/98	617	RTA00000179AF.d.13.3	M00001394A:F01	6583
618	1/28/98	618	RTA00000192AF.a.14.1	M00004111D:A08	6874
619	1/28/98	619	RTA00000201F.g.08.1	M00004692A:E07	0
620	1/28/98	620	RTA00000201R.g.08.1	M00004692A:E07	0
621	1/28/98	621	RTA00000201R.g.08.2	M00004692A:E07	0
622	1/28/98	622	RTA00000186AR.m.14.2	M00001649B:G12	9800
623	1/28/98	623	RTA00000198R.b.24.1	M00001571D:B11	19047
624	1/28/98	624	RTA00000200F.o.15.1	M00004275A:B03	7866
625	1/28/98	625	RTA00000196AF.c.19.1	M00001352C:G09	5935
626	1/28/98	626	RTA00000185AR.d.11.1	M00001579D:C03	6539
627	1/28/98	627	RTA00000199F.h.15.2	M00003870A:C05	22269
628	1/28/98	628	RTA00000198AF.g.16.1	M00001621D:D03	6602
629	1/28/98	629	RTA00000199R.m.23.1	M00003945A:E09	40166
630	1/28/98	630	RTA00000183AR.g.03.2	M00001512D:G09	3956
631	1/28/98	631	RTA00000200AF.h.19.2	M00004151D:E03	0
632	1/28/98	632	RTA00000183AR.g.03.1	M00001512D:G09	3956
633	1/28/98	633	RTA00000197F.i.8.1	M00001488A:E01	6292
634	1/28/98	634	RTA00000192AF.j.6.1	M00004172C:D08	11494
635	1/28/98	635	RTA00000181AF.p.7.3	M00001460A:E01	38773
636	1/28/98	636	RTA00000196F.k.20.1	M00001402B:F12	6324
637	1/28/98	637	RTA00000200AF.g.15.1	M00004135B:G01	22898
638	1/28/98	638	RTA00000193AF.l.05.2	M00004348A:A02	2815
639	1/28/98	639	RTA00000199AF.j.1.1	M00003881C:G09	6006
640	1/28/98	640	RTA00000190AF.f.5.1	M00003909A:H04	5015

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
641	1/28/98	641	RTA00000198F.a.10.1	M00001558A:E11	6695
642	1/28/98	642	RTA00000189AF.i.14.1	M00003868B:G11	0
643	1/28/98	643	RTA00000184AF.c.9.1	M00001546C:G10	16245
644	1/28/98	644	RTA00000197F.i.12.1	M00001489B:A06	3605
645	1/28/98	645	RTA00000177AF.k.9.1	M00001352A:E02	16245
646	1/28/98	646	RTA00000186AF.d.24.1	M00001623C:H07	3114
647	1/28/98	647	RTA00000197F.m.11.1	M00001530B:D10	16488
648	1/28/98	648	RTA00000199F.i.9.1	M00003878C:E04	7
649	1/28/98	649	RTA00000190AR.l.19.2	M00003946A:H10	88204
650	1/28/98	650	RTA00000183AR.n.17.1	M00001539B:H06	9800
651	1/28/98	651	RTA00000189AR.d.22.2	M00003844C:B11	6539
652	1/28/98	652	RTA00000178AR.m.21.4	M00001385A:F12	7861
653	1/28/98	653	RTA00000178AR.m.21.5	M00001385A:F12	7861
654	1/28/98	654	RTA00000186AF.j.21.2	M00001639D:B07	22506
655	1/28/98	655	RTA00000186AF.g.8.2	M00001630B:A11	8065
656	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
657	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
658	1/28/98	658	RTA00000193AF.a.1.1	M00004216D:C03	16501
659	1/28/98	659	RTA00000185AR.k.23.2	M00001601A:E09	0
660	1/28/98	660	RTA00000197AF.p.16.1	M00001552D:G08	6013
661	1/28/98	661	RTA00000198R.b.04.1	M00001565A:H09	0
662	1/28/98	662	RTA00000201R.a.15.1	M00004312B:H07	57347
663	1/28/98	663	RTA00000199F.g.21.2	M00003861C:H02	34826
664	1/28/98	664	RTA00000195R.a.23.1	M00001449C:H12	86432
665	1/28/98	665	RTA00000197AF.l.22.1	M00001528A:C11	6962
666	1/28/98	666	RTA00000198F.i.10.1	M00001640B:F03	12792
667	1/28/98	667	RTA00000197AF.d.16.1	M00001452A:E07	23505
668	1/28/98	668	RTA00000178AF.i.17.1	M00001377C:E12	0
669	1/28/98	669	RTA00000192AF.c.2.1	M00004121B:G01	0
670	1/28/98	670	RTA00000186AF.p.17.3	M00001656B:A07	38383
671	1/28/98	671	RTA00000185AR.d.08.1	M00001579C:E09	6562
672	1/28/98	672	RTA00000196AF.h.09.1	M00001382B:F12	8015
673	1/28/98	673	RTA00000199F.m.3.1	M00003931B:A11	0
674	1/28/98	674	RTA00000197AR.e.24.1	M00001456B:F10	39250
675	1/28/98	675	RTA00000179AR.b.21.3	M00001392C:D05	4366
676	1/28/98	676	RTA00000197AR.m.14.1	M00001531B:E09	14879
677	1/28/98	677	RTA00000197AF.i.19.1	M00001490B:H11	39554
678	1/28/98	678	RTA00000190AF.j.3.1	M00003922A:D02	2705
679	1/28/98	679	RTA00000197AF.d.11.1	M00001451C:E01	27260
680	1/28/98	680	RTA00000177AF.f.10.1	M00001345A:E01	6420
681	1/28/98	681	RTA00000180AF.l.04.2	M00001432D:F05	11159
682	1/28/98	682	RTA00000125A.j.16.1	M00001544A:E06	0
683	1/28/98	683	RTA00000187AR.j.01.1	M00001679C:D01	79028
684	1/28/98	684	RTA00000200AR.b.11.1	M00004040A:G12	12043
685	1/28/98	685	RTA00000200F.i.9.1	M00004159C:F09	36756
686	1/28/98	686	RTA00000201F.f.07.1	M00004497A:H03	51116
687	1/28/98	687	RTA00000197AF.g.4.1	M00001464B:B03	8821
688	1/28/98	688	RTA00000193AF.g.3.1	M00004050D:A06	5567
689	1/28/98	689	RTA00000197AF.o.4.1	M00001542B:C06	4121
690	1/28/98	690	RTA00000198R.l.21.1	M00001673A:A04	19194

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691	1/28/98	691	RTA00000195F.a.10.1	M00001401C:H03	6803
692	1/28/98	692	RTA00000199F.e.4.1	M00003820B:C05	0
693	1/28/98	693	RTA00000198F.m.12.1	M00001679C:D05	4
694	1/28/98	694	RTA00000201R.c.19.1	M00004370A:G05	22357
695	1/28/98	695	RTA00000197F.m.5.1	M00001528C:H04	10872
696	1/28/98	696	RTA00000180AR.d.16.3	M00001419D:C10	11393
697	1/28/98	697	RTA00000193AF.e.21.1	M00004271B:B06	0
698	1/28/98	698	RTA00000179AF.g.1.3	M00001397C:A10	7588
699	1/28/98	699	RTA00000178AF.a.12.1	M00001362B:H06	0
700	1/28/98	700	RTA00000183AF.i.18.2	M00001529D:H02	40129
701	1/28/98	701	RTA00000199AF.o.10.1	M00003974C:E04	0
702	1/28/98	702	RTA00000177AR.b.8.5	M00001340B:A06	17062
703	1/28/98	703	RTA00000198F.l.09.1	M00001664B:D06	3611
704	1/28/98	704	RTA00000190AF.o.12.1	M00003972D:C09	3438
705	1/28/98	705	RTA00000196F.i.5.1	M00001387B:A06	0
706	1/28/98	706	RTA00000177AF.i.6.4	M00001350A:B08	0
707	1/28/98	707	RTA00000179AF.p.15.1	M00001411D:F05	5622
708	1/28/98	708	RTA00000201F.f.06.1	M00004496C:H03	23771
709	1/28/98	709	RTA00000192AF.d.18.1	M00004135D:G02	0
710	1/28/98	710	RTA00000196AF.l.3.1	M00001405B:D07	20864
711	1/28/98	711	RTA00000198F.i.2.1	M00001637B:E07	8076
712	1/28/98	712	RTA00000201F.b.21.1	M00004341B:G03	9071
713	1/28/98	713	RTA00000198AF.g.21.1	M00001624A:F09	6273
714	1/28/98	714	RTA00000199R.g.07.1	M00003853D:D03	0
715	1/28/98	715	RTA00000197AR.k.11.1	M00001500D:E10	53758
716	1/28/98	716	RTA00000200F.p.05.1	M00004285C:A08	3984
717	1/28/98	717	RTA00000200F.o.10.2	M00004269B:C08	36432
718	1/28/98	718	RTA00000196F.l.14.2	M00001408B:G06	23144
719	1/28/98	719	RTA00000183AF.b.12.1	M00001500A:B02	0
720	1/28/98	720	RTA00000197AF.f.14.1	M00001459B:C09	3732
721	1/28/98	721	RTA00000180AF.c.4.1	M00001417B:C04	5415
722	1/28/98	722	RTA00000199R.j.24.1	M00003895C:A10	0
723	1/28/98	723	RTA00000183AF.p.24.1	M00001543C:F01	3116
724	1/28/98	724	RTA00000177AR.f.15.4	M00001345B:E10	9062
725	1/28/98	725	RTA00000197AF.b.1.1	M00001441D:E04	12134
726	1/28/98	726	RTA00000200R.f.10.1	M00004111D:B07	4
727	1/28/98	727	RTA00000184AF.n.12.2	M00001561D:C11	3727
728	1/28/98	728	RTA00000177AR.f.17.4	M00001345C:B01	8594
729	1/28/98	729	RTA00000184AF.a.19.1	M00001544C:C06	2628
730	1/28/98	730	RTA00000192AF.o.11.1	M00004205D:F06	0
731	1/28/98	731	RTA00000184F.k.02.1	M00001557B:H10	5192
732	1/28/98	732	RTA00000186AF.p.01.2	M00001654D:G11	40440
733	1/28/98	733	RTA00000200AF.d.20.1	M00004087A:G08	26600
734	1/28/98	734	RTA00000200AF.d.21.1	M00004087C:D03	0
735	1/28/98	735	RTA00000192AF.b.11.1	M00004117A:G01	40014
736	1/28/98	736	RTA00000196AF.o.13.1	M00001428B:A09	0
737	1/28/98	737	RTA00000189AR.m.9.1	M00003880B:C08	2917
738	1/28/98	738	RTA00000183AF.o.8.1	M00001540C:B10	8927
739	1/28/98	739	RTA00000181AF.p.12.3	M00001460C:H02	22204
740	1/28/98	740	RTA00000198AF.d.15.1	M00001590C:H08	5997

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
741	1/28/98	741	RTA00000196AF.n.22.1	M00001424B:H04	9572
742	1/28/98	742	RTA00000177AF.m.1.1	M00001353D:D10	14929
743	1/28/98	743	RTA00000178AF.k.9.1	M00001381B:F06	16342
744	1/28/98	744	RTA00000196F.m.4.1	M00001413A:F03	7958
745	1/28/98	745	RTA00000183AF.m.11.1	M00001536D:G02	8927
746	1/28/98	746	RTA00000178AF.i.01.2	M00001376B:F03	4
747	1/28/98	747	RTA00000190AF.c.6.1	M00003904D:D10	4780
748	1/28/98	748	RTA00000198AF.b.24.1	M00001571D:B11	19047
749	1/28/98	749	RTA00000178AR.i.13.4	M00001377B:H01	0
750	1/28/98	750	RTA00000198AF.a.19.1	M00001561D:C05	0
751	1/28/98	751	RTA00000179AF.c.4.3	M00001392D:B11	0
752	1/28/98	752	RTA00000192AF.o.7.1	M00004204D:C03	5275
753	1/28/98	753	RTA00000192AF.o.17.1	M00004208D:B10	5275
754	1/28/98	754	RTA00000187AF.l.11.1	M00001681A:F03	4482
755	1/28/98	755	RTA00000199F.c.21.2	M00003803C:D09	5070
756	2/24/98	1	RTA00000404F.a.02.1	M00001589B:E12	9738
757	2/24/98	2	RTA00000406F.d.16.1	M00003875C:G02	15040
758	2/24/98	3	RTA00000420F.d.18.1	M00004105C:B05	63074
759	2/24/98	4	RTA00000339F.i.20.1	M00001438D:C06	4356
760	2/24/98	5	RTA00000408F.o.12.2	M00001572A:A10	78578
761	2/24/98	6	RTA00000119A.j.15.1	M00001460A:E11	79623
762	2/24/98	7	RTA00000413F.d.12.1	M00004088C:A12	66467
763	2/24/98	8	RTA00000423F.i.12.1	M00003914D:E03	9118
764	2/24/98	9	RTA00000406F.n.02.1	M00003918C:H10	15051
765	2/24/98	10	RTA00000350R.c.12.1	M00001550D:A04	9728
766	2/24/98	11	RTA00000411F.k.05.1	M00003850D:B05	64777
767	2/24/98	12	RTA00000339F.b.17.1	M00001366D:E12	10020
768	2/24/98	13	RTA00000406F.f.18.1	M00003879B:G02	38587
769	2/24/98	14	RTA00000419F.b.09.1	M00001694C:F12	78128
770	2/24/98	15	RTA00000419F.c.19.1	M00003820A:A08	64346
771	2/24/98	16	RTA00000399F.a.02.1	M00001366D:C12	0
772	2/24/98	17	RTA00000411F.m.15.1	M00003868D:B09	78014
773	2/24/98	18	RTA00000420F.g.12.1	M00004895B:G04	0
774	2/24/98	19	RTA00000123A.k.23.1	M00001533A:G05	80313
775	2/24/98	20	RTA00000404F.m.04.2	M00001641A:A11	22720
776	2/24/98	21	RTA00000411F.g.08.1	M00003822D:D04	45815
777	2/24/98	22	RTA00000130A.m.15.1	M00001622A:H12	81630
778	2/24/98	23	RTA00000411F.k.20.1	M00003854B:A07	64973
779	2/24/98	24	RTA00000423F.l.09.1	M00004118A:H08	9752
780	2/24/98	25	RTA00000418F.k.05.1	M00001637A:A06	73021
781	2/24/98	26	RTA00000423F.h.18.1	M00003876C:D02	37972
782	2/24/98	27	RTA00000420F.n.19.2	M00005259B:C01	0
783	2/24/98	28	RTA00000422F.p.06.2	M00001661A:B11	39282
784	2/24/98	29	RTA00000404F.n.16.2	M00001649C:D05	39095
785	2/24/98	30	RTA00000411F.m.24.1	M00003870B:B08	77568
786	2/24/98	31	RTA00000134A.j.10.1	M00001534A:G06	81383
787	2/24/98	32	RTA00000409F.j.02.1	M00001611B:E06	76417
788	2/24/98	33	RTA00000403F.j.15.1	M00001539B:G07	23840
789	2/24/98	34	RTA00000411F.n.11.1	M00003875A:B01	77276
790	2/24/98	35	RTA00000339F.i.13.1	M00001434A:B10	5970

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791	2/24/98	36	RTA00000414F.e.22.1	M00005257D:A06	0
792	2/24/98	37	RTA00000406F.o.15.1	M00003988D:A08	37482
793	2/24/98	38	RTA00000412F.g.04.2	M00003971B:B07	64457
794	2/24/98	39	RTA00000187AF.l.7.1	M00001680D:F08	10539
795	2/24/98	40	RTA00000352R.l.06.1	M00004187D:H06	40343
796	2/24/98	41	RTA00000419F.b.12.1	M00003806B:C09	63148
797	2/24/98	42	RTA00000423F.k.17.2	M00004038A:F02	37512
798	2/24/98	43	RTA00000420F.g.04.1	M00004891B:B12	0
799	2/24/98	44	RTA00000418F.k.14.1	M00001639A:H06	76133
800	2/24/98	45	RTA00000409F.l.12.1	M00001615A:D06	26755
801	2/24/98	46	RTA00000404F.c.20.1	M00001594A:D08	39088
802	2/24/98	47	RTA00000423F.g.09.1	M00003904C:B06	38958
803	2/24/98	48	RTA00000411F.b.24.1	M00001677B:A12	30041
804	2/24/98	49	RTA00000406F.d.12.1	M00003875C:A01	38575
805	2/24/98	50	RTA00000411F.f.02.1	M00003813A:D08	63386
806	2/24/98	51	RTA00000129A.n.21.1	M00001604A:C11	79381
807	2/24/98	52	RTA00000409F.m.12.1	M00001618B:D09	73490
808	2/24/98	53	RTA00000410F.c.04.1	M00001633D:G09	74099
809	2/24/98	54	RTA00000399F.o.01.1	M00001595C:E01	3055
810	2/24/98	55	RTA00000406F.m.09.1	M00003914C:H05	26891
811	2/24/98	56	RTA00000411F.b.06.1	M00001676C:A04	77884
812	2/24/98	57	RTA00000409F.l.21.1	M00001615B:G07	73143
813	2/24/98	58	RTA00000420F.m.18.1	M00005254D:A10	0
814	2/24/98	59	RTA00000346F.j.08.1	M00003879B:A06	39951
815	2/24/98	60	RTA00000413F.p.17.2	M00005136D:G06	0
816	2/24/98	61	RTA00000410F.n.07.1	M00001662A:G01	78823
817	2/24/98	62	RTA00000339F.n.10.1	M00001453B:F08	13719
818	2/24/98	63	RTA00000404F.l.20.2	M00001639B:H05	38638
819	2/24/98	64	RTA00000413F.d.15.1	M00004090B:B04	65305
820	2/24/98	65	RTA00000404F.p.04.2	M00001652D:E05	39069
821	2/24/98	66	RTA00000405F.g.19.2	M00001673A:G08	37150
822	2/24/98	67	RTA00000409F.a.22.1	M00001583B:F02	75200
823	2/24/98	68	RTA00000339F.n.03.1	M00001449B:B03	0
824	2/24/98	69	RTA00000405F.o.18.1	M00003839A:D07	11016
825	2/24/98	70	RTA00000409F.m.13.1	M00001618B:E05	0
826	2/24/98	71	RTA00000120A.d.24.1	M00001464A:E10	5085
827	2/24/98	72	RTA00000347F.a.08.1	M00001592C:G04	3135
828	2/24/98	73	RTA00000413F.p.15.2	M00005136D:D06	0
829	2/24/98	74	RTA00000408F.e.22.2	M00001476B:F08	26930
830	2/24/98	75	RTA00000350R.i.22.1	M00001608B:A03	0
831	2/24/98	76	RTA00000413F.d.16.1	M00004088C:F01	63331
832	2/24/98	77	RTA00000420F.j.22.1	M00005173B:F01	0
833	1/28/98	59	RTA00000195AF.b.13.1	M00001560D:A03	12605
833	2/24/98	78	RTA00000195AF.b.13.1	M00001560D:A03	12605
834	2/24/98	79	RTA00000419F.g.08.1	M00003842C:D11	66700
835	2/24/98	80	RTA00000122A.g.16.1	M00001514A:B04	81366
836	2/24/98	81	RTA00000419F.c.16.1	M00003819D:B01	65254
837	2/24/98	82	RTA00000411F.b.03.1	M00001676B:E01	23634
838	2/24/98	83	RTA00000405F.e.11.2	M00001663D:C06	9331
839	2/24/98	84	RTA00000352R.i.15.1	M00004153B:B03	4363

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
840	2/24/98	85	RTA00000339F.k.22.1	M00001427C:D01	5556
841	2/24/98	86	RTA00000346F.g.22.1	M00003794D:G03	6371
842	2/24/98	87	RTA00000403F.l.20.1	M00001573A:A06	18267
843	2/24/98	88	RTA00000420F.i.24.1	M00005134B:E08	0
844	2/24/98	89	RTA00000406F.c.08.1	M00003870C:A10	22387
845	2/24/98	90	RTA00000411F.a.02.1	M00001675B:E02	78537
846	2/24/98	91	RTA00000355R.e.15.1	M00004316A:G09	22639
847	2/24/98	92	RTA00000412F.l.04.1	M00003989D:F12	66372
848	2/24/98	93	RTA00000413F.p.24.1	M00005139A:H03	0
849	2/24/98	94	RTA00000406F.a.23.1	M00003867B:D10	38712
850	2/24/98	95	RTA00000423F.h.05.1	M00003906A:F04	14837
851	2/24/98	96	RTA00000120A.n.19.3	M00001467A:H07	80004
852	2/24/98	97	RTA00000403F.e.01.1	M00001473A:C11	38965
853	2/24/98	98	RTA00000411F.l.03.1	M00003854D:A12	62702
854	2/24/98	99	RTA00000420F.m.19.1	M00005254D:B08	0
855	2/24/98	100	RTA00000339F.o.23.1	M00001473C:D09	7801
856	2/24/98	101	RTA00000121A.m.2.1	M00001507A:A11	81064
857	2/24/98	102	RTA00000420F.g.06.1	M00004891C:D04	0
858	2/24/98	103	RTA00000418F.j.12.1	M00001626C:G08	73316
859	2/24/98	104	RTA00000421F.n.03.1	M00001675C:A04	1638
860	2/24/98	105	RTA00000346F.d.08.1	M00001671A:A10	39955
861	2/24/98	106	RTA00000339F.f.11.1	M00001391C:H02	5832
862	2/24/98	107	RTA00000125A.g.16.1	M00001544A:C09	21497
863	2/24/98	108	RTA00000418F.o.18.1	M00001661B:F06	78676
864	2/24/98	109	RTA00000422F.p.24.2	M00001658A:G09	5823
865	2/24/98	110	RTA00000408F.k.14.1	M00001486B:E12	73856
866	2/24/98	111	RTA00000128A.i.20.1	M00001560A:F03	9900
867	2/24/98	112	RTA00000422F.c.11.1	M00003841D:A04	2643
868	2/24/98	113	RTA00000401F.e.02.1	M00003805B:C04	0
869	2/24/98	114	RTA00000341F.m.21.1	M00004051D:E01	0
870	2/24/98	115	RTA00000418F.h.19.1	M00001590B:C05	0
871	2/24/98	116	RTA00000403F.o.15.1	M00001582B:E12	39140
872	2/24/98	117	RTA00000341F.m.13.1	M00003987B:E12	26502
873	2/24/98	118	RTA00000408F.h.03.1	M00001479D:H03	78382
874	2/24/98	119	RTA00000423F.k.05.1	M00004036D:F02	37472
875	2/24/98	120	RTA00000401F.m.02.1	M00003907A:F01	1573
876	2/24/98	121	RTA00000418F.p.19.1	M00001677D:B01	78544
877	2/24/98	122	RTA00000420F.f.06.1	M00004115D:D08	64812
878	2/24/98	123	RTA00000122A.j.18.1	M00001516A:D05	81317
879	2/24/98	124	RTA00000420F.d.05.1	M00004092B:E05	64432
880	2/24/98	125	RTA00000403F.m.18.1	M00001576A:B09	39185
881	2/24/98	126	RTA00000422F.j.20.1	M00001653A:G07	22388
882	2/24/98	127	RTA00000411F.j.05.1	M00003841C:F06	40709
883	2/24/98	128	RTA00000403F.a.04.1	M00001448A:B12	23529
884	2/24/98	129	RTA00000118A.d.24.1	M00001416A:H02	81488
885	2/24/98	130	RTA00000406F.f.12.1	M00003879A:C11	21895
886	2/24/98	131	RTA00000418F.g.22.1	M00001585B:F01	74837
887	2/24/98	132	RTA00000418F.m.05.1	M00001650B:C10	73600
888	2/24/98	133	RTA00000404F.l.20.1	M00001639B:H05	38638
889	2/24/98	134	RTA00000408F.i.08.2	M00001482A:H05	75811

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
890	2/24/98	135	RTA00000122A.d.5.1	M00001513A:F05	81155
891	2/24/98	136	RTA00000419F.l.12.1	M00003901C:B01	75710
892	2/24/98	137	RTA00000339R.a.06.1	M00001346A:E04	58694
893	2/24/98	138	RTA00000406F.f.03.1	M00003878C:D08	38687
894	2/24/98	139	RTA00000419F.b.19.1	M00003809A:C01	65534
895	2/24/98	140	RTA00000128A.j.6.2	M00001560A:H10	5316
896	2/24/98	141	RTA00000418F.k.19.1	M00001639C:C02	74932
897	2/24/98	142	RTA00000420F.j.19.1	M00005140C:B10	0
898	2/24/98	143	RTA00000420F.h.13.1	M00004899D:G06	0
899	2/24/98	144	RTA00000349R.f.15.1	M00001472A:D08	75097
900	2/24/98	145	RTA00000419F.g.12.1	M00003842C:G03	66171
901	2/24/98	146	RTA00000404F.n.11.2	M00001649A:E11	38001
902	2/24/98	147	RTA00000422F.c.02.1	M00004118B:A03	2902
903	2/24/98	148	RTA00000419F.n.04.1	M00003975C:F07	13102
904	2/24/98	149	RTA00000419F.o.24.1	M00004031A:F07	65092
905	2/24/98	150	RTA00000419F.k.19.1	M00003877C:G12	75447
906	2/24/98	151	RTA00000341F.c.21.1	M00003789C:F06	7899
907	2/24/98	152	RTA00000127A.i.20.1	M00001555A:B12	81418
908	2/24/98	153	RTA00000422F.g.22.1	M00001585B:A06	22561
909	2/24/98	154	RTA00000340F.b.21.1	M00001533D:A08	8001
910	2/24/98	155	RTA00000413F.h.13.1	M00004107A:D01	65190
911	2/24/98	156	RTA00000125A.k.1.1	M00001545A:B12	0
912	2/24/98	157	RTA00000339F.a.23.1	M00001361B:C07	4022
913	2/24/98	158	RTA00000348R.j.16.1	M00001410A:D07	7005
914	2/24/98	159	RTA00000348R.j.17.1	M00001391D:C06	2641
915	2/24/98	160	RTA00000414F.f.19.1	M00005260B:E11	0
916	2/24/98	161	RTA00000418F.n.22.1	M00001659D:B05	79062
917	2/24/98	162	RTA00000406F.l.08.1	M00003908D:D12	39016
918	2/24/98	163	RTA00000422F.i.23.1	M00001615D:C11	4240
919	2/24/98	164	RTA00000345F.k.06.1	M00001475A:A12	0
920	2/24/98	165	RTA00000409F.j.07.1	M00001611C:H11	75190
921	2/24/98	166	RTA00000418F.m.19.1	M00001654D:A03	8890
922	2/24/98	167	RTA00000399F.l.14.1	M00001590B:G08	3354
923	2/24/98	168	RTA00000411F.e.22.1	M00003812B:D07	63638
924	2/24/98	169	RTA00000347F.a.17.1	M00001366D:C06	16723
925	2/24/98	170	RTA00000422F.n.08.1	M00001632B:E05	38655
926	2/24/98	171	RTA00000404F.n.20.1	M00001650A:C11	26865
927	2/24/98	172	RTA00000420F.i.17.1	M00005101C:B09	0
928	2/24/98	173	RTA00000418F.d.13.1	M00001570A:H01	74309
929	2/24/98	174	RTA00000404F.b.02.1	M00001591B:B12	38984
930	2/24/98	175	RTA00000410F.d.09.1	M00001635B:H01	76964
931	2/24/98	176	RTA00000403F.b.10.1	M00001455C:G07	73268
932	2/24/98	177	RTA00000406F.i.12.1	M00003903D:H11	39080
933	2/24/98	178	RTA00000406F.h.08.1	M00003901C:A08	16228
934	2/24/98	179	RTA00000418F.i.19.1	M00001596D:E03	79180
935	2/24/98	180	RTA00000400F.j.19.1	M00001653C:D10	4086
936	2/24/98	181	RTA00000412F.h.21.1	M00003974D:F02	64348
937	2/24/98	182	RTA00000404F.g.14.1	M00001614D:B08	8858
938	2/24/98	183	RTA00000120A.g.18.1	M00001465A:C12	81255
939	2/24/98	184	RTA00000133A.j.13.1	M00001507A:B02	16846

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
940	2/24/98	185	RTA00000423F.j.05.1	M00003903C:C05	37958
941	2/24/98	186	RTA00000132A.k.6.1	M00001464A:E07	81284
942	2/24/98	187	RTA00000351R.g.11.1	M00003779D:E08	3077
943	2/24/98	188	RTA00000406F.p.04.1	M00004030D:F11	37458
944	2/24/98	189	RTA00000347F.a.13.1	M00001402D:F02	22446
945	2/24/98	190	RTA00000419F.p.23.1	M00004039B:A05	64748
946	2/24/98	191	RTA00000419F.d.17.1	M00003828B:F09	64353
947	2/24/98	192	RTA00000421F.k.15.1	M00001613D:B03	2222
948	2/24/98	193	RTA00000347F.b.10.1	M00001546C:C07	8044
949	2/24/98	194	RTA00000124A.k.5.1	M00001538A:F12	80252
950	2/24/98	195	RTA00000404F.h.22.1	M00001619C:C07	18735
951	2/24/98	196	RTA00000418F.k.10.1	M00001639A:G07	74454
952	2/24/98	197	RTA00000410F.o.05.1	M00001669A:B02	75262
953	2/24/98	198	RTA00000339R.l.14.1	M00001452A:C07	19119
954	2/24/98	199	RTA00000403F.m.13.2	M00001575D:A10	39077
955	2/24/98	200	RTA00000339F.c.02.1	M00001381C:B08	12975
956	2/24/98	201	RTA00000404F.l.09.1	M00001638B:E12	39176
957	2/24/98	202	RTA00000419F.g.22.1	M00003845D:A09	64515
958	2/24/98	203	RTA00000404F.g.21.1	M00001615C:A11	37947
959	2/24/98	204	RTA00000351R.k.19.1	M00003841B:E03	936
960	2/24/98	205	RTA00000138A.n.4.1	M00001624A:G11	21920
961	2/24/98	206	RTA00000410F.b.15.1	M00001633C:F09	77100
962	2/24/98	207	RTA00000414F.b.08.1	M00005212C:H02	0
963	2/24/98	208	RTA00000419F.j.23.1	M00003871A:C11	74470
964	2/24/98	209	RTA00000411F.j.02.1	M00003841C:D07	65310
965	2/24/98	210	RTA00000419F.p.24.1	M00004039B:E12	63477
966	2/24/98	211	RTA00000404F.a.19.1	M00001590B:C07	38624
967	2/24/98	212	RTA00000408F.k.06.1	M00001485C:H10	78393
968	2/24/98	213	RTA00000123A.f.3.1	M00001531A:H07	44017
969	2/24/98	214	RTA00000404F.h.19.1	M00001619A:E05	8096
970	2/24/98	215	RTA00000403F.j.18.1	M00001539D:E10	5790
971	2/24/98	216	RTA00000420F.i.18.1	M00005101C:E09	0
972	2/24/98	217	RTA00000399F.o.17.1	M00001599D:A09	1106
973	2/24/98	218	RTA00000346F.e.13.1	M00001660B:D03	74653
974	2/24/98	219	RTA00000419F.c.18.1	M00003819D:B11	41394
975	2/24/98	220	RTA00000413F.k.02.1	M00004690A:G08	0
976	2/24/98	221	RTA00000414F.f.13.1	M00005259D:H08	0
977	2/24/98	222	RTA00000405F.e.09.1	M00001663C:F12	38978
978	2/24/98	223	RTA00000404F.e.22.1	M00001610A:H05	11344
979	2/24/98	224	RTA00000341F.g.21.1	M00003914C:F09	8823
980	2/24/98	225	RTA00000414F.d.07.1	M00005229D:H09	0
981	2/24/98	226	RTA00000125A.k.10.1	M00001545A:F02	81644
982	2/24/98	227	RTA00000347F.c.06.1	M00001444D:C01	18846
983	2/24/98	228	RTA00000411F.k.19.1	M00003852D:E08	64200
984	2/24/98	229	RTA00000345F.i.09.1	M00001450A:D08	27250
985	2/24/98	230	RTA00000423F.k.01.1	M00004034D:E09	40426
986	2/24/98	231	RTA00000408F.d.06.1	M00001458D:C11	78997
987	2/24/98	232	RTA00000128A.b.20.1	M00001558A:G09	79761
988	2/24/98	233	RTA00000403F.i.08.1	M00001485C:B10	6176
989	2/24/98	234	RTA00000195AF.d.4.1	M00003881D:D06	22766

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
989	1/28/98	185	RTA00000195AF.d.4.1	M00003881D:D06	22766
990	2/24/98	235	RTA00000126A.o.23.1	M00001551A:B10	6268
991	2/24/98	236	RTA00000403F.h.12.1	M00001483C:G09	15205
992	2/24/98	237	RTA00000119A.j.22.1	M00001460A:F07	80336
993	2/24/98	238	RTA00000340F.j.12.1	M00001624A:B06	3277
994	2/24/98	239	RTA00000346F.j.02.1	M00003832B:E01	5294
995	2/24/98	240	RTA00000126A.n.7.2	M00001551A:D06	79557
996	2/24/98	241	RTA00000339F.d.13.1	M00001395C:F11	0
997	2/24/98	242	RTA00000404F.j.08.1	M00001629B:B08	39066
998	2/24/98	243	RTA00000410F.c.14.1	M00001634A:H05	77809
999	2/24/98	244	RTA00000120A.g.23.1	M00001465A:E10	81189
1000	2/24/98	245	RTA00000195AF.d.20.1	M00004117A:D11	37574
1000	1/28/98	87	RTA00000195AF.d.20.1	M00004117A:D11	37574
1001	2/24/98	246	RTA00000414F.c.14.1	M00005218A:G05	0
1002	2/24/98	247	RTA00000412F.j.17.1	M00003982C:G04	64071
1003	2/24/98	248	RTA00000404F.k.24.1	M00001636A:C03	15256
1004	2/24/98	249	RTA00000119A.j.10.1	M00001460A:C10	79646
1005	2/24/98	250	RTA00000410F.o.12.1	M00001669A:G12	77376
1006	2/24/98	251	RTA00000119A.i.9.1	M00001457A:G03	0
1007	2/24/98	252	RTA00000412F.g.24.1	M00003973C:C03	28741
1008	2/24/98	253	RTA00000400F.f.18.1	M00001637A:E10	3764
1009	2/24/98	254	RTA00000341F.l.15.1	M00003986B:A08	5294
1010	2/24/98	255	RTA00000419F.o.16.1	M00003989C:G05	62867
1011	2/24/98	256	RTA00000404F.m.03.2	M00001640A:H02	11799
1012	2/24/98	257	RTA00000411F.c.17.1	M00001678D:G03	77664
1013	2/24/98	258	RTA00000406F.k.15.1	M00003907C:C04	38549
1014	2/24/98	259	RTA00000406F.a.02.1	M00003855C:F10	37744
1015	2/24/98	260	RTA00000414F.e.08.1	M00005236A:E04	0
1016	2/24/98	261	RTA00000341F.b.06.1	M00003794A:E12	17008
1017	2/24/98	262	RTA00000409F.n.14.1	M00001621B:G05	78190
1018	2/24/98	263	RTA00000410F.p.17.1	M00001674D:C10	47425
1019	2/24/98	264	RTA00000345F.j.08.1	M00001451B:A04	16731
1020	2/24/98	265	RTA00000340F.k.16.1	M00001647B:C09	13157
1021	2/24/98	266	RTA00000419F.g.15.1	M00003844D:A07	32519
1022	2/24/98	267	RTA00000423F.a.19.1	M00001676D:A02	21396
1023	2/24/98	268	RTA00000403F.e.23.1	M00001476A:D11	9626
1024	2/24/98	269	RTA00000422F.e.08.1	M00001573A:E01	39020
1025	2/24/98	270	RTA00000411F.d.15.1	M00001692A:B06	74890
1026	2/24/98	271	RTA00000414F.e.16.1	M00005236B:H10	0
1027	2/24/98	272	RTA00000411F.l.15.1	M00003857C:F11	66704
1028	2/24/98	273	RTA00000400F.a.11.1	M00001612B:D11	0
1029	2/24/98	274	RTA00000405F.e.08.1	M00001663C:F10	37916
1030	2/24/98	275	RTA00000353R.j.24.1	M00001428B:D01	23089
1031	2/24/98	276	RTA00000423F.a.18.1	M00001675A:G10	26761
1032	2/24/98	277	RTA00000418F.o.06.1	M00001660C:D11	75930
1033	2/24/98	278	RTA00000404F.c.10.1	M00001593B:E11	23534
1034	2/24/98	279	RTA00000418F.i.21.1	M00001596D:E10	78728
1035	2/24/98	280	RTA00000418F.p.15.1	M00001671C:C11	31066
1036	2/24/98	281	RTA00000411F.l.13.1	M00003857C:C09	43114
1037	2/24/98	282	RTA00000407F.a.24.1	M00004083A:E08	37560

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1038	2/24/98	283	RTA00000346F.n.06.1	M00004139C:A12	12439
1039	2/24/98	284	RTA00000412F.l.21.1	M00004029C:G10	65183
1040	2/24/98	285	RTA00000413F.i.02.1	M00004110D:A10	65857
1041	2/24/98	286	RTA00000404F.i.19.1	M00001625B:C10	38698
1042	2/24/98	287	RTA00000410F.n.09.1	M00001662C:A04	11736
1043	2/24/98	288	RTA00000403F.a.11.1	M00001448C:F10	73109
1044	2/24/98	289	RTA00000420F.n.08.1	M00005257A:H11	0
1045	2/24/98	290	RTA00000411F.k.16.1	M00003852C:B06	64759
1046	2/24/98	291	RTA00000405F.c.01.1	M00001657D:A04	19236
1047	2/24/98	292	RTA00000423F.i.18.1	M00003918A:D08	14996
1048	2/24/98	293	RTA00000403F.l.04.1	M00001571C:A04	39278
1049	2/24/98	294	RTA00000405F.l.17.1	M00003805A:F02	17225
1050	2/24/98	295	RTA00000406F.a.07.1	M00003856C:H09	26607
1051	2/24/98	296	RTA00000347F.d.06.1	M00001457C:F02	39122
1052	2/24/98	297	RTA00000419F.b.18.1	M00003808D:D08	67034
1053	2/24/98	298	RTA00000406F.h.07.1	M00003901B:H04	38003
1054	2/24/98	299	RTA00000405F.l.15.1	M00001694A:E03	19575
1055	2/24/98	300	RTA00000406F.g.17.1	M00003881B:F10	37979
1056	2/24/98	301	RTA00000401F.m.23.1	M00003914C:C02	2801
1057	2/24/98	302	RTA00000356R.f.18.1	M00004692A:H10	0
1058	2/24/98	303	RTA00000130A.h.22.1	M00001617A:D06	80933
1059	2/24/98	304	RTA00000403F.n.18.2	M00001577D:H06	8811
1060	2/24/98	305	RTA00000418F.p.06.1	M00001664A:F08	32628
1061	2/24/98	306	RTA00000404F.d.13.1	M00001595D:A04	39036
1062	2/24/98	307	RTA00000420F.l.12.2	M00005230B:H09	0
1063	2/24/98	308	RTA00000353R.d.11.1	M00004692A:H08	0
1064	2/24/98	309	RTA00000340F.n.01.1	M00001679A:G06	39081
1065	2/24/98	310	RTA00000419F.d.06.1	M00003820B:D07	65496
1066	2/24/98	311	RTA00000419F.n.09.1	M00003977C:A06	66070
1067	2/24/98	312	RTA00000399F.i.08.1	M00001575D:B10	38927
1068	2/24/98	313	RTA00000406F.g.07.1	M00003880C:E11	37925
1069	2/24/98	314	RTA00000423F.g.13.1	M00003905A:E07	38028
1070	2/24/98	315	RTA00000419F.p.12.1	M00004037A:E04	13767
1071	2/24/98	316	RTA00000414F.a.02.1	M00005178D:H04	0
1072	2/24/98	317	RTA00000195AF.b.21.1	M00001595B:A09	39055
1072	1/28/98	602	RTA00000195AF.b.21.1	M00001595B:A09	39055
1073	2/24/98	318	RTA00000403F.h.05.1	M00001482D:A04	39096
1074	2/24/98	319	RTA00000420F.b.21.1	M00004088D:B10	65057
1075	2/24/98	320	RTA00000422F.p.07.2	M00001661A:E06	39024
1076	2/24/98	321	RTA00000339F.c.21.1	M00001389C:A08	5325
1077	2/24/98	322	RTA00000339F.c.24.1	M00001364B:B06	5516
1078	2/24/98	323	RTA00000421F.n.19.1	M00001679A:D10	16409
1079	2/24/98	324	RTA00000340F.p.17.1	M00003750C:H05	0
1080	2/24/98	325	RTA00000345F.k.21.1	M00001464B:C11	40204
1081	2/24/98	326	RTA00000419F.b.15.1	M00003806D:D11	43969
1082	2/24/98	327	RTA00000405F.a.11.1	M00001655A:B11	39124
1083	2/24/98	328	RTA00000423F.k.19.2	M00003985D:E10	17615
1084	2/24/98	329	RTA00000413F.e.16.1	M00004093C:C02	63836
1085	2/24/98	330	RTA00000403F.i.04.1	M00001485B:D09	8930
1086	2/24/98	331	RTA00000404F.o.18.2	M00001651C:C05	39110

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1087	2/24/98	332	RTA00000409F.i.24.1	M00001611B:A09	76967
1088	2/24/98	333	RTA00000399F.f.11.1	M00001487C:F01	40167
1089	2/24/98	334	RTA00000408F.p.05.1	M00001575B:B02	9649
1090	2/24/98	335	RTA00000413F.d.02.1	M00004087B:A12	66172
1091	2/24/98	336	RTA00000340F.n.13.1	M00001688D:B10	17055
1092	2/24/98	337	RTA00000340F.p.04.1	M00001679D:B02	78533
1093	2/24/98	338	RTA00000411F.c.05.1	M00001677B:H06	73368
1094	2/24/98	339	RTA00000403F.g.10.1	M00001481A:G06	20211
1095	2/24/98	340	RTA00000408F.l.13.1	M00001530A:B12	4423
1096	2/24/98	341	RTA00000412F.g.20.2	M00003972C:F08	25018
1097	2/24/98	342	RTA00000404F.i.02.1	M00001619D:D10	39015
1098	2/24/98	343	RTA00000422F.g.21.1	M00001583A:F07	17232
1099	2/24/98	344	RTA00000403F.m.15.2	M00001575D:D12	26901
1100	2/24/98	345	RTA00000412F.h.23.2	M00003974D:H04	65118
1101	2/24/98	346	RTA00000418F.j.08.1	M00001626C:C11	73382
1102	2/24/98	347	RTA00000125A.n.4.1	M00001546A:D08	81984
1103	2/24/98	348	RTA00000412F.l.19.1	M00004029C:C05	65825
1104	2/24/98	349	RTA00000404F.m.10.2	M00001641D:E02	779
1105	2/24/98	350	RTA00000129A.p.3.1	M00001604A:B08	32644
1106	2/24/98	351	RTA00000340F.p.20.1	M00003752B:C02	17008
1107	2/24/98	352	RTA00000411F.a.10.1	M00001675C:G01	73073
1108	2/24/98	353	RTA00000409F.n.17.1	M00001621C:C10	76725
1109	2/24/98	354	RTA00000404F.c.03.2	M00001592C:F11	39198
1110	2/24/98	355	RTA00000420F.a.19.1	M00004076A:D12	34192
1111	2/24/98	356	RTA00000409F.m.24.1	M00001620D:H02	3942
1112	2/24/98	357	RTA00000406F.n.16.1	M00003972A:G09	5660
1113	2/24/98	358	RTA00000414F.e.06.1	M00005235A:A03	0
1114	2/24/98	359	RTA00000420F.d.12.1	M00004096D:H03	64095
1115	2/24/98	360	RTA00000409F.j.19.1	M00001612A:F02	73792
1116	2/24/98	361	RTA00000422F.d.16.1	M00001570C:G03	39133
1117	2/24/98	362	RTA00000418F.m.16.1	M00001653B:E06	74986
1118	2/24/98	363	RTA00000405F.c.11.1	M00001659A:D12	39068
1119	2/24/98	364	RTA00000404F.k.22.1	M00001635D:C12	39084
1120	2/24/98	365	RTA00000418F.k.07.1	M00001637A:F10	75067
1121	2/24/98	366	RTA00000403F.c.10.1	M00001456D:F05	75261
1122	2/24/98	367	RTA00000401F.o.06.1	M00004029C:C12	2679
1123	2/24/98	368	RTA00000346F.o.08.1	M00004149C:B02	0
1124	2/24/98	369	RTA00000410F.m.05.1	M00001657B:B04	74964
1125	2/24/98	370	RTA00000405F.i.20.1	M00001677A:G11	38532
1126	2/24/98	371	RTA00000403F.j.17.1	M00001539D:B10	38563
1127	2/24/98	372	RTA00000408F.p.24.1	M00001579A:E03	74286
1128	2/24/98	373	RTA00000418F.k.18.1	M00001639C:A10	75385
1129	2/24/98	374	RTA00000422F.m.04.1	M00001615B:A09	38702
1130	2/24/98	375	RTA00000405F.g.16.2	M00001672D:D04	9021
1131	2/24/98	376	RTA00000400F.k.22.1	M00001656A:B07	2512
1132	2/24/98	377	RTA00000346F.i.01.1	M00003797A:D06	22260
1133	2/24/98	378	RTA00000403F.a.07.1	M00001448B:F09	73559
1134	2/24/98	379	RTA00000349R.j.07.1	M00001529B:C04	2642
1135	2/24/98	380	RTA00000403F.b.19.1	M00001456B:A06	22327
1136	2/24/98	381	RTA00000418F.m.23.1	M00001654D:F11	77195

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1137	2/24/98	382	RTA00000341F.h.10.1	M00003901B:G11	0
1138	2/24/98	383	RTA00000404F.i.18.1	M00001621C:H12	21912
1139	2/24/98	384	RTA00000422F.i.14.1	M00001487A:F10	39300
1140	2/24/98	385	RTA00000418F.m.14.1	M00001651B:E06	75711
1141	2/24/98	386	RTA00000406F.o.12.1	M00003986D:D02	37459
1142	2/24/98	387	RTA00000411F.a.15.1	M00001675D:B08	73812
1143	2/24/98	388	RTA00000411F.a.07.1	M00001675C:C03	74547
1144	2/24/98	389	RTA00000411F.c.02.1	M00001677B:B04	72852
1145	2/24/98	390	RTA00000355R.a.14.1	M00004187D:G09	10207
1146	2/24/98	391	RTA00000130A.h.16.1	M00001617A:A08	80761
1147	2/24/98	392	RTA00000410F.p.23.1	M00001675B:C01	73948
1148	2/24/98	393	RTA00000418F.m.24.1	M00001654D:F12	77114
1149	2/24/98	394	RTA00000420F.m.02.1	M00005233A:G08	0
1150	2/24/98	395	RTA00000408F.j.19.2	M00001485C:C08	73752
1151	2/24/98	396	RTA00000406F.e.21.1	M00003877D:G05	9090
1152	2/24/98	397	RTA00000118A.d.17.1	M00001416A:D09	81921
1153	2/24/98	398	RTA00000407F.b.04.1	M00004086D:B09	63221
1154	2/24/98	399	RTA00000411F.e.07.1	M00003810C:A03	65008
1155	2/24/98	400	RTA00000403F.f.08.1	M00001477A:G07	19107
1156	2/24/98	401	RTA00000132A.c.11.1	M00001454A:G03	87278
1157	2/24/98	402	RTA00000420F.e.16.1	M00004110A:E04	63639
1158	2/24/98	403	RTA00000403F.d.22.1	M00001473A:A07	10692
1159	2/24/98	404	RTA00000404F.b.11.1	M00001591D:F06	39079
1160	2/24/98	405	RTA00000418F.k.17.1	M00001639C:A09	75390
1161	2/24/98	406	RTA00000129A.k.12.1	M00001601A:A06	79322
1162	2/24/98	407	RTA00000340R.m.07.1	M00001679D:F02	78415
1163	2/24/98	408	RTA00000405F.d.14.1	M00001662A:C12	35209
1164	2/24/98	409	RTA00000406F.f.11.1	M00003879A:B08	38601
1165	2/24/98	410	RTA00000420F.a.5.1	M00001465A:G06	80544
1166	2/24/98	411	RTA00000420F.m.12.1	M00005234D:B04	0
1167	2/24/98	412	RTA00000411F.g.06.1	M00003822D:C06	66065
1168	2/24/98	413	RTA00000408F.d.16.1	M00001459B:D03	76318
1169	2/24/98	414	RTA00000120A.p.18.1	M00001468A:C05	6478
1170	2/24/98	415	RTA00000340R.f.05.1	M00001569B:G11	3202
1171	2/24/98	416	RTA00000404F.c.19.1	M00001594A:D06	39026
1172	2/24/98	417	RTA00000423F.l.02.1	M00003978C:A03	5639
1173	2/24/98	418	RTA00000410F.a.01.1	M00001631D:B10	73354
1174	2/24/98	419	RTA00000408F.h.08.1	M00001480A:D03	74575
1175	2/24/98	420	RTA00000422F.b.16.1	M00003813B:A11	17045
1176	2/24/98	421	RTA00000419F.f.10.1	M00003835D:G06	66193
1177	2/24/98	422	RTA00000418F.l.04.1	M00001641C:D02	74140
1178	2/24/98	423	RTA00000410F.a.16.1	M00001633A:E06	73548
1179	2/24/98	424	RTA00000138A.e.13.1	M00001605A:E06	79608
1180	2/24/98	425	RTA00000130A.b.5.1	M00001605A:E09	79579
1181	2/24/98	426	RTA00000408F.j.15.2	M00001485B:F05	74759
1182	2/24/98	427	RTA00000410F.m.20.1	M00001660B:E03	74285
1183	2/24/98	428	RTA00000422F.f.14.1	M00001478B:D07	2036
1184	2/24/98	429	RTA00000422F.c.17.1	M00004099D:F01	1360
1185	2/24/98	430	RTA00000419F.e.04.1	M00003831C:G05	62963
1186	2/24/98	431	RTA00000399F.j.15.1	M00001578C:G06	1261

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1187	2/24/98	432	RTA00000418F.g.05.1	M00001579C:H06	73075
1188	2/24/98	433	RTA00000419F.n.02.1	M00003958B:H08	65963
1189	2/24/98	434	RTA00000348R.b.16.1	M00001347B:H04	6510
1190	2/24/98	435	RTA00000340F.b.02.1	M00001503C:G05	10185
1191	2/24/98	436	RTA00000119A.m.15.1	M00001461A:E05	80989
1192	2/24/98	437	RTA00000403F.m.20.2	M00001576A:F11	707
1193	2/24/98	438	RTA00000195R.d.09.1	M00003981C:B04	8537
1194	2/24/98	439	RTA00000413F.g.23.1	M00004103B:E09	40700
1195	2/24/98	440	RTA00000403F.a.18.1	M00001448D:F12	75726
1196	2/24/98	441	RTA00000404F.m.20.2	M00001647A:H08	39144
1197	2/24/98	442	RTA00000347F.b.02.1	M00001450A:A02	39304
1198	2/24/98	443	RTA00000414F.f.15.1	M00005260A:A12	0
1199	2/24/98	444	RTA00000419F.h.04.1	M00003846A:D03	65034
1200	2/24/98	445	RTA00000408F.d.12.1	M00001459B:A12	75782
1201	2/24/98	446	RTA00000133A.m.19.2	M00001512A:G05	80167
1202	2/24/98	447	RTA00000423F.b.04.3	M00001675D:E10	6311
1203	2/24/98	448	RTA00000127A.a.3.1	M00001552A:H10	13232
1204	2/24/98	449	RTA00000411F.j.16.1	M00003843A:E08	17237
1205	2/24/98	450	RTA00000118A.a.23.1	M00001395A:H02	3500
1206	2/24/98	451	RTA00000126A.o.22.1	M00001551A:A11	81752
1207	2/24/98	452	RTA00000419F.n.13.1	M00003977D:A06	66026
1208	2/24/98	453	RTA00000130A.h.13.1	M00001617A:A01	80790
1209	2/24/98	454	RTA00000418F.n.19.1	M00001659C:F02	28761
1210	2/24/98	455	RTA00000399F.d.23.1	M00001481B:A07	3310
1211	2/24/98	456	RTA00000413F.o.06.1	M00005100A:B02	0
1212	2/24/98	457	RTA00000411F.m.19.1	M00003868D:D11	74924
1213	2/24/98	458	RTA00000130A.a.19.1	M00001605A:A06	0
1214	2/24/98	459	RTA00000419F.k.06.1	M00003871D:A10	78493
1215	2/24/98	460	RTA00000341F.j.12.1	M00003987C:G03	12195
1216	2/24/98	461	RTA00000412F.d.16.1	M00003906B:H06	26829
1217	2/24/98	462	RTA00000119A.j.23.1	M00001460A:G07	79835
1218	2/24/98	463	RTA00000403F.o.22.1	M00001583A:D01	25076
1219	2/24/98	464	RTA00000195AF.c.12.1	M00003818B:G12	37582
1219	1/28/98	300	RTA00000195AF.c.12.1	M00003818B:G12	37582
1220	2/24/98	465	RTA00000350R.p.18.1	M00001676B:F05	11460
1221	2/24/98	466	RTA00000406F.i.24.1	M00003904D:B12	12767
1222	2/24/98	467	RTA00000123A.n.13.2	M00001534A:D03	39167
1223	2/24/98	468	RTA00000423F.c.19.1	M00001680B:E10	40472
1224	2/24/98	469	RTA00000405F.g.24.1	M00001673D:D06	39076
1225	2/24/98	470	RTA00000411F.j.06.1	M00003841C:H08	63545
1226	2/24/98	471	RTA00000419F.c.11.1	M00003817B:C04	65504
1227	2/24/98	472	RTA00000135A.f.14.2	M00001542A:G12	79969
1228	2/24/98	473	RTA00000403F.a.05.1	M00001448A:E11	18808
1229	2/24/98	474	RTA00000405F.e.17.1	M00001669A:C10	38662
1230	2/24/98	475	RTA00000411F.d.05.1	M00001681C:A08	75812
1231	2/24/98	476	RTA00000345F.h.01.1	M00001441B:D11	10834
1232	2/24/98	477	RTA00000418F.d.03.1	M00001567B:G11	76824
1233	2/24/98	478	RTA00000418F.h.08.1	M00001589B:E07	76401
1234	2/24/98	479	RTA00000418F.m.10.1	M00001651A:H11	79110
1235	2/24/98	480	RTA00000411F.i.15.1	M00003837C:G08	31612

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1236	2/24/98	481	RTA00000413F.i.23.1	M00004118B:F01	63073
1237	2/24/98	482	RTA00000411F.e.24.1	M00003813A:B02	64781
1238	2/24/98	483	RTA00000406F.g.22.1	M00003881D:C12	38590
1239	2/24/98	484	RTA00000126A.n.13.2	M00001551A:H06	79735
1240	2/24/98	485	RTA00000419F.a.02.1	M00001678A:F05	77993
1241	2/24/98	486	RTA00000346F.l.13.1	M00003980B:C11	7542
1242	2/24/98	487	RTA00000420F.g.05.1	M00004891B:D01	0
1243	2/24/98	488	RTA00000339F.k.23.1	M00001429D:H12	0
1244	2/24/98	489	RTA00000406F.j.19.1	M00003906A:F12	1685
1245	2/24/98	490	RTA00000120A.d.15.1	M00001464A:B02	80533
1246	2/24/98	491	RTA00000418F.f.21.1	M00001579B:F04	75157
1247	2/24/98	492	RTA00000340F.o.18.1	M00001669D:C03	4261
1248	2/24/98	493	RTA00000129A.d.1.2	M00001587A:F05	80058
1249	2/24/98	494	RTA00000419F.k.12.1	M00003876C:F02	0
1250	2/24/98	495	RTA00000400F.o.21.1	M00001669C:C08	16259
1251	2/24/98	496	RTA00000419F.m.20.1	M00003914A:B07	76720
1252	2/24/98	497	RTA00000350R.f.21.1	M00001610C:E07	22110
1253	2/24/98	498	RTA00000406F.e.15.1	M00003877C:A11	39074
1254	2/24/98	499	RTA00000126A.p.18.2	M00001552A:E10	80881
1255	2/24/98	500	RTA00000411F.c.10.1	M00001678D:B11	73117
1256	2/24/98	501	RTA00000414F.f.05.1	M00005257D:H11	0
1257	2/24/98	502	RTA00000341F.d.08.1	M00003824C:D07	0
1258	2/24/98	503	RTA00000420F.m.08.1	M00005233B:D04	0
1259	2/24/98	504	RTA00000413F.d.05.1	M00004087C:A01	64788
1260	2/24/98	505	RTA00000121A.o.3.1	M00001511A:A02	81437
1261	2/24/98	506	RTA00000403F.f.09.1	M00001477B:C02	0
1262	2/24/98	507	RTA00000420F.e.02.1	M00004107B:D07	40259
1263	2/24/98	508	RTA00000420F.i.20.1	M00005101C:E12	0
1264	2/24/98	509	RTA00000349R.g.10.1	M00001495B:B08	5777
1265	2/24/98	510	RTA00000131A.g.16.2	M00001449A:F01	0
1266	2/24/98	511	RTA00000341F.b.13.1	M00003762B:H09	0
1267	2/24/98	512	RTA00000414F.c.16.1	M00005228A:B03	0
1268	2/24/98	513	RTA00000126A.k.7.2	M00001550A:E07	79866
1269	2/24/98	514	RTA00000404F.e.13.1	M00001608D:E09	12046
1270	2/24/98	515	RTA00000419F.l.03.1	M00003879A:D02	79060
1271	2/24/98	516	RTA00000339F.f.20.1	M00001399A:C03	6494
1272	2/24/98	517	RTA00000118A.a.2.1	M00001395A:A12	38067
1273	2/24/98	518	RTA00000410F.m.18.1	M00001660B:A09	76365
1274	2/24/98	519	RTA00000404F.l.10.1	M00001638B:F10	23136
1275	2/24/98	520	RTA00000406F.c.20.1	M00003871D:G06	38578
1276	2/24/98	521	RTA00000413F.b.14.1	M00004078A:C11	66591
1277	2/24/98	522	RTA00000406F.c.18.1	M00003871C:F12	14368
1278	2/24/98	523	RTA00000418F.j.09.1	M00001626C:D12	76352
1279	2/24/98	524	RTA00000419F.f.23.1	M00003840D:H10	65002
1280	2/24/98	525	RTA00000348R.d.24.1	M00001349B:G05	5774
1281	2/24/98	526	RTA00000411F.a.05.1	M00001675B:H03	76699
1282	2/24/98	527	RTA00000419F.m.21.1	M00003914A:E04	77947
1283	2/24/98	528	RTA00000405F.n.16.1	M00003825B:B10	21503
1284	2/24/98	529	RTA00000422F.o.19.2	M00001655C:E01	13084
1285	2/24/98	530	RTA00000408F.n.02.2	M00001539A:E01	76993

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1286	2/24/98	531	RTA00000345F.n.12.1	M00001528A:C04	7337
1287	2/24/98	532	RTA00000403F.a.24.1	M00001455B:A09	24128
1288	2/24/98	533	RTA00000423F.e.11.1	M00003809B:E10	2566
1289	2/24/98	534	RTA00000126A.g.7.1	M00001548A:H04	1902
1290	2/24/98	535	RTA00000119A.g.7.1	M00001454A:F11	83580
1291	2/24/98	536	RTA00000411F.i.02.1	M00003835B:H11	66975
1292	2/24/98	537	RTA00000408F.l.09.1	M00001530A:A09	75487
1293	2/24/98	538	RTA00000423F.g.04.1	M00003903D:C12	23012
1294	2/24/98	539	RTA00000346F.m.15.1	M00004037B:C04	13553
1295	2/24/98	540	RTA00000418F.i.18.1	M00001595C:B05	78024
1296	2/24/98	541	RTA00000411F.h.15.1	M00003832A:A09	65160
1297	2/24/98	542	RTA00000410F.i.19.1	M00001641B:C10	78988
1298	2/24/98	543	RTA00000419F.k.24.1	M00003878C:G08	75596
1299	2/24/98	544	RTA00000420F.l.21.2	M00005232A:H12	0
1300	2/24/98	545	RTA00000420F.e.15.1	M00004110A:A10	20190
1301	2/24/98	546	RTA00000409F.i.09.1	M00001610B:C07	75279
1302	2/24/98	547	RTA00000419F.h.02.1	M00003845D:G08	63985
1303	2/24/98	548	RTA00000413F.b.12.1	M00004077B:H11	64932
1304	2/24/98	549	RTA00000121A.h.18.1	M00001471A:B04	16376
1305	2/24/98	550	RTA00000411F.n.20.1	M00003875C:A09	75816
1306	2/24/98	551	RTA00000340F.b.05.1	M00001513A:G07	0
1307	2/24/98	552	RTA00000411F.n.12.1	M00003875A:C04	73308
1308	2/24/98	553	RTA00000408F.j.12.2	M00001485B:C03	18226
1309	2/24/98	554	RTA00000409F.i.03.1	M00001610A:E09	75968
1310	2/24/98	555	RTA00000133A.d.22.1	M00001469A:G11	11797
1311	2/24/98	556	RTA00000400F.i.11.1	M00001649C:H10	2587
1312	2/24/98	557	RTA00000409F.j.05.1	M00001611C:C12	74128
1313	2/24/98	558	RTA00000419F.m.04.1	M00003906C:C05	74367
1314	2/24/98	559	RTA00000418F.k.03.1	M00001634D:G11	78901
1315	2/24/98	560	RTA00000419F.d.16.1	M00003828B:E07	64357
1316	2/24/98	561	RTA00000420F.e.10.1	M00004108D:G04	65899
1317	2/24/98	562	RTA00000401F.j.17.1	M00003901B:C05	5483
1318	2/24/98	563	RTA00000406F.b.08.1	M00003867D:A06	18258
1319	2/24/98	564	RTA00000418F.k.08.1	M00001639A:C03	18259
1320	2/24/98	565	RTA00000420F.k.17.2	M00005217B:A06	0
1321	2/24/98	566	RTA00000414F.d.05.1	M00005229D:H03	0
1322	2/24/98	567	RTA00000410F.c.02.1	M00001633D:D12	75055
1323	2/24/98	568	RTA00000403F.m.03.1	M00001573D:D10	39179
1324	2/24/98	569	RTA00000403F.h.18.1	M00001484C:A04	39241
1325	2/24/98	570	RTA00000405F.n.13.1	M00003824A:G10	23810
1326	2/24/98	571	RTA00000355R.e.14.1	M00004314B:G07	16837
1327	2/24/98	572	RTA00000422F.l.03.1	M00001610D:D05	39147
1328	2/24/98	573	RTA00000414F.c.23.1	M00005229B:G12	0
1329	2/24/98	574	RTA00000403F.o.14.1	M00001579D:H09	38971
1330	2/24/98	575	RTA00000345F.a.18.1	M00001351C:B06	5517
1331	2/24/98	576	RTA00000401F.d.15.2	M00001693C:C12	5297
1332	2/24/98	577	RTA00000419F.e.11.1	M00003833B:C12	36780
1333	2/24/98	578	RTA00000127A.f.11.1	M00001554A:A08	81463
1334	2/24/98	579	RTA00000413F.m.16.1	M00004898C:F03	0
1335	2/24/98	580	RTA00000403F.o.07.1	M00001579C:A01	39037

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1336	2/24/98	581	RTA00000403F.d.19.1	M00001472C:A01	39243
1337	2/24/98	582	RTA00000414F.e.14.1	M00005236B:F10	0
1338	2/24/98	583	RTA00000406F.i.17.1	M00003904B:C03	37902
1339	2/24/98	584	RTA00000418F.d.22.1	M00001573B:C06	75324
1340	2/24/98	585	RTA00000340R.o.12.1	M00003746C:E02	53732
1341	2/24/98	586	RTA00000125A.g.24.1	M00001544A:F05	80397
1342	2/24/98	587	RTA00000130A.o.21.1	M00001623A:F04	80218
1343	2/24/98	588	RTA00000420F.a.23.1	M00004078B:F12	42158
1344	2/24/98	589	RTA00000411F.m.18.1	M00003868D:D09	75629
1345	2/24/98	590	RTA00000407F.b.22.1	M00004108B:B02	37487
1346	2/24/98	591	RTA00000409F.a.16.1	M00001583A:A05	73990
1347	2/24/98	592	RTA00000421F.p.18.1	M00003877B:H10	750
1348	2/24/98	593	RTA00000341F.k.12.1	M00004103C:D04	62985
1349	2/24/98	594	RTA00000129A.c.18.2	M00001587A:B10	37216
1350	2/24/98	595	RTA00000410F.d.10.1	M00001635B:H02	77561
1351	2/24/98	596	RTA00000351R.i.03.1	M00003846B:D06	6874
1352	2/24/98	597	RTA00000135A.l.1.2	M00001545A:B10	39426
1353	2/24/98	598	RTA00000420F.b.18.1	M00004086D:G08	66136
1354	2/24/98	599	RTA00000401F.k.14.1	M00003903A:H09	211
1355	2/24/98	600	RTA00000406F.m.04.1	M00003914B:A11	14959
1356	2/24/98	601	RTA00000403F.o.13.1	M00001579D:F04	39049
1357	2/24/98	602	RTA00000411F.f.06.1	M00003813B:E09	64186
1358	2/24/98	603	RTA00000399F.o.19.1	M00001607A:F11	2594
1359	2/24/98	604	RTA00000351R.c.13.1	M00003747D:C05	11476
1360	2/24/98	605	RTA00000403F.c.14.1	M00001457D:A07	0
1361	2/24/98	606	RTA00000420F.l.20.2	M00005232A:C10	0
1362	2/24/98	607	RTA00000420F.d.16.1	M00004103D:F10	64485
1363	2/24/98	608	RTA00000404F.i.12.1	M00001620D:G11	39001
1364	2/24/98	609	RTA00000404F.o.10.2	M00001651B:B12	16285
1365	2/24/98	610	RTA00000419F.d.07.1	M00003820B:D10	21421
1366	2/24/98	611	RTA00000404F.p.02.2	M00001652D:A06	39097
1367	2/24/98	612	RTA00000125A.k.14.1	M00001545A:G05	79457
1368	2/24/98	613	RTA00000122A.j.22.1	M00001516A:F06	81151
1369	2/24/98	614	RTA00000406F.i.13.1	M00003904A:C04	37904
1370	2/24/98	615	RTA00000135A.b.23.1	M00001538A:D12	35241
1371	2/24/98	616	RTA00000423F.c.11.1	M00001677D:B02	0
1372	2/24/98	617	RTA00000423F.f.23.1	M00003816C:E09	15390
1373	2/24/98	618	RTA00000423F.l.04.1	M00004039B:G08	14320
1374	2/24/98	619	RTA00000420F.b.04.1	M00004081A:E02	63820
1375	2/24/98	620	RTA00000420F.a.07.1	M00004072C:F08	63405
1376	2/24/98	621	RTA00000408F.i.18.2	M00001482C:D02	74410
1377	2/24/98	622	RTA00000404F.l.07.1	M00001637C:C06	10798
1378	2/24/98	623	RTA00000341F.j.05.1	M00003963D:B05	36177
1379	2/24/98	624	RTA00000420F.a.16.1	M00004075D:C10	63345
1380	2/24/98	625	RTA00000126A.h.22.2	M00001549A:F01	0
1381	2/24/98	626	RTA00000410F.j.01.1	M00001641B:F12	73399
1382	2/24/98	627	RTA00000408F.p.21.1	M00001579A:C03	77930
1383	2/24/98	628	RTA00000412F.d.19.1	M00003907B:C03	75743
1384	2/24/98	629	RTA00000352R.c.04.1	M00003924A:D08	71976
1385	2/24/98	630	RTA00000413F.f.19.1	M00004100B:C07	65189

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1386	2/24/98	631	RTA00000411F.e.03.1	M00001694D:C12	73648
1387	2/24/98	632	RTA00000191AF.j.14.1	M00004073A:H12	1002
1387	1/28/98	387	RTA00000191AF.j.14.1	M00004073A:H12	1002
1388	2/24/98	633	RTA00000341F.d.02.1	M00003797A:G03	4706
1389	2/24/98	634	RTA00000418F.c.04.1	M00001487B:A11	41587
1390	2/24/98	635	RTA00000418F.o.17.1	M00001661B:F03	79069
1391	2/24/98	636	RTA00000418F.e.21.1	M00001577B:A03	74773
1392	2/24/98	637	RTA00000419F.d.14.1	M00003828A:D05	64945
1393	2/24/98	638	RTA00000418F.b.09.1	M00001478B:H08	19700
1394	2/24/98	639	RTA00000414F.d.09.1	M00005231C:B01	0
1395	2/24/98	640	RTA00000405F.f.02.1	M00001669B:G02	38665
1396	2/24/98	641	RTA00000410F.j.20.1	M00001642D:G10	73601
1397	2/24/98	642	RTA00000341F.h.19.1	M00003916C:C05	0
1398	2/24/98	643	RTA00000420F.l.14.2	M00005230D:F06	0
1399	2/24/98	644	RTA00000119A.j.9.1	M00001460A:B12	82060
1400	2/24/98	645	RTA00000422F.p.12.2	M00001661C:F10	9840
1401	2/24/98	646	RTA00000421F.m.14.1	M00001642A:F03	3524
1402	2/24/98	647	RTA00000418F.b.23.1	M00001485A:C05	28767
1403	2/24/98	648	RTA00000340F.i.13.1	M00001624B:B10	79299
1404	2/24/98	649	RTA00000412F.g.03.1	M00003971B:A10	64740
1405	2/24/98	650	RTA00000122A.g.17.1	M00001514A:B08	32655
1406	2/24/98	651	RTA00000403F.g.11.1	M00001481A:H08	24238
1407	2/24/98	652	RTA00000419F.n.12.1	M00003977D:A03	66086
1408	2/24/98	653	RTA00000352R.m.12.1	M00004212B:C07	2379
1409	2/24/98	654	RTA00000421F.a.05.1	M00001570C:G06	5278
1410	2/24/98	655	RTA00000351R.p.14.1	M00003915C:H04	13166
1411	2/24/98	656	RTA00000403F.e.08.1	M00001473D:B11	19126
1412	2/24/98	657	RTA00000124A.k.20.1	M00001538A:C08	80913
1413	2/24/98	658	RTA00000421A.a.2.1	M00001511A:A05	33585
1414	2/24/98	659	RTA00000422F.m.24.1	M00001641D:C04	39159
1415	2/24/98	660	RTA00000408F.e.24.2	M00001476C:C11	75002
1416	2/24/98	661	RTA00000341F.l.16.1	M00003986D:C08	8479
1417	2/24/98	662	RTA00000339F.o.07.1	M00001473D:G01	2566
1418	2/24/98	663	RTA00000403F.b.12.1	M00001455D:A06	78775
1419	2/24/98	664	RTA00000404F.a.09.1	M00001589C:E06	38985
1420	2/24/98	665	RTA00000419F.p.20.1	M00004039A:C03	9458
1421	2/24/98	666	RTA00000403F.o.19.1	M00001582D:F02	78615
1422	2/24/98	667	RTA00000405F.h.07.2	M00001674A:G11	4984
1423	2/24/98	668	RTA00000408F.m.05.2	M00001530C:G10	23384
1424	2/24/98	669	RTA00000410F.b.10.1	M00001633C:B09	74504
1425	2/24/98	670	RTA00000131A.i.6.1	M00001450A:B08	0
1426	2/24/98	671	RTA00000413F.h.12.1	M00004107A:A12	66929
1427	2/24/98	672	RTA00000406F.k.14.1	M00003907C:C02	38651
1428	2/24/98	673	RTA00000406F.d.09.1	M00003875B:F12	38591
1429	2/24/98	674	RTA00000411F.f.17.1	M00003814B:F12	65661
1430	2/24/98	675	RTA00000411F.k.10.1	M00003850D:H11	64506
1431	2/24/98	676	RTA00000411F.g.21.1	M00003823D:G05	64500
1432	2/24/98	677	RTA00000119A.h.24.1	M00001457A:C05	82266
1433	1/28/98	412	RTA00000195AF.c.24.1	M00003860D:H07	0
1433	2/24/98	678	RTA00000195AF.c.24.1	M00003860D:H07	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1434	2/24/98	679	RTA00000408F.m.22.2	M00001539A:C12	72949
1435	2/24/98	680	RTA00000345F.e.11.1	M00001391C:C04	4392
1436	2/24/98	681	RTA00000120A.c.24.1	M00001464A:D03	34278
1437	2/24/98	682	RTA00000410F.i.17.1	M00001641B:B01	78147
1438	2/24/98	683	RTA00000403F.j.21.1	M00001540D:E02	24723
1439	2/24/98	684	RTA00000339F.k.20.1	M00001426D:D12	6662
1440	2/24/98	685	RTA00000129A.a.13.2	M00001582A:A03	79780
1441	2/24/98	686	RTA00000129A.k.21.1	M00001601A:E12	82067
1442	2/24/98	687	RTA00000350R.g.10.1	M00001587C:C10	9026
1443	2/24/98	688	RTA00000413F.d.23.1	M00004090B:H06	66030
1444	2/24/98	689	RTA00000419F.p.03.1	M00004035A:G10	1937
1445	2/24/98	690	RTA00000341F.b.05.1	M00003793D:A11	0
1446	2/24/98	691	RTA00000354R.n.08.1	M00003835A:A09	8802
1447	2/24/98	692	RTA00000411F.d.10.1	M00001681D:C12	76445
1448	2/24/98	693	RTA00000404F.b.19.1	M00001592B:A04	39281
1449	2/24/98	694	RTA00000418F.c.07.1	M00001529D:C05	73245
1450	2/24/98	695	RTA00000418F.j.15.1	M00001632C:H07	74855
1451	2/24/98	696	RTA00000404F.p.12.2	M00001653B:C06	0
1452	2/24/98	697	RTA00000412F.d.14.1	M00003905D:C08	76757
1453	2/24/98	698	RTA00000413F.b.16.1	M00004078A:E05	65126
1454	2/24/98	699	RTA00000340F.l.05.1	M00001644B:D06	38935
1455	2/24/98	700	RTA00000350R.m.14.1	M00001644C:B07	39171
1456	2/24/98	701	RTA00000418F.l.11.1	M00001641C:H07	77158
1457	2/24/98	702	RTA00000130A.d.5.1	M00001605A:H03	82051
1458	2/24/98	703	RTA00000339F.n.05.1	M00001449D:B01	39648
1459	2/24/98	704	RTA00000355R.a.12.1	M00004159C:F09	36756
1460	2/24/98	705	RTA00000407F.a.23.1	M00004081C:A10	23489
1461	2/24/98	706	RTA00000403F.a.09.1	M00001448B:H05	77820
1462	2/24/98	707	RTA00000403F.h.11.1	M00001483B:D04	35219
1463	2/24/98	708	RTA00000406F.j.13.1	M00003905D:B08	38688
1464	2/24/98	709	RTA00000352R.p.09.1	M00004228C:H03	16915
1465	2/24/98	710	RTA00000413F.g.24.1	M00004104D:A04	65481
1466	2/24/98	711	RTA00000404F.l.03.2	M00001636B:G11	40272
1467	2/24/98	712	RTA00000407F.b.18.1	M00004102C:D09	37569
1468	2/24/98	713	RTA00000414F.b.10.1	M00005212D:D09	0
1469	2/24/98	714	RTA00000420F.a.08.1	M00004073A:D10	19473
1470	2/24/98	715	RTA00000418F.b.01.1	M00001475C:G11	76040
1471	2/24/98	716	RTA00000420F.l.03.2	M00005217D:F12	0
1472	2/24/98	717	RTA00000404F.i.22.1	M00001625C:G05	39082
1473	2/24/98	718	RTA00000124A.k.23.1	M00001538A:D03	81350
1474	2/24/98	719	RTA00000404F.e.11.1	M00001608C:E11	38991
1475	2/24/98	720	RTA00000129A.d.2.4	M00001587A:G06	80119
1476	2/24/98	721	RTA00000422F.k.14.1	M00001649D:A08	0
1477	2/24/98	722	RTA00000411F.l.22.1	M00003858B:G05	64439
1478	2/24/98	723	RTA00000419F.o.15.1	M00003989C:D03	32487
1479	2/24/98	724	RTA00000119A.m.17.1	M00001461A:F05	79536
1480	2/24/98	725	RTA00000410F.b.07.1	M00001633C:A05	78916
1481	2/24/98	726	RTA00000420F.b.19.1	M00004088D:A11	36873
1482	2/24/98	727	RTA00000414F.d.02.1	M00005229B:H06	0
1483	2/24/98	728	RTA00000411F.b.21.1	M00001677B:A02	10051

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1484	2/24/98	729	RTA00000403F.m.20.1	M00001576A:F11	707
1485	2/24/98	730	RTA00000356R.c.16.1	M00004294C:C08	16915
1486	2/24/98	731	RTA00000119A.d.17.1	M00001453A:B01	0
1487	2/24/98	732	RTA00000412F.h.11.1	M00003974B:B11	63175
1488	2/24/98	733	RTA00000405F.d.18.1	M00001662C:B02	10494
1489	2/24/98	734	RTA00000414F.e.09.1	M00005236A:G10	0
1490	2/24/98	735	RTA00000420F.a.11.1	M00004073C:D04	66460
1491	2/24/98	736	RTA00000120A.c.7.1	M00001462A:D03	80985
1492	2/24/98	737	RTA00000404F.e.15.1	M00001609B:C09	39101
1493	2/24/98	738	RTA00000422F.n.20.1	M00001669B:B12	38676
1494	2/24/98	739	RTA00000423F.h.20.1	M00003914A:G06	38639
1495	2/24/98	740	RTA00000399F.l.19.1	M00001590D:G07	40145
1496	2/24/98	741	RTA00000414F.b.12.1	M00005212D:H01	0
1497	2/24/98	742	RTA00000410F.b.18.1	M00001633C:H11	76701
1498	2/24/98	743	RTA00000345F.i.08.1	M00001449D:G10	0
1499	2/24/98	744	RTA00000423F.g.15.1	M00003905A:F09	35173
1500	2/24/98	745	RTA00000413F.b.04.1	M00004076D:H07	66427
1501	2/24/98	746	RTA00000345F.e.02.1	M00001395A:E03	0
1502	2/24/98	747	RTA00000413F.n.24.1	M00004960C:E10	0
1503	2/24/98	748	RTA00000346F.f.11.1	M00003793C:D09	38528
1504	2/24/98	749	RTA00000351R.i.13.1	M00003858D:F12	0
1505	2/24/98	750	RTA00000403F.c.05.1	M00001456C:C11	74935
1506	2/24/98	751	RTA00000422F.i.02.1	M00001456C:B12	76436
1507	2/24/98	752	RTA00000410F.a.08.1	M00001632A:B10	73324
1508	2/24/98	753	RTA00000345F.o.13.1	M00001546B:F12	11500
1509	2/24/98	754	RTA00000419F.e.02.1	M00003830C:A03	65010
1510	2/24/98	755	RTA00000423F.d.17.1	M00001663A:C11	20630
1511	2/24/98	756	RTA00000403F.g.13.1	M00001481B:D09	38718
1512	2/24/98	757	RTA00000423F.h.13.1	M00003871A:B09	14303
1513	2/24/98	758	RTA00000407F.a.01.1	M00004039A:H11	12501
1514	2/24/98	759	RTA00000399F.o.06.1	M00001595D:G03	13574
1515	2/24/98	760	RTA00000423F.d.04.1	M00001694A:B12	11307
1516	2/24/98	761	RTA00000411F.f.14.1	M00003814B:C12	62984
1517	2/24/98	762	RTA00000411F.c.04.1	M00001677B:E06	76858
1518	2/24/98	763	RTA00000135A.m.18.1	M00001545A:C03	19255
1519	2/24/98	764	RTA00000413F.c.17.1	M00004085B:B05	36831
1520	2/24/98	765	RTA00000137A.j.15.4	M00001559A:C08	4213
1521	2/24/98	766	RTA00000404F.j.01.1	M00001625D:G10	26859
1522	2/24/98	767	RTA00000138A.p.10.1	M00001644A:H01	81625
1523	2/24/98	768	RTA00000121A.k.5.1	M00001507A:E04	17530
1524	2/24/98	769	RTA00000340F.i.10.1	M00001618A:F10	38561
1525	2/24/98	770	RTA00000421F.f.05.1	M00001477B:E02	5266
1526	2/24/98	771	RTA00000423F.h.07.1	M00003911B:F08	37933
1527	2/24/98	772	RTA00000413F.e.04.1	M00004090C:C07	64176
1528	2/24/98	773	RTA00000406F.h.03.1	M00003901B:A09	38585
1529	2/24/98	774	RTA00000403F.e.24.1	M00001476B:D10	16432
1530	2/24/98	775	RTA00000405F.c.22.1	M00001660C:B06	39053
1531	2/24/98	776	RTA00000403F.i.11.1	M00001485D:E05	23535
1532	2/24/98	777	RTA00000419F.g.02.1	M00003842A:A03	62839
1533	2/24/98	778	RTA00000347F.e.05.1	M00001578D:C04	39814

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1534	2/24/98	779	RTA00000408F.l.16.1	M00001530A:F12	73468
1535	2/24/98	780	RTA00000405F.l.11.1	M00001693D:E08	2055
1536	2/24/98	781	RTA00000423F.f.09.1	M00003808C:A05	64823
1537	2/24/98	782	RTA00000419F.k.03.1	M00003871C:B05	40822
1538	2/24/98	783	RTA00000406F.b.02.1	M00003867B:G08	38744
1539	2/24/98	784	RTA00000418F.o.14.1	M00001661B:B05	33524
1540	2/24/98	785	RTA00000404F.l.03.1	M00001636B:G11	40272
1541	2/24/98	786	RTA00000404F.b.09.1	M00001591D:C07	39166
1542	2/24/98	787	RTA00000345F.i.24.1	M00001449C:C05	0
1543	2/24/98	788	RTA00000419F.i.04.1	M00003860B:F11	65791
1544	2/24/98	789	RTA00000423F.b.13.1	M00001676C:E07	20619
1545	2/24/98	790	RTA00000345F.n.08.1	M00001517A:B11	0
1546	2/24/98	791	RTA00000399F.n.15.1	M00001594D:C03	3213
1547	2/24/98	792	RTA00000406F.k.11.1	M00003907B:D05	38715
1548	2/24/98	793	RTA00000414F.e.21.1	M00005257C:G01	0
1549	2/24/98	794	RTA00000406F.c.06.1	M00003870C:A01	37924
1550	2/24/98	795	RTA00000418F.n.07.1	M00001658B:A07	76316
1551	2/24/98	796	RTA00000419F.n.15.1	M00003977D:D04	63484
1552	2/24/98	797	RTA00000408F.n.06.2	M00001539A:H12	76642
1553	2/24/98	798	RTA00000420F.c.04.1	M00004089A:B08	65007
1554	2/24/98	799	RTA00000411F.j.15.1	M00003843A:E04	66871
1555	2/24/98	800	RTA00000403F.m.12.1	M00001575D:A02	16933
1556	2/24/98	801	RTA00000128A.m.23.1	M00001561A:D01	81441
1557	2/24/98	802	RTA00000406F.g.03.1	M00003880B:D11	38690
1558	2/24/98	803	RTA00000405F.h.05.2	M00001674A:G07	75706
1559	2/24/98	804	RTA00000129A.n.24.1	M00001604A:C07	81409
1560	2/24/98	805	RTA00000406F.j.08.1	M00003905B:C06	6688
1561	2/24/98	806	RTA00000345F.f.08.1	M00001413B:H09	0
1562	2/24/98	807	RTA00000418F.n.11.1	M00001658D:G12	78977
1563	2/24/98	808	RTA00000418F.p.08.1	M00001669D:D06	73983
1564	2/24/98	809	RTA00000420F.i.23.1	M00005134A:D11	0
1565	2/24/98	810	RTA00000120A.h.9.1	M00001465A:B12	80736
1566	2/24/98	811	RTA00000413F.a.12.1	M00004072D:F09	63403
1567	2/24/98	812	RTA00000412F.o.05.1	M00004034A:A01	63575
1568	2/24/98	813	RTA00000346F.o.06.1	M00004136D:B02	4937
1569	2/24/98	814	RTA00000408F.l.24.1	M00001530B:G09	34263
1570	2/24/98	815	RTA00000403F.a.17.1	M00001448D:E12	13686
1571	2/24/98	816	RTA00000354R.n.04.1	M00003808C:B05	22049
1572	2/24/98	817	RTA00000420F.l.08.2	M00005228C:C05	0
1573	2/24/98	818	RTA00000406F.h.05.1	M00003901B:C03	38542
1574	2/24/98	819	RTA00000410F.b.24.1	M00001633D:D09	75104
1575	2/24/98	820	RTA00000423F.d.11.1	M00001678C:C06	38950
1576	2/24/98	821	RTA00000420F.h.16.1	M00004927A:E06	0
1577	2/24/98	822	RTA00000419F.o.21.1	M00004031A:E01	10336
1578	2/24/98	823	RTA00000119A.k.1.1	M00001460A:H11	81282
1579	2/24/98	824	RTA00000420F.f.07.1	M00004119A:C09	66312
1580	2/24/98	825	RTA00000404F.k.22.2	M00001635D:C12	39084
1581	2/24/98	826	RTA00000422F.e.07.1	M00001579C:G05	38964
1582	2/24/98	827	RTA00000410F.f.12.1	M00001637C:E03	73883
1583	2/24/98	828	RTA00000419F.n.05.1	M00003976C:D06	63713

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1584	2/24/98	829	RTA00000411F.m.11.1	M00003867A:D12	73196
1585	2/24/98	830	RTA00000347F.b.08.1	M00001541B:E05	17591
1586	2/24/98	831	RTA00000420F.d.21.1	M00004107B:B04	65313
1587	2/24/98	832	RTA00000403F.o.10.2	M00001579C:G05	38964
1588	2/24/98	833	RTA00000420F.j.20.1	M00005140D:C06	0
1589	2/24/98	834	RTA00000407F.b.11.1	M00004090C:C10	0
1590	2/24/98	835	RTA00000413F.c.10.1	M00004083B:C01	65600
1591	2/24/98	836	RTA00000411F.b.17.1	M00001676D:B02	72893
1592	2/24/98	837	RTA00000420F.h.01.1	M00004897C:D06	0
1593	2/24/98	838	RTA00000408F.k.19.1	M00001487C:G03	77593
1594	2/24/98	839	RTA00000414F.b.01.1	M00005212B:A02	0
1595	2/24/98	840	RTA00000420F.b.20.1	M00004088D:B05	0
1596	2/24/98	841	RTA00000119A.i.8.1	M00001457A:G12	82593
1597	2/24/98	842	RTA00000401F.n.23.1	M00003982A:B06	1552
1598	2/24/98	843	RTA00000418F.g.03.1	M00001579C:E06	78737
1599	2/24/98	844	RTA00000411F.a.09.1	M00001675C:F01	78629
1600	2/24/98	845	RTA00000348R.b.04.1	M00001342B:E01	1890
1601	2/24/98	846	RTA00000419F.j.11.1	M00003868C:C07	73183
1602	2/24/98	847	RTA00000403F.l.11.1	M00001571D:F05	25073
1603	2/24/98	848	RTA00000404F.n.18.2	M00001649C:E11	37169
1604	2/24/98	849	RTA00000122A.n.16.1	M00001517A:G08	80553
1605	2/24/98	850	RTA00000420F.c.07.1	M00004089A:E02	65555
1606	2/24/98	851	RTA00000423F.d.07.1	M00001678B:B12	0
1607	2/24/98	852	RTA00000414F.f.03.1	M00005257D:G07	0
1608	2/24/98	853	RTA00000408F.j.13.2	M00001485B:D10	42275
1609	2/24/98	854	RTA00000345F.a.07.1	M00001338C:E10	0
1610	2/24/98	855	RTA00000423F.a.01.1	M00001659C:F10	39103
1611	2/24/98	856	RTA00000408F.d.02.1	M00001458D:A01	79169
1612	2/24/98	857	RTA00000404F.c.09.1	M00001608B:A09	39124
1613	2/24/98	858	RTA00000341F.e.20.1	M00003891D:B10	67422
1614	2/24/98	859	RTA00000419F.m.22.1	M00003914A:G09	75600
1615	2/24/98	860	RTA00000419F.m.23.1	M00003958B:E11	64263
1616	2/24/98	861	RTA00000419F.b.06.1	M00001694B:B08	76728
1617	2/24/98	862	RTA00000414F.c.07.1	M00005216A:H01	0
1618	2/24/98	863	RTA00000406F.p.08.1	M00004032C:B02	37573
1619	2/24/98	864	RTA00000129A.n.17.1	M00001604A:A09	79811
1620	2/24/98	865	RTA00000414F.c.03.1	M00005216A:D09	0
1621	2/24/98	866	RTA00000407F.b.08.1	M00004088D:B03	37513
1622	2/24/98	867	RTA00000339F.l.21.1	M00001455D:D11	9781
1623	2/24/98	868	RTA00000406F.i.08.1	M00003903C:E12	37946
1624	2/24/98	869	RTA00000403F.h.07.1	M00001482D:H11	26856
1625	2/24/98	870	RTA00000418F.n.24.1	M00001659D:C09	73153
1626	2/24/98	871	RTA00000403F.f.23.1	M00001479C:E01	39223
1627	2/24/98	872	RTA00000409F.l.20.1	M00001615B:G01	74394
1628	2/24/98	873	RTA00000418F.l.06.1	M00001641C:F01	73317
1629	2/24/98	874	RTA00000346F.o.22.1	M00004300C:H09	7381
1630	2/24/98	875	RTA00000129A.k.22.1	M00001601A:E02	79639
1631	2/24/98	876	RTA00000423F.d.16.1	M00001678D:C11	39173
1632	2/24/98	877	RTA00000418F.m.22.1	M00001654D:E12	74567
1633	2/24/98	878	RTA00000413F.c.12.1	M00004083B:G03	65334

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1634	2/24/98	879	RTA00000409F.b.19.1	M00001584D:H02	14479
1635	2/24/98	880	RTA00000418F.g.20.1	M00001585B:C03	74626
1636	2/24/98	881	RTA00000413F.d.15.1	M00004088C:E04	64943
1637	2/24/98	882	RTA00000355R.c.03.1	M00004244C:G07	3986
1638	2/24/98	883	RTA00000406F.c.09.1	M00003870C:E10	5671
1639	2/24/98	884	RTA00000412F.c.10.1	M00003903C:C04	76372
1640	2/24/98	885	RTA00000122A.j.17.1	M00001516A:D02	62736
1641	2/24/98	886	RTA00000420F.m.15.1	M00005235B:F10	0
1642	2/24/98	887	RTA00000339F.p.06.1	M00001484A:A10	4880
1643	2/24/98	888	RTA00000339R.c.04.1	M00001362D:H01	1805
1644	2/24/98	889	RTA00000346F.b.16.1	M00001615C:G05	16485
1645	2/24/98	890	RTA00000418F.j.19.1	M00001634D:D02	78399
1646	2/24/98	891	RTA00000137A.p.12.1	M00001587A:B01	80614
1647	2/24/98	892	RTA00000339F.m.17.1	M00001453B:H12	20854
1648	2/24/98	893	RTA00000418F.p.10.1	M00001669D:F05	75323
1649	2/24/98	894	RTA00000408F.k.12.1	M00001486B:D07	77246
1650	2/24/98	895	RTA00000137A.j.11.4	M00001559A:A11	79752
1651	2/24/98	896	RTA00000423F.l.20.1	M00004105C:E09	12580
1652	2/24/98	897	RTA00000419F.n.24.1	M00003980A:F04	65995
1653	2/24/98	898	RTA00000418F.l.03.1	M00001641C:C06	79058
1654	2/24/98	899	RTA00000406F.h.10.1	M00003901C:F09	22732
1655	2/24/98	900	RTA00000419F.m.13.1	M00003908A:F12	79052
1656	2/24/98	901	RTA00000418F.j.14.1	M00001632C:B10	32623
1657	2/24/98	902	RTA00000403F.a.10.1	M00001448C:E11	73952
1658	2/24/98	903	RTA00000420F.a.21.1	M00004078B:C11	66241
1659	2/24/98	904	RTA00000127A.e.6.1	M00001553A:E07	5885
1660	2/24/98	905	RTA00000405F.g.21.2	M00001673B:F07	38966
1661	2/24/98	906	RTA00000405F.g.21.1	M00001673B:F07	38966
1662	2/24/98	907	RTA00000419F.m.05.1	M00003906C:D06	75749
1663	2/24/98	908	RTA00000423F.g.03.1	M00003905C:G11	38007
1664	2/24/98	909	RTA00000420F.i.04.1	M00004959D:H12	0
1665	2/24/98	910	RTA00000418F.f.03.1	M00001577B:F10	78911
1666	2/24/98	911	RTA00000406F.p.13.1	M00004034C:G02	8584
1667	2/24/98	912	RTA00000404F.g.13.1	M00001614C:E06	9436
1668	2/24/98	913	RTA00000120A.c.20.1	M00001464A:B07	43235
1669	2/24/98	914	RTA00000138A.m.15.1	M00001624A:A03	41603
1670	2/24/98	915	RTA00000408F.f.14.2	M00001476D:F03	73024
1671	2/24/98	916	RTA00000418F.p.20.1	M00001677D:B07	78023
1672	2/24/98	917	RTA00000423F.e.21.1	M00003806B:G05	66961
1673	2/24/98	918	RTA00000419F.j.22.1	M00003871A:A02	73525
1674	2/24/98	919	RTA00000410F.d.18.1	M00001635D:D05	75458
1675	2/24/98	920	RTA00000403F.b.24.1	M00001456B:G01	78838
1676	2/24/98	921	RTA00000422F.j.02.1	M00001594D:B08	10368
1677	2/24/98	922	RTA00000410F.e.09.1	M00001636A:F08	76093
1678	2/24/98	923	RTA00000126A.d.19.1	M00001548A:G01	79474
1679	2/24/98	924	RTA00000354R.m.02.1	M00003890B:C08	12766
1680	2/24/98	925	RTA00000353R.h.10.1	M00001390C:C11	39498
1681	2/24/98	926	RTA00000399F.k.20.1	M00001585C:D10	3003
1682	2/24/98	927	RTA00000411F.d.21.1	M00001692B:E01	74794
1683	2/24/98	928	RTA00000340F.m.04.1	M00001679B:H07	19406

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1684	2/24/98	929	RTA00000411F.n.09.1	M00003875A:A07	78962
1685	2/24/98	930	RTA00000127A.h.22.2	M00001554A:E04	13155
1686	2/24/98	931	RTA00000420F.e.09.1	M00004108D:E07	66325
1687	2/24/98	932	RTA00000405F.p.03.1	M00003844A:A11	11346
1688	2/24/98	933	RTA00000419F.a.18.1	M00001680A:B02	78484
1689	2/24/98	934	RTA00000414F.e.01.1	M00005233D:H07	0
1690	2/24/98	935	RTA00000420F.i.07.1	M00004960A:B08	0
1691	2/24/98	936	RTA00000121A.n.23.1	M00001511A:G01	26981
1692	2/24/98	937	RTA00000121A.n.15.1	M00001511A:G08	40849
1693	2/24/98	938	RTA00000403F.i.23.1	M00001487B:E10	11364
1694	2/24/98	939	RTA00000405F.a.03.1	M00001654C:E04	39065
1695	2/24/98	940	RTA00000414F.f.17.1	M00005260A:F04	0
1696	2/24/98	941	RTA00000419F.p.08.1	M00004036D:B04	65560
1697	2/24/98	942	RTA00000126A.n.6.2	M00001551A:D04	79917
1698	2/24/98	943	RTA00000413F.c.03.1	M00004081D:H09	64527
1699	2/24/98	944	RTA00000422F.k.24.1	M00001610C:E06	39118
1700	2/24/98	945	RTA00000412F.c.17.1	M00003905A:A06	75620
1701	2/24/98	946	RTA00000414F.b.07.1	M00005212C:D02	0
1702	2/24/98	947	RTA00000347F.g.08.1	M00004096B:F05	23121
1703	2/24/98	948	RTA00000419F.o.06.1	M00003986C:D09	64643
1704	2/24/98	949	RTA00000340R.j.07.1	M00001654C:D05	38954
1705	2/24/98	950	RTA00000423F.j.02.1	M00003903B:C02	38617
1706	2/24/98	951	RTA00000419F.c.04.1	M00003815C:D12	63749
1707	2/24/98	952	RTA00000411F.a.01.1	M00001675B:D02	74524
1708	2/24/98	953	RTA00000406F.f.05.1	M00003878C:F06	22961
1709	2/24/98	954	RTA00000410F.n.05.1	M00001662A:C07	77830
1710	2/24/98	955	RTA00000404F.e.06.1	M00001607D:F06	39315
1711	2/24/98	956	RTA00000423F.l.06.1	M00004062A:H06	38136
1712	2/24/98	957	RTA00000411F.c.03.1	M00001677B:B06	78250
1713	2/24/98	958	RTA00000195AF.c.8.1	M00001678B:H01	0
1713	1/28/98	520	RTA00000195AF.c.8.1	M00001678B:H01	0
1714	2/24/98	959	RTA00000340F.g.20.1	M00001609D:G10	4089
1715	2/24/98	960	RTA00000404F.l.19.2	M00001639B:H01	16196
1716	2/24/98	961	RTA00000420F.n.21.2	M00005259B:D12	0
1717	2/24/98	962	RTA00000404F.p.05.2	M00001652D:E09	1896
1718	2/24/98	963	RTA00000405F.l.07.1	M00001693C:E09	38636
1719	2/24/98	964	RTA00000423F.l.15.1	M00004075B:G09	11219
1720	2/24/98	965	RTA00000411F.n.06.1	M00003871D:E11	73886
1721	2/24/98	966	RTA00000422F.k.15.1	M00001594A:G09	19253
1722	2/24/98	967	RTA00000406F.h.16.1	M00003902B:D06	38618
1723	2/24/98	968	RTA00000419F.f.24.1	M00003841B:E06	18717
1724	2/24/98	969	RTA00000411F.d.18.1	M00001692A:G06	76063
1725	2/24/98	970	RTA00000414F.e.15.1	M00005236B:G03	0
1726	2/24/98	971	RTA00000411F.i.11.1	M00003837C:E05	66849
1727	2/24/98	972	RTA00000408F.d.15.1	M00001459B:C11	78467
1728	2/24/98	973	RTA00000339F.b.22.1	M00001373D:B03	6867
1729	2/24/98	974	RTA00000340F.h.07.1	M00001608D:D11	19254
1730	2/24/98	975	RTA00000411F.n.02.1	M00003870B:F04	78049
1731	2/24/98	976	RTA00000419F.b.17.1	M00003808D:D04	63261
1732	2/24/98	977	RTA00000350R.p.12.1	M00001657C:C07	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1733	2/24/98	978	RTA00000130A.e.20.1	M00001606A:H09	79502
1734	2/24/98	979	RTA00000345F.b.17.1	M00001362C:H11	945
1735	2/24/98	980	RTA00000411F.i.13.1	M00003837C:F10	66138
1736	2/24/98	981	RTA00000420F.e.20.1	M00004110B:A07	64762
1737	2/24/98	982	RTA00000126A.p.23.2	M00001552A:F06	80915
1738	2/24/98	983	RTA00000423F.f.11.1	M00003809A:H04	0
1739	2/24/98	984	RTA00000406F.g.08.1	M00003880C:H03	37963
1740	2/24/98	985	RTA00000409F.a.08.1	M00001582D:B01	74978
1741	2/24/98	986	RTA00000406F.d.24.1	M00003876B:C05	37997
1742	2/24/98	987	RTA00000422F.b.22.1	M00004117B:A12	2368
1743	2/24/98	988	RTA00000407F.a.22.1	M00004081A:G01	15570
1744	2/24/98	989	RTA00000418F.i.12.1	M00001592A:E02	78971
1745	2/24/98	990	RTA00000121A.h.19.1	M00001471A:D04	80334
1746	2/24/98	991	RTA00000419F.b.10.1	M00001694C:G04	78566
1747	2/24/98	992	RTA00000406F.m.10.1	M00003914D:B02	38004
1748	2/24/98	993	RTA00000406F.o.05.1	M00003985B:G04	37894
1749	2/24/98	994	RTA00000408F.b.04.2	M00001455A:F04	39933
1750	2/24/98	995	RTA00000411F.k.04.1	M00003850D:A05	65407
1751	2/24/98	996	RTA00000423F.j.03.1	M00003903B:D03	5391
1752	2/24/98	997	RTA00000134A.l.9.1	M00001535A:D10	81814
1753	2/24/98	998	RTA00000341F.g.22.1	M00003914D:D10	0
1754	2/24/98	999	RTA00000418F.k.04.1	M00001637A:A03	75864
1755	2/24/98	1000	RTA00000351R.j.21.1	M00003859D:C05	31604
1756	2/24/98	1001	RTA00000413F.p.07.2	M00005102C:D03	0
1757	2/24/98	1002	RTA00000419F.p.18.1	M00004038D:G06	63002
1758	2/24/98	1003	RTA00000420F.k.08.2	M00005176C:C09	0
1759	2/24/98	1004	RTA00000419F.a.24.1	M00001680B:D02	79290
1760	2/24/98	1005	RTA00000339F.e.17.1	M00001397D:G08	7568
1761	2/24/98	1006	RTA00000129A.c.14.1	M00001587A:F08	80653
1762	2/24/98	1007	RTA00000404F.a.01.1	M00001589B:B08	19251
1763	2/24/98	1008	RTA00000414F.f.07.1	M00005259C:B05	0
1764	2/24/98	1009	RTA00000399F.o.24.1	M00001607D:A11	2272
1765	2/24/98	1010	RTA00000408F.n.16.2	M00001540C:B03	73720
1766	2/24/98	1011	RTA00000400F.c.04.1	M00001618A:F08	6445
1767	2/24/98	1012	RTA00000403F.g.06.1	M00001480C:A05	10505
1768	2/24/98	1013	RTA00000404F.b.18.1	M00001592A:H05	13669
1769	2/24/98	1014	RTA00000412F.l.14.1	M00004029B:F01	62792
1770	2/24/98	1015	RTA00000129A.b.6.2	M00001582A:H01	39111
1771	2/24/98	1016	RTA00000406F.n.12.1	M00003960A:G07	37517
1772	2/24/98	1017	RTA00000418F.e.03.1	M00001573B:G08	73442
1773	2/24/98	1018	RTA00000413F.j.21.1	M00004688A:A02	0
1774	2/24/98	1019	RTA00000403F.g.03.1	M00001479D:G06	23537
1775	2/24/98	1020	RTA00000412F.p.06.1	M00004038B:H10	65485
1776	2/24/98	1021	RTA00000419F.b.21.1	M00003809A:F01	65366
1777	2/24/98	1022	RTA00000401F.j.15.1	M00003901A:C09	3061
1778	2/24/98	1023	RTA00000404F.f.12.1	M00001611B:A05	39209
1779	2/24/98	1024	RTA00000351R.j.16.1	M00003857B:F07	64773
1780	2/24/98	1025	RTA00000118A.j.24.1	M00001450A:B03	18
1781	2/24/98	1026	RTA00000419F.f.18.1	M00003839D:E11	64047
1782	2/24/98	1027	RTA00000423F.i.16.1	M00003907D:A12	38604

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1783	2/24/98	1028	RTA00000346F.d.12.1	M00001676B:B09	11777
1784	2/24/98	1029	RTA00000411F.f.04.1	M00003813A:G04	64526
1785	2/24/98	1030	RTA00000125A.c.17.1	M00001542A:E04	80619
1786	2/24/98	1031	RTA00000404F.g.08.1	M00001613D:H10	38980
1787	2/24/98	1032	RTA00000423F.c.13.1	M00001678A:A11	39059
1788	2/24/98	1033	RTA00000414F.e.19.1	M00005257C:E05	0
1789	2/24/98	1034	RTA00000124A.f.16.3	M00001536A:F11	47430
1790	2/24/98	1035	RTA00000404F.k.15.1	M00001634A:B04	18225
1791	2/24/98	1036	RTA00000339F.k.08.1	M00001439B:A10	8133
1792	2/24/98	1037	RTA00000339F.l.12.1	M00001450A:G11	7711
1793	2/24/98	1038	RTA00000406F.b.01.1	M00003867B:G07	39006
1794	2/24/98	1039	RTA00000407F.c.08.1	M00004118D:B05	37549
1795	2/24/98	1040	RTA00000348R.o.12.1	M00001433C:F10	2263
1796	2/24/98	1041	RTA00000403F.b.05.1	M00001455B:E07	74300
1797	2/24/98	1042	RTA00000339F.g.10.1	M00001400C:D02	6327
1798	2/24/98	1043	RTA00000423F.b.17.1	M00001662B:F06	8200
1799	2/24/98	1044	RTA00000419F.n.11.1	M00003977C:B03	66477
1800	2/24/98	1045	RTA00000408F.j.05.2	M00001483C:G06	73878
1801	2/24/98	1046	RTA00000346F.j.06.1	M00003879A:A02	5767
1802	2/24/98	1047	RTA00000419F.c.14.1	M00003819B:G01	65727
1803	2/24/98	1048	RTA00000413F.o.07.2	M00005100A:C01	0
1804	2/24/98	1049	RTA00000405F.f.05.1	M00001669C:D09	14359
1805	2/24/98	1050	RTA00000405F.f.05.2	M00001669C:D09	14359
1806	2/24/98	1051	RTA00000346F.h.24.1	M00003797A:C11	4379
1807	2/24/98	1052	RTA00000420F.b.02.1	M00004081A:A08	64013
1808	2/24/98	1053	RTA00000413F.b.24.1	M00004080A:F01	65117
1809	2/24/98	1054	RTA00000412F.d.08.1	M00003905C:B02	75328
1810	2/24/98	1055	RTA00000346F.a.04.1	M00001607B:C05	5382
1811	2/24/98	1056	RTA00000419F.m.18.1	M00003903C:G09	76014
1812	2/24/98	1057	RTA00000419F.l.24.1	M00003904D:B10	74628
1813	2/24/98	1058	RTA00000408F.c.06.1	M00001456D:E08	78619
1814	2/24/98	1059	RTA00000405F.h.21.2	M00001675C:D12	39072
1815	2/24/98	1060	RTA00000346F.g.02.1	M00003792A:B10	6901
1816	2/24/98	1061	RTA00000405F.g.05.2	M00001671D:E10	38987
1817	2/24/98	1062	RTA00000411F.f.20.1	M00003816C:C01	63501
1818	2/24/98	1063	RTA00000132A.n.7.1	M00001466A:F08	0
1819	2/24/98	1064	RTA00000420F.d.19.1	M00004105C:C08	43146
1820	1/28/98	595	RTA00000195R.a.06.1	M00001394A:E04	35265
1820	2/24/98	1065	RTA00000195R.a.06.1	M00001394A:E04	35265
1821	2/24/98	1066	RTA00000123A.f.2.1	M00001531A:H03	80379
1822	2/24/98	1067	RTA00000411F.j.11.1	M00003841D:F06	66154
1823	2/24/98	1068	RTA00000341F.f.03.1	M00003850A:F06	0
1824	2/24/98	1069	RTA00000346F.k.05.1	M00003904C:A08	0
1825	2/24/98	1070	RTA00000346F.n.22.1	M00004137A:D06	0
1826	2/24/98	1071	RTA00000404F.k.18.2	M00001635A:C06	5475
1827	2/24/98	1072	RTA00000419F.j.03.1	M00003868B:G06	77578
1828	2/24/98	1073	RTA00000418F.a.10.1	M00001475B:C04	15245
1829	2/24/98	1074	RTA00000423F.h.11.1	M00003867C:E11	38977
1830	2/24/98	1075	RTA00000413F.b.17.1	M00004078A:F07	21704
1831	2/24/98	1076	RTA00000423F.k.09.1	M00004035B:H09	26630

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1832	2/24/98	1077	RTA00000414F.e.11.1	M00005236B:A12	0
1833	2/24/98	1078	RTA00000423F.f.03.1	M00003829C:D10	63852
1834	2/24/98	1079	RTA00000419F.e.10.1	M00003833B:B03	63225
1835	2/24/98	1080	RTA00000351R.g.06.1	M00003771D:G05	0
1836	2/24/98	1081	RTA00000403F.d.02.1	M00001458D:D01	39224
1837	2/24/98	1082	RTA00000137A.o.22.1	M00001587A:D01	0
1838	2/24/98	1083	RTA00000418F.j.20.1	M00001634D:D04	77101
1839	2/24/98	1084	RTA00000403F.o.22.2	M00001583A:D01	25076
1840	2/24/98	1085	RTA00000403F.n.22.1	M00001578B:B05	26775
1841	2/24/98	1086	RTA00000403F.n.22.2	M00001578B:B05	26775
1842	2/24/98	1087	RTA00000401F.o.13.1	M00004040C:A01	3220
1843	2/24/98	1088	RTA00000339R.b.02.1	M00001344B:F12	0
1844	2/24/98	1089	RTA00000406F.j.21.1	M00003906A:H07	17822
1845	2/24/98	1090	RTA00000405F.g.22.1	M00001673C:A02	527
1846	2/24/98	1091	RTA00000356R.h.05.1	M00004107C:C02	35052
1847	2/24/98	1092	RTA00000125A.c.2.1	M00001542A:F06	40148
1848	2/24/98	1093	RTA00000340F.i.15.1	M00001629C:E07	26815
1849	2/24/98	1094	RTA00000405F.h.03.2	M00001673D:F10	20633
1850	2/24/98	1095	RTA00000345F.c.12.1	M00001376A:C05	23824
1851	2/24/98	1096	RTA00000421F.a.06.1	M00001589C:A11	2385
1852	2/24/98	1097	RTA00000412F.o.03.1	M00004033D:D07	65039
1853	2/24/98	1098	RTA00000409F.d.16.1	M00001590C:F10	76090
1854	2/24/98	1099	RTA00000400F.m.16.1	M00001660B:E04	3307
1855	2/24/98	1100	RTA00000414F.a.12.1	M00005210A:E06	0
1856	2/24/98	1101	RTA00000408F.j.17.2	M00001485B:H03	78935
1857	2/24/98	1102	RTA00000126A.j.15.2	M00001549A:H11	40425
1858	2/24/98	1103	RTA00000346F.a.16.1	M00001593A:B07	12082
1859	2/24/98	1104	RTA00000126A.b.10.1	M00001547A:F06	0
1860	2/24/98	1105	RTA00000340F.p.13.1	M00003751C:A04	237
1861	2/24/98	1106	RTA00000410F.b.17.1	M00001633C:H05	77458
1862	2/24/98	1107	RTA00000419F.l.22.1	M00003903D:C06	78444
1863	2/24/98	1108	RTA00000346F.c.16.1	M00001652B:G10	9579
1864	2/24/98	1109	RTA00000422F.f.22.1	M00001584A:G03	38703
1865	2/24/98	1110	RTA00000404F.j.24.1	M00001631D:G05	39067
1866	2/24/98	1111	RTA00000406F.m.20.1	M00003918C:C12	38038
1867	2/24/98	1112	RTA00000418F.c.05.1	M00001487B:F02	76475
1868	2/24/98	1113	RTA00000418F.p.21.1	M00001677D:F03	78068
1869	2/24/98	1114	RTA00000340F.f.22.1	M00001594B:F12	1720
1870	2/24/98	1115	RTA00000340F.i.08.1	M00001615B:F07	12005
1871	2/24/98	1116	RTA00000410F.o.04.1	M00001664D:F04	79018
1872	2/24/98	1117	RTA00000411F.l.16.1	M00003857C:G01	16122
1873	2/24/98	1118	RTA00000411F.j.03.1	M00003841C:F01	66263
1874	2/24/98	1119	RTA00000126A.k.24.1	M00001550A:F07	39428
1875	2/24/98	1120	RTA00000353R.l.23.1	M00001418B:F07	12531
1876	2/24/98	1121	RTA00000120A.m.10.3	M00001467A:B03	81376
1877	2/24/98	1122	RTA00000419F.f.16.1	M00003839D:E02	64679
1878	2/24/98	1123	RTA00000408F.c.23.1	M00001458C:D10	42261
1879	2/24/98	1124	RTA00000123A.h.22.1	M00001532A:C01	17124
1880	2/24/98	1125	RTA00000118A.n.5.1	M00001451A:C10	0
1881	2/24/98	1126	RTA00000136A.h.6.1	M00001550A:D09	81620

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1882	2/24/98	1127	RTA00000401F.g.22.1	M00003871A:G09	1147
1883	2/24/98	1128	RTA00000423F.a.02.3	M00001656B:A08	39210
1884	2/24/98	1129	RTA00000401F.m.07.1	M00003907D:F11	2893
1885	2/24/98	1130	RTA00000354R.p.01.1	M00004104C:H12	0
1886	2/24/98	1131	RTA00000418F.e.20.1	M00001576C:G05	73741
1887	2/24/98	1132	RTA00000119A.c.12.1	M00001453A:D08	4882
1888	2/24/98	1133	RTA00000405F.l.03.1	M00001692D:B01	38580
1889	2/24/98	1134	RTA00000418F.m.02.1	M00001650A:A12	74550
1890	2/24/98	1135	RTA00000346F.o.16.1	M00004358D:C02	176
1891	2/24/98	1136	RTA00000406F.c.05.1	M00003870A:H01	22077
1892	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
1893	2/24/98	1138	RTA00000411F.k.21.1	M00003854B:D04	65349
1894	2/24/98	1139	RTA00000404F.h.20.1	M00001619B:A09	15564
1895	2/24/98	1140	RTA00000339F.c.05.1	M00001365A:H10	3908
1896	2/24/98	1141	RTA00000347F.f.08.1	M00003972D:H02	5948
1897	2/24/98	1142	RTA00000418F.i.06.1	M00001591B:B06	75151
1898	2/24/98	1143	RTA00000423F.a.03.1	M00001656B:D05	26796
1899	2/24/98	1144	RTA00000345F.j.09.1	M00001451B:F01	13
1900	2/24/98	1145	RTA00000423F.k.21.2	M00003984D:B08	37499
1901	2/24/98	1146	RTA00000347F.h.02.1	M00004072D:H12	562
1902	2/24/98	1147	RTA00000404F.c.18.1	M00001594A:C01	38982
1903	2/24/98	1148	RTA00000345F.d.23.1	M00001390D:E03	5862
1904	2/24/98	1149	RTA00000339F.b.02.1	M00001344B:F12	0
1905	2/24/98	1150	RTA00000411F.g.24.1	M00003825B:B11	65233
1906	2/24/98	1151	RTA00000405F.g.18.2	M00001672D:E08	5255
1907	2/24/98	1152	RTA00000405F.m.07.1	M00003809B:B02	37733
1908	2/24/98	1153	RTA00000411F.j.07.1	M00003841C:H11	66963
1909	2/24/98	1154	RTA00000403F.m.09.2	M00001575B:G01	26814
1910	2/24/98	1155	RTA00000353R.h.04.1	M00001375B:C05	17123
1911	2/24/98	1156	RTA00000408F.f.10.2	M00001476D:C05	75309
1912	2/24/98	1157	RTA00000422F.m.18.1	M00001647B:E04	23829
1913	2/24/98	1158	RTA00000405F.o.03.1	M00003829C:H05	37575
1914	2/24/98	1159	RTA00000413F.b.18.1	M00004078C:F04	39873
1915	2/24/98	1160	RTA00000400F.g.02.1	M00001638B:E03	1508
1916	2/24/98	1161	RTA00000346F.m.05.1	M00003983B:C08	5644
1917	2/24/98	1162	RTA00000408F.c.10.1	M00001458A:A11	18247
1918	2/24/98	1163	RTA00000341F.b.14.1	M00003763A:C01	5992
1919	2/24/98	1164	RTA00000405F.m.21.1	M00003815C:C06	24218
1920	2/24/98	1165	RTA00000408F.c.08.1	M00001456D:G11	73473
1921	2/24/98	1166	RTA00000347F.h.01.1	M00004040A:G12	12043
1922	2/24/98	1167	RTA00000410F.c.06.1	M00001633D:H06	77784
1923	2/24/98	1168	RTA00000421F.b.06.1	M00001567A:B09	2113
1924	2/24/98	1169	RTA00000405F.b.08.1	M00001656B:E01	39182
1925	2/24/98	1170	RTA00000409F.l.24.1	M00001616C:A02	73174
1926	2/24/98	1171	RTA00000406F.j.06.1	M00003905A:F10	38952
1927	2/24/98	1172	RTA00000423F.h.03.1	M00003875D:D09	37903
1928	2/24/98	1173	RTA00000339R.b.07.1	M00001360A:G10	6826
1929	2/24/98	1174	RTA00000121A.k.22.1	M00001507A:C05	79523
1930	2/24/98	1175	RTA00000414F.b.04.1	M00005212B:E01	0
1931	2/24/98	1176	RTA00000411F.m.06.1	M00003858D:G06	24195

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1932	2/24/98	1177	RTA00000126A.b.9.1	M00001547A:F11	81279
1933	2/24/98	1178	RTA00000400F.f.11.1	M00001636A:E07	4088
1934	2/24/98	1179	RTA00000341F.o.12.1	M00004144A:F04	2883
1935	2/24/98	1180	RTA00000404F.l.05.1	M00001636D:F09	38671
1936	2/24/98	1181	RTA00000346F.f.14.1	M00003800B:F03	16998
1937	2/24/98	1182	RTA00000346F.d.21.1	M00001670B:G12	6641
1938	2/24/98	1183	RTA00000346F.j.21.1	M00003879D:A08	3095
1939	2/24/98	1184	RTA00000345F.h.08.1	M00001419D:C10	11393
1940	2/24/98	1185	RTA00000413F.b.20.1	M00004079D:G08	66063
1941	2/24/98	1186	RTA00000419F.p.10.1	M00004036D:B09	41448
1942	2/24/98	1187	RTA00000120A.c.19.1	M00001464A:B03	81016
1943	2/24/98	1188	RTA00000341F.o.18.1	M00004169D:B11	37189
1944	2/24/98	1189	RTA00000339F.o.18.1	M00001469B:B01	6641
1945	2/24/98	1190	RTA00000405F.g.02.2	M00001671B:G05	10567
1946	2/24/98	1191	RTA00000340F.i.05.1	M00001614B:E08	0
1947	2/24/98	1192	RTA00000406F.m.17.1	M00003918A:F09	0
1948	2/24/98	1193	RTA00000411F.k.14.1	M00003851A:C10	63987
1949	2/24/98	1194	RTA00000420F.e.05.1	M00004107D:E12	63908
1950	2/24/98	1195	RTA00000422F.e.23.1	M00001567D:B03	19246
1951	2/24/98	1196	RTA00000413F.l.18.1	M00004895D:G07	0
1952	2/24/98	1197	RTA00000128A.j.10.1	M00001560A:H06	80085
1953	2/24/98	1198	RTA00000412F.f.10.2	M00003959A:A03	65405
1954	2/24/98	1199	RTA00000401F.j.23.1	M00003901C:D03	570
1955	2/24/98	1200	RTA00000422F.k.17.1	M00001652A:A01	38955
1956	2/24/98	1201	RTA00000409F.m.02.1	M00001616C:A11	9157
1957	2/24/98	1202	RTA00000347F.h.10.1	M00004206A:E02	22779
1958	2/24/98	1203	RTA00000413F.e.10.1	M00004092C:B03	31033
1959	2/24/98	1204	RTA00000419F.l.02.1	M00003879A:C01	75736
1960	2/24/98	1205	RTA00000419F.k.05.1	M00003871C:E04	11757
1961	2/24/98	1206	RTA00000418F.b.20.1	M00001484D:G05	73560
1962	2/24/98	1207	RTA00000401F.j.21.1	M00003901B:F10	0
1963	2/24/98	1208	RTA00000347F.e.24.1	M00003823B:F07	8188
1964	2/24/98	1209	RTA00000408F.n.05.2	M00001539A:H02	77883
1965	2/24/98	1210	RTA00000419F.o.09.1	M00003987B:F08	66396
1966	2/24/98	1211	RTA00000399F.f.14.1	M00001487D:C11	11483
1967	2/24/98	1212	RTA00000349R.o.03.1	M00001551D:H07	23006
1968	2/24/98	1213	RTA00000135A.a.23.1	M00001537A:H05	27054
1969	2/24/98	1214	RTA00000339F.j.07.1	M00001428D:B10	5673
1970	2/24/98	1215	RTA00000422F.o.08.2	M00001659D:D03	26832
1971	2/24/98	1216	RTA00000404F.e.07.1	M00001608A:D03	9034
1972	2/24/98	1217	RTA00000410F.j.17.1	M00001642D:F02	72912
1973	2/24/98	1218	RTA00000418F.m.18.1	M00001653B:G10	76479
1974	2/24/98	1219	RTA00000347F.e.20.1	M00003771B:E05	39911
1975	2/24/98	1220	RTA00000419F.e.23.1	M00003834B:G04	65772
1976	2/24/98	1221	RTA00000403F.o.17.1	M00001582D:A02	23085
1977	2/24/98	1222	RTA00000423F.e.13.1	M00003848A:C09	10998
1978	2/24/98	1223	RTA00000347F.a.14.1	M00001429D:F11	7421
1979	2/24/98	1224	RTA00000122A.h.24.1	M00001514A:A12	48
1980	2/24/98	1225	RTA00000346F.j.13.1	M00003841C:E04	5337
1981	2/24/98	1226	RTA00000414F.c.12.1	M00005218A:F09	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
1982	2/24/98	1227	RTA00000411F.g.05.1	M00003822D:B10	64664
1983	2/24/98	1228	RTA00000404F.h.10.1	M00001618A:A03	37148
1984	2/24/98	1229	RTA00000422F.n.14.1	M00001642C:G02	26787
1985	2/24/98	1230	RTA00000399F.j.14.1	M00001578C:F05	16942
1986	2/24/98	1231	RTA00000120A.m.13.3	M00001467A:C10	80608
1987	2/24/98	1232	RTA00000412F.i.03.1	M00003975D:C06	65617
1988	2/24/98	1233	RTA00000418F.l.02.1	M00001641C:C05	39316
1989	2/24/98	1234	RTA00000352R.c.20.1	M00003982A:B12	7339
1990	2/24/98	1235	RTA00000411F.j.04.1	M00003841C:F03	66219
1991	2/24/98	1236	RTA00000414F.b.06.1	M00005212C:C03	0
1992	2/24/98	1237	RTA00000414F.c.24.1	M00005229B:H04	0
1993	2/24/98	1238	RTA00000420F.g.09.1	M00004895B:E12	0
1994	2/24/98	1239	RTA00000340F.o.22.1	M00001673B:B07	7356
1995	2/24/98	1240	RTA00000404F.a.18.1	M00001590B:B02	36267
1996	2/24/98	1241	RTA00000408F.l.14.1	M00001530A:E10	12001
1997	2/24/98	1242	RTA00000405F.d.10.1	M00001661C:F11	39000
1998	2/24/98	1243	RTA00000404F.j.19.1	M00001630D:H10	0
1999	2/24/98	1244	RTA00000418F.h.23.1	M00001591A:B08	75153
2000	2/24/98	1245	RTA00000422F.k.22.1	M00001592C:E05	4098
2001	2/24/98	1246	RTA00000418F.j.11.1	M00001626C:E04	73853
2002	2/24/98	1247	RTA00000408F.o.13.1	M00001572A:B05	74895
2003	2/24/98	1248	RTA00000419F.o.07.1	M00003986C:E09	14059
2004	2/24/98	1249	RTA00000419F.n.17.1	M00003978D:G04	63186
2005	2/24/98	1250	RTA00000403F.f.15.1	M00001477D:F10	22768
2006	2/24/98	1251	RTA00000408F.d.03.1	M00001458D:A02	22768
2007	2/24/98	1252	RTA00000400F.g.08.1	M00001639A:C11	1275
2008	2/24/98	1253	RTA00000346F.f.02.1	M00003772C:B12	62757
2009	2/24/98	1254	RTA00000341F.p.11.1	M00004159C:G12	0
2010	2/24/98	1255	RTA00000413F.i.21.1	M00004118B:B04	14066
2011	2/24/98	1256	RTA00000401F.k.19.1	M00003903D:D10	799
2012	2/24/98	1257	RTA00000419F.h.21.1	M00003856C:B08	64828
2013	2/24/98	1258	RTA00000403F.p.05.2	M00001583D:B08	24528
2014	2/24/98	1259	RTA00000420F.l.19.2	M00005231A:H04	0
2015	2/24/98	1260	RTA00000422F.f.18.1	M00001583D:B08	24528
2016	2/24/98	1261	RTA00000404F.m.17.2	M00001643B:E05	0
2017	2/24/98	1262	RTA00000122A.h.4.1	M00001514A:G03	33576
2018	2/24/98	1263	RTA00000341F.i.22.1	M00003911A:F10	7825
2019	2/24/98	1264	RTA00000345F.e.13.1	M00001392C:D05	4366
2020	2/24/98	1265	RTA00000340F.d.07.1	M00001532D:A06	0
2021	2/24/98	1266	RTA00000121A.a.2.1	M00001468A:H10	81843
2022	3/24/98	1	RTA00000527F.g.13.1	M00003845D:A04	36035
2023	3/24/98	2	RTA00000523F.d.19.1	M00003824A:A06	26489
2024	3/24/98	3	RTA00000528F.b.23.1	M00001479C:F10	1605
2025	3/24/98	4	RTA00000426F.h.11.1	M00003905B:H05	75479
2026	3/24/98	5	RTA00000426F.p.04.1	M00004029B:H08	34149
2027	3/24/98	6	RTA00000523F.l.10.1	M00005134B:E01	0
2028	3/24/98	7	RTA00000523F.o.20.1	M00005177B:H02	0
2029	3/24/98	8	RTA00000428F.b.06.1	M00005228A:A09	0
2030	3/24/98	9	RTA00000522F.b.22.1	M00001573B:H12	75181
2031	3/24/98	10	RTA00000527F.f.12.1	M00003829D:D12	5945

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2032	3/24/98	11	RTA00000427F.l.11.1	M00005139A:F01	0
2033	3/24/98	12	RTA00000522F.a.23.1	M00001570C:A05	38613
2034	3/24/98	13	RTA00000528F.m.16.1	M00003845D:C03	4468
2035	3/24/98	14	RTA00000523F.b.02.1	M00003806C:A06	65163
2036	3/24/98	15	RTA00000425F.j.14.1	M00001639D:C12	73397
2037	3/24/98	16	RTA00000426F.m.22.1	M00003983A:G02	30002
2038	3/24/98	17	RTA00000527F.p.06.1	M00004029B:G10	1292
2039	3/24/98	18	RTA00000522F.e.16.1	M00001590A:C08	75283
2040	3/24/98	19	RTA00000527F.j.02.2	M00003856A:B07	4896
2041	3/24/98	20	RTA00000522F.o.06.1	M00001659D:A09	26860
2042	3/24/98	21	RTA00000523F.h.17.1	M00003852A:B03	65586
2043	3/24/98	22	RTA00000527F.k.15.1	M00003982A:G03	22688
2044	3/24/98	23	RTA00000522F.p.07.1	M00001670A:C11	76888
2045	3/24/98	24	RTA00000522F.n.08.1	M00001656A:D10	76343
2046	3/24/98	25	RTA00000425F.c.06.1	M00001585D:D11	78041
2047	3/24/98	26	RTA00000427F.b.23.1	M00003973D:F08	64297
2048	3/24/98	27	RTA00000527F.p.02.1	M00004029B:A01	36844
2049	3/24/98	28	RTA00000427F.d.08.1	M00003980C:E12	63967
2050	3/24/98	29	RTA00000524F.b.03.1	M00005212A:D10	0
2051	3/24/98	30	RTA00000426F.m.07.1	M00004028A:G03	63504
2052	3/24/98	31	RTA00000427F.c.10.1	M00003976B:E06	65478
2053	3/24/98	32	RTA00000424F.n.14.1	M00001584D:C11	73008
2054	3/24/98	33	RTA00000524F.b.21.1	M00005216C:B09	0
2055	3/24/98	34	RTA00000424F.m.15.1	M00001612D:F06	73759
2056	3/24/98	35	RTA00000426F.f.11.1	M00003823C:B01	63102
2057	3/24/98	36	RTA00000428F.a.16.1	M00005212D:F08	0
2058	3/24/98	37	RTA00000426F.f.20.1	M00003854C:F01	65134
2059	3/24/98	38	RTA00000528F.i.22.1	M00001661D:D05	2478
2060	3/24/98	39	RTA00000527F.a.23.1	M00003822C:A07	37745
2061	3/24/98	40	RTA00000426F.h.23.1	M00003911A:D12	75964
2062	3/24/98	41	RTA00000525F.b.17.1	M00004037B:A04	24715
2063	3/24/98	42	RTA00000527F.i.19.2	M00003853C:C06	38089
2064	3/24/98	43	RTA00000527F.p.07.1	M00004029C:B03	23343
2065	3/24/98	44	RTA00000527F.p.17.1	M00004030C:D12	17223
2066	3/24/98	45	RTA00000528F.m.12.1	M00003842D:F08	5768
2067	3/24/98	46	RTA00000523F.c.09.1	M00003813C:D08	47389
2068	3/24/98	47	RTA00000523F.e.18.1	M00003829D:A11	62898
2069	3/24/98	48	RTA00000527F.k.21.1	M00003982B:H10	36051
2070	3/24/98	49	RTA00000527F.n.22.1	M00004027A:A08	24175
2071	3/24/98	50	RTA00000522F.k.15.1	M00001652D:G06	76866
2072	3/24/98	51	RTA00000522F.n.02.1	M00001655D:E08	74959
2073	3/24/98	52	RTA00000523F.l.07.1	M00004927C:H11	0
2074	3/24/98	53	RTA00000525F.c.17.1	M00004040A:C08	38160
2075	3/24/98	54	RTA00000425F.f.19.1	M00001653D:G07	32635
2076	3/24/98	55	RTA00000528F.e.23.1	M00001593B:D10	19242
2077	3/24/98	56	RTA00000522F.n.16.1	M00001657D:A10	26769
2078	3/24/98	57	RTA00000427F.c.20.1	M00003978A:E01	26527
2079	3/24/98	58	RTA00000527F.k.06.1	M00003981B:B12	12469
2080	3/24/98	59	RTA00000427F.n.14.1	M00004960B:D12	0
2081	3/24/98	60	RTA00000523F.i.06.1	M00003855A:A01	66341

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2082	3/24/98	61	RTA00000427F.f.21.1	M00004118B:C11	36853
2083	3/24/98	62	RTA00000427F.j.19.1	M00004077A:G12	41395
2084	3/24/98	63	RTA00000522F.b.01.1	M00001570C:B02	75691
2085	3/24/98	64	RTA00000424F.i.24.1	M00001596A:G06	79101
2086	3/24/98	65	RTA00000523F.c.01.1	M00003810A:A02	65710
2087	3/24/98	66	RTA00000427F.b.15.1	M00003971C:F09	66891
2088	3/24/98	67	RTA00000527F.e.03.1	M00003825D:F01	25560
2089	3/24/98	68	RTA00000523F.n.04.1	M00005138B:D12	0
2090	3/24/98	69	RTA00000522F.j.15.2	M00001651C:G12	76535
2091	3/24/98	70	RTA00000525F.e.07.1	M00004115C:G03	38147
2092	3/24/98	71	RTA00000527F.j.20.2	M00003860D:E06	37603
2093	3/24/98	72	RTA00000426F.f.19.1	M00003854C:C09	66701
2094	3/24/98	73	RTA00000524F.b.12.1	M00005213C:G01	0
2095	3/24/98	74	RTA00000527F.d.19.1	M00003825B:F10	486
2096	3/24/98	75	RTA00000523F.i.22.1	M00003857A:E12	64688
2097	3/24/98	76	RTA00000523F.l.18.1	M00005134D:A06	0
2098	3/24/98	77	RTA00000425F.i.17.1	M00001633A:F11	43213
2099	3/24/98	78	RTA00000427F.o.05.1	M00004958B:D01	0
2100	3/24/98	79	RTA00000523F.l.15.1	M00005134C:E11	0
2101	3/24/98	80	RTA00000425F.p.12.1	M00001638C:G01	73219
2102	3/24/98	81	RTA00000427F.j.07.1	M00004105A:B10	64819
2103	3/24/98	82	RTA00000523F.h.15.1	M00003851C:F09	65137
2104	3/24/98	83	RTA00000527F.i.05.2	M00003851C:B06	37481
2105	3/24/98	84	RTA00000527F.k.18.1	M00003982B:C10	11332
2106	3/24/98	85	RTA00000427F.m.21.1	M00004900C:E11	0
2107	3/24/98	86	RTA00000523F.k.01.1	M00003966C:F03	41437
2108	3/24/98	87	RTA00000425F.j.11.1	M00001637C:H12	76667
2109	3/24/98	88	RTA00000424F.b.22.4	M00001530A:F11	72971
2110	3/24/98	89	RTA00000527F.a.02.1	M00003986C:G11	24190
2111	3/24/98	90	RTA00000525F.a.03.1	M00004031D:F05	36786
2112	3/24/98	91	RTA00000527F.i.21.2	M00003855A:F01	37490
2113	3/24/98	92	RTA00000424F.a.24.4	M00001448D:E11	73951
2114	3/24/98	93	RTA00000522F.k.14.1	M00001652D:G02	74280
2115	3/24/98	94	RTA00000522F.n.05.1	M00001655D:H11	73260
2116	3/24/98	95	RTA00000523F.c.18.1	M00003817C:A10	66179
2117	3/24/98	96	RTA00000523F.b.13.1	M00003809B:A03	66330
2118	3/24/98	97	RTA00000522F.j.14.2	M00001651C:D11	73123
2119	3/24/98	98	RTA00000527F.p.16.1	M00004030C:C02	23798
2120	3/24/98	99	RTA00000425F.c.20.1	M00001626D:A02	73581
2121	3/24/98	100	RTA00000424F.i.21.1	M00001596A:E07	73482
2122	3/24/98	101	RTA00000523F.j.19.1	M00003966B:D02	65910
2123	3/24/98	102	RTA00000522F.g.19.1	M00001595C:A01	78119
2124	3/24/98	103	RTA00000424F.b.22.1	M00001530A:F11	72971
2125	3/24/98	104	RTA00000527F.b.18.1	M00003810D:H09	37469
2126	3/24/98	105	RTA00000526F.d.01.1	M00004104B:A02	4468
2127	3/24/98	106	RTA00000424F.j.14.1	M00001592B:B02	74311
2128	3/24/98	107	RTA00000523F.n.20.1	M00005174D:H02	0
2129	3/24/98	108	RTA00000525F.e.16.1	M00004117B:G01	36837
2130	3/24/98	109	RTA00000424F.a.01.4	M00001575A:D05	43214
2131	3/24/98	110	RTA00000522F.d.08.1	M00001578B:A06	74284

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2132	3/24/98	111	RTA00000425F.d.08.1	M00001631A:F06	74350
2133	3/24/98	112	RTA00000523F.n.12.1	M00005173C:A02	0
2134	3/24/98	113	RTA00000527F.g.07.1	M00003840C:C02	37488
2135	3/24/98	114	RTA00000524F.a.23.1	M00005211C:E09	0
2136	3/24/98	115	RTA00000525F.b.05.1	M00004034C:F05	21116
2137	3/24/98	116	RTA00000425F.n.05.1	M00001647D:G07	73965
2138	3/24/98	117	RTA00000523F.d.18.1	M00003822B:G01	64072
2139	3/24/98	118	RTA00000525F.a.02.1	M00004031C:H10	37454
2140	3/24/98	119	RTA00000523F.p.06.1	M00005177D:F09	0
2141	3/24/98	120	RTA00000426F.h.09.1	M00003905B:G03	78797
2142	3/24/98	121	RTA00000427F.n.02.1	M00004900D:B10	0
2143	3/24/98	122	RTA00000523F.o.12.1	M00005177A:B06	0
2144	3/24/98	123	RTA00000427F.g.05.1	M00004069C:C08	63138
2145	3/24/98	124	RTA00000424F.m.12.1	M00001586C:H07	77675
2146	3/24/98	125	RTA00000424F.a.01.1	M00001575A:D05	43214
2147	3/24/98	126	RTA00000527F.m.05.1	M00003985A:C01	17240
2148	3/24/98	127	RTA00000523F.n.10.1	M00005140D:G09	0
2149	3/24/98	128	RTA00000428F.c.02.1	M00005229D:H07	0
2150	3/24/98	129	RTA00000527F.p.18.1	M00004030D:B06	31635
2151	3/24/98	130	RTA00000427F.h.12.1	M00004092C:D08	36894
2152	3/24/98	131	RTA00000523F.c.15.1	M00003813D:G06	36935
2153	3/24/98	132	RTA00000427F.k.17.1	M00004101A:F07	64965
2154	3/24/98	133	RTA00000425F.f.04.1	M00001607A:B06	24633
2155	3/24/98	134	RTA00000424F.c.14.3	M00001476D:A09	76614
2156	3/24/98	135	RTA00000522F.k.10.2	M00001652D:B09	77619
2157	3/24/98	136	RTA00000424F.m.22.1	M00001614C:E11	72943
2158	3/24/98	137	RTA00000527F.h.17.1	M00003848D:G02	37799
2159	3/24/98	138	RTA00000527F.c.22.1	M00003822B:G12	37496
2160	3/24/98	139	RTA00000425F.k.22.1	M00001633C:E12	78123
2161	3/24/98	140	RTA00000424F.m.14.1	M00001612D:D12	77491
2162	3/24/98	141	RTA00000522F.k.19.1	M00001653A:A05	32625
2163	3/24/98	142	RTA00000523F.i.18.1	M00003856B:C04	64463
2164	3/24/98	143	RTA00000425F.j.22.1	M00001633B:E03	73882
2165	3/24/98	144	RTA00000527F.g.23.1	M00003846C:F08	37538
2166	3/24/98	145	RTA00000426F.m.24.1	M00003981A:A07	63943
2167	3/24/98	146	RTA00000527F.i.17.2	M00003853B:C08	37539
2168	3/24/98	147	RTA00000425F.d.21.1	M00001631B:H04	78920
2169	3/24/98	148	RTA00000427F.n.18.1	M00004891D:C11	0
2170	3/24/98	149	RTA00000424F.d.04.3	M00001478A:F12	76505
2171	3/24/98	150	RTA00000424F.d.04.1	M00001478A:F12	76505
2172	3/24/98	151	RTA00000427F.c.12.1	M00003976B:H07	66995
2173	3/24/98	152	RTA00000425F.d.07.1	M00001631A:F12	43197
2174	3/24/98	153	RTA00000527F.l.13.1	M00003983C:F10	36904
2175	3/24/98	154	RTA00000522F.h.13.1	M00001596C:F09	40823
2176	3/24/98	155	RTA00000424F.l.19.1	M00001609C:A12	75454
2177	3/24/98	156	RTA00000525F.b.22.1	M00004037C:D07	16679
2178	3/24/98	157	RTA00000523F.g.10.1	M00003848B:E07	40694
2179	3/24/98	158	RTA00000427F.a.06.1	M00004036A:A11	66550
2180	3/24/98	159	RTA00000525F.c.19.1	M00004040B:F07	38159
2181	3/24/98	160	RTA00000523F.f.06.1	M00003833D:H08	62871

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2182	3/24/98	161	RTA00000424F.h.10.1	M00001485C:G06	72925
2183	3/24/98	162	RTA00000522F.a.12.1	M00001567A:H05	33515
2184	3/24/98	163	RTA00000522F.h.01.1	M00001595C:E05	75010
2185	3/24/98	164	RTA00000523F.n.17.1	M00005174D:B02	0
2186	3/24/98	165	RTA00000425F.e.21.1	M00001629D:D10	77203
2187	3/24/98	166	RTA00000523F.f.07.1	M00003833D:H10	62799
2188	3/24/98	167	RTA00000424F.i.20.1	M00001596A:D01	44010
2189	3/24/98	168	RTA00000424F.j.12.1	M00001594C:E05	73827
2190	3/24/98	169	RTA00000425F.f.05.1	M00001607A:D10	24090
2191	3/24/98	170	RTA00000523F.d.12.1	M00003822B:D08	64888
2192	3/24/98	171	RTA00000523F.e.10.1	M00003829A:F03	62878
2193	3/24/98	172	RTA00000425F.f.11.1	M00001656C:C04	79275
2194	3/24/98	173	RTA00000426F.m.18.1	M00003986D:G07	62974
2195	3/24/98	174	RTA00000424F.b.21.4	M00001530A:B02	24686
2196	3/24/98	175	RTA00000528F.d.18.1	M00001582C:E01	2684
2197	3/24/98	176	RTA00000522F.g.15.1	M00001595B:G07	76536
2198	3/24/98	177	RTA00000522F.n.12.1	M00001656A:H12	74117
2199	3/24/98	178	RTA00000428F.a.12.1	M00005179B:H02	0
2200	3/24/98	179	RTA00000424F.d.10.3	M00001530D:A11	73110
2201	3/24/98	180	RTA00000523F.k.02.1	M00004687A:C03	0
2202	3/24/98	181	RTA00000523F.b.06.1	M00003808A:F09	28736
2203	3/24/98	182	RTA00000524F.b.17.1	M00005214B:A06	0
2204	3/24/98	183	RTA00000527F.c.04.1	M00003813C:H08	23090
2205	3/24/98	184	RTA00000524F.b.18.1	M00005214B:D11	0
2206	3/24/98	185	RTA00000527F.h.21.1	M00003850C:G09	37630
2207	3/24/98	186	RTA00000425F.c.07.1	M00001585D:F03	76042
2208	3/24/98	187	RTA00000428F.b.23.1	M00005231D:H10	0
2209	3/24/98	188	RTA00000525F.c.15.1	M00004040A:A07	7692
2210	3/24/98	189	RTA00000424F.d.22.3	M00001448B:G07	76189
2211	3/24/98	190	RTA00000523F.h.12.1	M00003851C:D07	65745
2212	3/24/98	191	RTA00000522F.g.22.1	M00001595C:B12	77504
2213	3/24/98	192	RTA00000523F.m.02.1	M00005134D:H03	0
2214	3/24/98	193	RTA00000428F.b.12.1	M00005231C:B07	0
2215	3/24/98	194	RTA00000522F.j.12.2	M00001651C:A04	74341
2216	3/24/98	195	RTA00000523F.i.08.1	M00003855A:C12	65099
2217	3/24/98	196	RTA00000523F.f.12.1	M00003840A:C10	63751
2218	3/24/98	197	RTA00000425F.j.20.1	M00001633B:A12	26760
2219	3/24/98	198	RTA00000523F.o.05.1	M00005175B:H04	0
2220	3/24/98	199	RTA00000427F.f.24.1	M00004076D:B09	64572
2221	3/24/98	200	RTA00000527F.a.13.1	M00003805D:E06	37740
2222	3/24/98	201	RTA00000427F.n.17.1	M00004891D:A07	0
2223	3/24/98	202	RTA00000528F.j.11.1	M00001669B:C12	1070
2224	3/24/98	203	RTA00000427F.p.10.2	M00005102C:F09	0
2225	3/24/98	204	RTA00000424F.a.09.4	M00001575C:C11	77833
2226	3/24/98	205	RTA00000426F.h.12.1	M00003905C:F12	78093
2227	3/24/98	206	RTA00000525F.f.07.1	M00004119A:A06	37500
2228	3/24/98	207	RTA00000424F.j.07.1	M00001596B:C11	79211
2229	3/24/98	208	RTA00000424F.m.10.1	M00001586C:E06	34251
2230	3/24/98	209	RTA00000427F.g.16.1	M00004069A:E12	63011
2231	3/24/98	210	RTA00000522F.g.06.1	M00001594D:G11	78221

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2232	3/24/98	211	RTA00000424F.h.03.1	M00001487C:G09	74447
2233	3/24/98	212	RTA00000424F.n.06.1	M00001613A:D02	74737
2234	3/24/98	213	RTA00000427F.c.22.1	M00003978A:E09	63990
2235	3/24/98	214	RTA00000424F.k.12.1	M00001610C:B07	77666
2236	3/24/98	215	RTA00000425F.f.02.1	M00001607A:A01	76982
2237	3/24/98	216	RTA00000427F.h.11.1	M00004092C:B12	26494
2238	3/24/98	217	RTA00000425F.j.16.1	M00001639D:F02	75631
2239	3/24/98	218	RTA00000427F.i.19.1	M00004102C:D01	64206
2240	3/24/98	219	RTA00000427F.f.17.1	M00004115A:B12	63803
2241	3/24/98	220	RTA00000522F.o.18.1	M00001669B:H06	76366
2242	3/24/98	221	RTA00000427F.j.22.1	M00004097D:B05	66367
2243	3/24/98	222	RTA00000426F.p.10.1	M00004033D:C05	65845
2244	3/24/98	223	RTA00000522F.m.02.1	M00001654C:G07	76834
2245	3/24/98	224	RTA00000527F.k.09.1	M00003981C:F05	213
2246	3/24/98	225	RTA00000527F.d.09.1	M00003824A:G11	10848
2247	3/24/98	226	RTA00000425F.e.15.1	M00001608D:F11	75921
2248	3/24/98	227	RTA00000427F.i.11.1	M00004097C:H08	26635
2249	3/24/98	228	RTA00000523F.o.14.1	M00005177A:H09	0
2250	3/24/98	229	RTA00000424F.n.13.1	M00001584D:B06	74942
2251	3/24/98	230	RTA00000424F.g.14.1	M00001572A:B06	74879
2252	3/24/98	231	RTA00000426F.e.17.1	M00003810C:B06	64089
2253	3/24/98	232	RTA00000527F.i.13.2	M00003852B:G04	2924
2254	3/24/98	233	RTA00000426F.f.13.1	M00003851A:A06	65384
2255	3/24/98	234	RTA00000524F.c.16.1	M00005218D:G10	0
2256	3/24/98	235	RTA00000427F.g.19.1	M00004087A:B05	64611
2257	3/24/98	236	RTA00000527F.o.01.1	M00004027A:D06	19088
2258	3/24/98	237	RTA00000522F.c.01.1	M00001576A:C11	74938
2259	3/24/98	238	RTA00000522F.g.17.1	M00001595B:G10	76486
2260	3/24/98	239	RTA00000523F.j.17.1	M00003965B:A04	63611
2261	3/24/98	240	RTA00000522F.n.14.1	M00001657C:C11	73410
2262	3/24/98	241	RTA00000527F.o.12.1	M00004028B:G08	688
2263	3/24/98	242	RTA00000523F.e.20.1	M00003829D:F03	65164
2264	3/24/98	243	RTA00000424F.c.15.3	M00001476D:F12	73533
2265	3/24/98	244	RTA00000426F.p.09.1	M00004033D:B07	66665
2266	3/24/98	245	RTA00000522F.p.09.1	M00001670A:F09	75204
2267	3/24/98	246	RTA00000426F.m.21.1	M00003983A:F06	64915
2268	3/24/98	247	RTA00000425F.j.21.1	M00001633B:B11	77373
2269	3/24/98	248	RTA00000527F.l.14.1	M00003983D:A09	14935
2270	3/24/98	249	RTA00000523F.h.21.1	M00003853B:C10	41440
2271	3/24/98	250	RTA00000427F.h.24.1	M00004091B:H09	65193
2272	3/24/98	251	RTA00000425F.f.24.1	M00001656D:C04	40841
2273	3/24/98	252	RTA00000425F.m.03.1	M00001642D:G08	76045
2274	3/24/98	253	RTA00000426F.m.08.1	M00004030B:A12	63781
2275	3/24/98	254	RTA00000523F.d.24.1	M00003824D:D08	64799
2276	3/24/98	255	RTA00000523F.c.14.1	M00003813D:C02	66015
2277	3/24/98	256	RTA00000523F.b.20.1	M00003809C:H07	66492
2278	3/24/98	257	RTA00000522F.h.07.1	M00001595D:C11	75149
2279	3/24/98	258	RTA00000527F.g.10.1	M00003845A:E12	37820
2280	3/24/98	259	RTA00000528F.m.04.1	M00003830D:H11	10815
2281	3/24/98	260	RTA00000524F.b.02.1	M00005212A:A02	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2282	3/24/98	261	RTA00000427F.i.22.1	M00004104D:B05	63199
2283	3/24/98	262	RTA00000424F.k.03.1	M00001590D:B04	21289
2284	3/24/98	263	RTA00000527F.n.07.1	M00003986D:H12	15939
2285	3/24/98	264	RTA00000425F.e.09.1	M00001608C:G04	75550
2286	3/24/98	265	RTA00000427F.h.02.1	M00004085B:G01	63652
2287	3/24/98	266	RTA00000426F.f.16.1	M00003813B:F02	65613
2288	3/24/98	267	RTA00000425F.i.21.1	M00001635B:B02	75305
2289	3/24/98	268	RTA00000427F.k.19.1	M00004103B:B07	62851
2290	3/24/98	269	RTA00000427F.p.02.2	M00005100B:D02	0
2291	3/24/98	270	RTA00000426F.g.16.1	M00003814B:C01	41446
2292	3/24/98	271	RTA00000527F.l.05.1	M00003983A:D02	13016
2293	3/24/98	272	RTA00000426F.m.02.1	M00004034C:C06	66237
2294	3/24/98	273	RTA00000424F.a.02.4	M00001575A:D06	78806
2295	3/24/98	274	RTA00000523F.h.06.1	M00003851B:D03	28745
2296	3/24/98	275	RTA00000522F.l.22.1	M00001654C:D10	75801
2297	3/24/98	276	RTA00000427F.h.19.1	M00004092D:B11	63047
2298	3/24/98	277	RTA00000427F.e.08.1	M00003974D:E01	47387
2299	3/24/98	278	RTA00000522F.g.21.1	M00001595C:A09	77310
2300	3/24/98	279	RTA00000528F.b.03.1	M00001455A:D10	2078
2301	3/24/98	280	RTA00000522F.g.20.1	M00001595C:A05	77688
2302	3/24/98	281	RTA00000527F.k.20.1	M00003982B:H07	17148
2303	3/24/98	282	RTA00000427F.h.22.1	M00004108C:E01	64547
2304	3/24/98	283	RTA00000425F.k.20.1	M00001633C:A08	74048
2305	3/24/98	284	RTA00000524F.b.19.1	M00005216B:D02	0
2306	3/24/98	285	RTA00000522F.b.07.1	M00001570D:E05	78634
2307	3/24/98	286	RTA00000426F.g.19.1	M00003858B:G02	63672
2308	3/24/98	287	RTA00000525F.d.19.1	M00004114B:D09	36860
2309	3/24/98	288	RTA00000427F.l.04.1	M00005136D:C01	0
2310	3/24/98	289	RTA00000427F.d.10.1	M00003978C:A12	40645
2311	3/24/98	290	RTA00000427F.l.03.1	M00005136D:B07	0
2312	3/24/98	291	RTA00000523F.o.23.1	M00005177C:G04	0
2313	3/24/98	292	RTA00000424F.a.05.4	M00001575B:C01	77976
2314	3/24/98	293	RTA00000525F.c.02.1	M00004038A:E05	14618
2315	3/24/98	294	RTA00000424F.a.05.1	M00001575B:C01	77976
2316	3/24/98	295	RTA00000522F.l.15.1	M00001654B:A01	74691
2317	3/24/98	296	RTA00000425F.e.02.1	M00001625C:F10	76143
2318	3/24/98	297	RTA00000525F.c.11.1	M00004039C:E02	37895
2319	3/24/98	298	RTA00000527F.e.08.1	M00003826B:B04	19015
2320	3/24/98	299	RTA00000522F.c.14.1	M00001577A:A03	75449
2321	3/24/98	300	RTA00000424F.m.08.1	M00001584A:A07	19402
2322	3/24/98	301	RTA00000527F.f.18.1	M00003830D:B11	37577
2323	3/24/98	302	RTA00000427F.p.04.2	M00005100B:H07	0
2324	3/24/98	303	RTA00000522F.a.06.1	M00001567A:C11	73662
2325	3/24/98	304	RTA00000525F.d.13.1	M00004110C:E03	349
2326	3/24/98	305	RTA00000523F.n.16.1	M00005173D:H02	0
2327	3/24/98	306	RTA00000522F.d.23.1	M00001579D:F02	73868
2328	3/24/98	307	RTA00000427F.p.03.2	M00005100B:G11	0
2329	3/24/98	308	RTA00000424F.k.23.1	M00001614A:B10	31061
2330	3/24/98	309	RTA00000523F.j.10.1	M00003860B:G09	63384
2331	3/24/98	310	RTA00000527F.p.08.1	M00004029C:F02	36013

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2332	3/24/98	311	RTA00000428F.b.02.1	M00005214D:D10	0
2333	3/24/98	312	RTA00000426F.f.17.1	M00003811C:C02	66334
2334	3/24/98	313	RTA00000523F.j.21.1	M00003966C:A12	36925
2335	3/24/98	314	RTA00000522F.e.09.1	M00001589D:A01	32599
2336	3/24/98	315	RTA00000427F.n.19.1	M00004891D:E07	0
2337	3/24/98	316	RTA00000523F.h.16.1	M00003851D:H11	66031
2338	3/24/98	317	RTA00000428F.a.01.1	M00004897D:G05	0
2339	3/24/98	318	RTA00000523F.a.01.1	M00001671C:F11	74923
2340	3/24/98	319	RTA00000523F.p.15.1	M00005178B:H01	0
2341	3/24/98	320	RTA00000427F.j.06.1	M00004102D:B05	63676
2342	3/24/98	321	RTA00000424F.m.04.1	M00001609C:G05	79017
2343	3/24/98	322	RTA00000523F.i.17.1	M00003856B:A12	65779
2344	3/24/98	323	RTA00000524F.c.12.1	M00005218B:D09	0
2345	3/24/98	324	RTA00000523F.o.09.1	M00005176A:C12	0
2346	3/24/98	325	RTA00000525F.c.18.1	M00004040B:C05	24208
2347	3/24/98	326	RTA00000527F.e.09.1	M00003826B:E11	37521
2348	3/24/98	327	RTA00000424F.j.08.1	M00001596B:D09	73972
2349	3/24/98	328	RTA00000523F.n.01.1	M00005137A:E01	0
2350	3/24/98	329	RTA00000527F.c.09.1	M00003817C:G06	64859
2351	3/24/98	330	RTA00000523F.d.23.1	M00003824C:A10	63633
2352	3/24/98	331	RTA00000528F.k.10.1	M00001678C:F09	1981
2353	3/24/98	332	RTA00000523F.c.03.1	M00003810B:B11	36913
2354	3/24/98	333	RTA00000427F.k.21.1	M00004090D:F12	62880
2355	3/24/98	334	RTA00000427F.n.11.1	M00004960B:A09	0
2356	3/24/98	335	RTA00000427F.d.09.1	M00003980C:F12	66486
2357	3/24/98	336	RTA00000426F.n.17.1	M00004039D:B10	66572
2358	3/24/98	337	RTA00000525F.e.08.1	M00004115C:H04	24193
2359	3/24/98	338	RTA00000523F.e.15.1	M00003829C:E08	7919
2360	3/24/98	339	RTA00000426F.m.03.1	M00004034C:E08	66480
2361	3/24/98	340	RTA00000424F.h.06.1	M00001485C:D07	77552
2362	3/24/98	341	RTA00000425F.d.06.1	M00001631A:D03	77660
2363	3/24/98	342	RTA00000427F.e.12.1	M00003959C:G06	62813
2364	3/24/98	343	RTA00000527F.c.11.1	M00003817D:D12	37484
2365	3/24/98	344	RTA00000425F.p.15.1	M00001638C:H07	31680
2366	3/24/98	345	RTA00000426F.n.23.1	M00004030C:A08	18176
2367	3/24/98	346	RTA00000522F.m.19.1	M00001655C:C07	41544
2368	3/24/98	347	RTA00000522F.a.05.1	M00001567A:C04	32611
2369	3/24/98	348	RTA00000427F.i.09.1	M00004097C:E03	65916
2370	3/24/98	349	RTA00000424F.j.09.1	M00001596B:H05	74387
2371	3/24/98	350	RTA00000424F.n.11.1	M00001582C:C04	73874
2372	3/24/98	351	RTA00000523F.l.03.1	M00004927A:A02	0
2373	3/24/98	352	RTA00000527F.e.13.1	M00003826C:F05	37588
2374	3/24/98	353	RTA00000428F.a.18.1	M00005214C:A09	0
2375	3/24/98	354	RTA00000425F.j.19.1	M00001639D:G06	77925
2376	3/24/98	355	RTA00000522F.g.12.1	M00001595A:E07	78783
2377	3/24/98	356	RTA00000523F.a.07.1	M00001693A:H06	75804
2378	3/24/98	357	RTA00000425F.e.19.1	M00001629D:B10	73409
2379	3/24/98	358	RTA00000425F.n.19.1	M00001638B:C08	78324
2380	3/24/98	359	RTA00000523F.d.21.1	M00003824B:C09	33424
2381	3/24/98	360	RTA00000523F.j.03.1	M00003860A:A08	64535

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2382	3/24/98	361	RTA00000523F.p.08.1	M00005178A:A07	0
2383	3/24/98	362	RTA00000523F.p.09.1	M00005178A:A08	0
2384	3/24/98	363	RTA00000427F.k.07.1	M00004099A:F11	63742
2385	3/24/98	364	RTA00000523F.m.07.1	M00005136A:D10	0
2386	3/24/98	365	RTA00000527F.k.16.1	M00003982B:B06	1015
2387	3/24/98	366	RTA00000522F.a.17.1	M00001567C:B08	79032
2388	3/24/98	367	RTA00000527F.l.19.1	M00003983D:E08	36856
2389	3/24/98	368	RTA00000424F.i.11.1	M00001485D:A05	41569
2390	3/24/98	369	RTA00000524F.c.08.1	M00005217C:C01	0
2391	3/24/98	370	RTA00000424F.d.19.3	M00001448B:A07	73180
2392	3/24/98	371	RTA00000522F.j.09.2	M00001650D:F11	78522
2393	3/24/98	372	RTA00000424F.m.24.1	M00001614C:G07	77045
2394	3/24/98	373	RTA00000522F.j.19.2	M00001652B:D06	76224
2395	3/24/98	374	RTA00000528F.f.10.1	M00001596C:G05	3600
2396	3/24/98	375	RTA00000427F.p.19.2	M00004895C:G05	0
2397	3/24/98	376	RTA00000525F.b.21.1	M00004037C:D04	9486
2398	3/24/98	377	RTA00000527F.j.12.2	M00003857C:E05	37503
2399	3/24/98	378	RTA00000522F.g.11.1	M00001595A:D12	75432
2400	3/24/98	379	RTA00000522F.k.02.2	M00001652C:B09	77622
2401	3/24/98	380	RTA00000427F.e.13.1	M00003959D:A04	66080
2402	3/24/98	381	RTA00000426F.f.18.1	M00003854C:C02	63271
2403	3/24/98	382	RTA00000427F.a.12.1	M00003982C:H10	63377
2404	3/24/98	383	RTA00000424F.b.23.4	M00001530A:H05	77322
2405	3/24/98	384	RTA00000527F.p.03.1	M00004029B:A06	5940
2406	3/24/98	385	RTA00000426F.f.12.1	M00003823C:C04	19096
2407	3/24/98	386	RTA00000523F.l.16.1	M00005134C:G04	0
2408	3/24/98	387	RTA00000427F.f.02.1	M00004118D:A11	36822
2409	3/24/98	388	RTA00000526F.d.17.1	M00004235A:A12	2757
2410	3/24/98	389	RTA00000424F.l.15.1	M00001596A:A02	78043
2411	3/24/98	390	RTA00000524F.a.11.1	M00005210D:C09	0
2412	3/24/98	391	RTA00000522F.m.03.1	M00001654C:G09	79194
2413	3/24/98	392	RTA00000522F.a.20.1	M00001567C:E07	74070
2414	3/24/98	393	RTA00000424F.b.15.4	M00001539B:B10	74958
2415	3/24/98	394	RTA00000527F.g.14.1	M00003845D:B02	37532
2416	3/24/98	395	RTA00000522F.d.06.1	M00001578B:A02	74809
2417	3/24/98	396	RTA00000528F.g.05.2	M00001615C:E07	3770
2418	3/24/98	397	RTA00000427F.e.10.1	M00003974D:H07	64599
2419	3/24/98	398	RTA00000527F.c.16.1	M00003821A:H09	22908
2420	3/24/98	399	RTA00000524F.c.07.1	M00005217A:G10	0
2421	3/24/98	400	RTA00000523F.f.17.1	M00003840B:E08	63984
2422	3/24/98	401	RTA00000525F.c.16.1	M00004040A:B04	38209
2423	3/24/98	402	RTA00000527F.p.24.1	M00004031B:A06	36832
2424	3/24/98	403	RTA00000425F.n.17.1	M00001636A:H12	78304
2425	3/24/98	404	RTA00000522F.b.18.1	M00001573B:A06	3460
2426	3/24/98	405	RTA00000425F.e.07.1	M00001608C:D02	75992
2427	3/24/98	406	RTA00000523F.o.07.1	M00005176A:A05	0
2428	3/24/98	407	RTA00000523F.h.08.1	M00003851B:E01	62893
2429	3/24/98	408	RTA00000522F.o.10.1	M00001660D:E05	78798
2430	3/24/98	409	RTA00000425F.l.10.1	M00001638A:C08	26893
2431	3/24/98	410	RTA00000427F.f.16.1	M00004119D:H06	64122

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2432	3/24/98	411	RTA00000424F.n.12.1	M00001582C:G02	41589
2433	3/24/98	412	RTA00000425F.i.11.1	M00001664B:F06	21716
2434	3/24/98	413	RTA00000425F.i.10.1	M00001664B:E08	78736
2435	3/24/98	414	RTA00000426F.m.12.1	M00004030B:D08	63740
2436	3/24/98	415	RTA00000527F.g.12.1	M00003845C:D04	37746
2437	3/24/98	416	RTA00000527F.i.12.2	M00003852B:D11	0
2438	3/24/98	417	RTA00000524F.b.10.1	M00005213C:A01	0
2439	3/24/98	418	RTA00000425F.i.18.1	M00001633A:G10	42255
2440	3/24/98	419	RTA00000428F.b.22.1	M00005231D:B09	0
2441	3/24/98	420	RTA00000424F.j.13.1	M00001594C:H03	74485
2442	3/24/98	421	RTA00000523F.i.10.1	M00003855B:B09	64876
2443	3/24/98	422	RTA00000527F.f.03.1	M00003829A:B08	17788
2444	3/24/98	423	RTA00000427F.p.06.2	M00005102C:C01	0
2445	3/24/98	424	RTA00000424F.k.10.1	M00001592D:H02	73232
2446	3/24/98	425	RTA00000522F.i.07.2	M00001649A:E10	78377
2447	3/24/98	426	RTA00000424F.k.21.1	M00001614A:A04	73197
2448	3/24/98	427	RTA00000522F.b.08.1	M00001570D:E06	26915
2449	3/24/98	428	RTA00000522F.l.08.1	M00001654A:E08	78781
2450	3/24/98	429	RTA00000525F.a.14.1	M00004033B:C02	37566
2451	3/24/98	430	RTA00000424F.g.08.1	M00001482C:F09	74928
2452	3/24/98	431	RTA00000425F.l.09.1	M00001638A:B04	75251
2453	3/24/98	432	RTA00000522F.o.20.1	M00001669C:B09	74853
2454	3/24/98	433	RTA00000527F.j.04.2	M00003856A:G04	11809
2455	3/24/98	434	RTA00000522F.c.11.1	M00001576C:H02	31064
2456	3/24/98	435	RTA00000523F.c.13.1	M00003813D:B12	40668
2457	3/24/98	436	RTA00000427F.i.21.1	M00004102C:F03	65540
2458	3/24/98	437	RTA00000427F.n.10.1	M00004960B:A08	0
2459	3/24/98	438	RTA00000522F.h.02.1	M00001595C:E09	74947
2460	3/24/98	439	RTA00000522F.g.10.1	M00001595A:C07	74204
2461	3/24/98	440	RTA00000523F.o.22.1	M00005177C:B04	0
2462	3/24/98	441	RTA00000528F.g.22.2	M00001630C:F09	920
2463	3/24/98	442	RTA00000425F.d.14.1	M00001629A:H09	13417
2464	3/24/98	443	RTA00000425F.k.16.1	M00001640A:F05	75282
2465	3/24/98	444	RTA00000525F.b.09.1	M00004035B:F05	23472
2466	3/24/98	445	RTA00000522F.j.08.2	M00001650D:D10	76613
2467	3/24/98	446	RTA00000425F.f.20.1	M00001653D:H07	74071
2468	3/24/98	447	RTA00000523F.f.19.1	M00003840B:F05	34169
2469	3/24/98	448	RTA00000425F.j.18.1	M00001639D:G12	75561
2470	3/24/98	449	RTA00000426F.m.04.1	M00004028A:B10	36865
2471	3/24/98	450	RTA00000527F.g.21.1	M00003846B:C05	36028
2472	3/24/98	451	RTA00000527F.i.15.2	M00003852C:F07	14235
2473	3/24/98	452	RTA00000525F.a.22.1	M00004033D:G06	36848
2474	3/24/98	453	RTA00000522F.p.22.1	M00001671B:F02	73322
2475	3/24/98	454	RTA00000424F.d.12.2	M00001530D:E06	74342
2476	3/24/98	455	RTA00000424F.g.24.1	M00001487C:A11	79156
2477	3/24/98	456	RTA00000427F.a.10.1	M00004038B:D01	65370
2478	3/24/98	457	RTA00000426F.h.20.1	M00003905A:H11	23187
2479	3/24/98	458	RTA00000424F.d.12.3	M00001530D:E06	74342
2480	3/24/98	459	RTA00000425F.c.03.1	M00001585D:B12	74643
2481	3/24/98	460	RTA00000523F.f.16.1	M00003840B:E07	26522

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2482	3/24/98	461	RTA00000427F.f.15.1	M00004119D:A07	66734
2483	3/24/98	462	RTA00000427F.p.13.2	M00004695B:E04	0
2484	3/24/98	463	RTA00000523F.p.16.1	M00005179D:B03	0
2485	3/24/98	464	RTA00000522F.p.18.1	M00001671A:H06	76376
2486	3/24/98	465	RTA00000528F.d.04.1	M00001570D:E07	2395
2487	3/24/98	466	RTA00000427F.d.06.1	M00003980B:C06	33446
2488	3/24/98	467	RTA00000528F.h.02.2	M00001632C:D08	1701
2489	3/24/98	468	RTA00000524F.a.18.1	M00005211A:E09	0
2490	3/24/98	469	RTA00000522F.e.20.1	M00001590B:H10	26770
2491	3/24/98	470	RTA00000427F.p.24.2	M00004897D:F03	0
2492	3/24/98	471	RTA00000528F.c.11.1	M00001486D:D12	1701
2493	3/24/98	472	RTA00000522F.g.18.1	M00001595B:H11	73226
2494	3/24/98	473	RTA00000523F.o.21.1	M00005177C:A01	0
2495	3/24/98	474	RTA00000522F.h.05.1	M00001595C:H11	73358
2496	3/24/98	475	RTA00000427F.i.06.1	M00004097B:D03	41450
2497	3/24/98	476	RTA00000425F.n.16.1	M00001636A:C02	18265
2498	3/24/98	477	RTA00000527F.l.21.1	M00003983D:H02	36439
2499	3/24/98	478	RTA00000527F.p.09.1	M00004029C:F05	7694
2500	3/24/98	479	RTA00000527F.l.23.1	M00003984A:B06	36018
2501	3/24/98	480	RTA00000424F.d.17.3	M00001455A:E11	73958
2502	3/24/98	481	RTA00000523F.j.02.1	M00003857A:H10	62853
2503	2/24/98	1132	RTA00000119A.c.12.1	M00001453A:D08	4882
2504	2/24/98	6	RTA00000119A.j.15.1	M00001460A:E11	79623
2505	2/24/98	1041	RTA00000403F.b.05.1	M00001455B:E07	74300
2506	2/24/98	994	RTA00000408F.b.04.2	M00001455A:F04	39933
2507	2/24/98	401	RTA00000132A.c.11.1	M00001454A:G03	87278
2508	2/24/98	535	RTA00000119A.g.7.1	M00001454A:F11	83580
2509	2/24/98	867	RTA00000339F.l.21.1	M00001455D:D11	9781
2510	2/24/98	52	RTA00000339F.n.10.1	M00001453B:F08	13719
2511	2/24/98	380	RTA00000403F.b.19.1	M00001456B:A06	22327
2512	1/28/98	288	RTA00000181AR.i.06.3	M00001452A:C07	19119
2512	2/24/98	198	RTA00000339R.l.14.1	M00001452A:C07	19119
2513	1/28/98	288	RTA00000181AR.i.06.3	M00001452A:C07	19119
2513	2/24/98	198	RTA00000339R.l.14.1	M00001452A:C07	19119
2514	2/24/98	264	RTA00000345F.j.08.1	M00001451B:A04	16731
2515	2/24/98	1125	RTA00000118A.n.5.1	M00001451A:C10	0
2516	2/24/98	229	RTA00000345F.i.09.1	M00001450A:D08	27250
2517	2/24/98	670	RTA00000131A.i.6.1	M00001450A:B08	0
2518	2/24/98	892	RTA00000339F.m.17.1	M00001453B:H12	20854
2519	2/24/98	1123	RTA00000408F.c.23.1	M00001458C:D10	42261
2520	2/24/98	680	RTA00000345F.e.11.1	M00001391C:C04	4392
2521	2/24/98	644	RTA00000119A.j.9.1	M00001460A:B12	82060
2522	2/24/98	972	RTA00000408F.d.15.1	M00001459B:C11	78467
2523	2/24/98	1081	RTA00000403F.d.02.1	M00001458D:D01	39224
2524	2/24/98	231	RTA00000408F.d.06.1	M00001458D:C11	78997
2525	2/24/98	663	RTA00000403F.b.12.1	M00001455D:A06	78775
2526	2/24/98	856	RTA00000408F.d.02.1	M00001458D:A01	79169
2527	2/24/98	743	RTA00000345F.i.08.1	M00001449D:G10	0
2528	2/24/98	1162	RTA00000408F.c.10.1	M00001458A:A11	18247
2529	2/24/98	841	RTA00000119A.i.8.1	M00001457A:G12	82593

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2530	2/24/98	677	RTA00000119A.h.24.1	M00001457A:C05	82266
2531	2/24/98	750	RTA00000403F.c.05.1	M00001456C:C11	74935
2532	2/24/98	751	RTA00000422F.i.02.1	M00001456C:B12	76436
2533	2/24/98	920	RTA00000403F.b.24.1	M00001456B:G01	78838
2534	2/24/98	1251	RTA00000408F.d.03.1	M00001458D:A02	22768
2535	2/24/98	450	RTA00000118A.a.23.1	M00001395A:H02	3500
2536	2/24/98	85	RTA00000339F.k.22.1	M00001427C:D01	5556
2537	2/24/98	684	RTA00000339F.k.20.1	M00001426D:D12	6662
2538	2/24/98	129	RTA00000118A.d.24.1	M00001416A:H02	81488
2539	2/24/98	397	RTA00000118A.d.17.1	M00001416A:D09	81921
2540	2/24/98	158	RTA00000348R.j.16.1	M00001410A:D07	7005
2541	2/24/98	1025	RTA00000118A.j.24.1	M00001450A:B03	18
2542	2/24/98	1005	RTA00000339F.e.17.1	M00001397D:G08	7568
2543	2/24/98	1040	RTA00000348R.o.12.1	M00001433C:F10	2263
2544	2/24/98	746	RTA00000345F.e.02.1	M00001395A:E03	0
2545	2/24/98	517	RTA00000118A.a.2.1	M00001395A:A12	38067
2546	2/24/98	1065	RTA00000195R.a.06.1	M00001394A:E04	35265
2546	1/28/98	595	RTA00000195R.a.06.1	M00001394A:E04	35265
2547	1/28/98	595	RTA00000195R.a.06.1	M00001394A:E04	35265
2547	2/24/98	1065	RTA00000195R.a.06.1	M00001394A:E04	35265
2548	1/28/98	675	RTA00000179A.R.b.21.3	M00001392C:D05	4366
2548	2/24/98	1264	RTA00000345F.e.13.1	M00001392C:D05	4366
2549	1/28/98	562	RTA00000196F.j.12.1	M00001396A:H03	19294
2550	2/24/98	1042	RTA00000339F.g.10.1	M00001400C:D02	6327
2551	2/24/98	706	RTA00000403F.a.09.1	M00001448B:H05	77820
2552	2/24/98	823	RTA00000119A.k.1.1	M00001460A:H11	81282
2553	2/24/98	703	RTA00000339F.n.05.1	M00001449D:B01	39648
2554	2/24/98	787	RTA00000345F.i.24.1	M00001449C:C05	0
2555	2/24/98	58	RTA00000339F.n.03.1	M00001449B:B03	0
2556	2/24/98	440	RTA00000403F.a.18.1	M00001448D:F12	75726
2557	2/24/98	815	RTA00000403F.a.17.1	M00001448D:E12	13686
2558	2/24/98	275	RTA00000353R.j.24.1	M00001428B:D01	23089
2559	2/24/98	902	RTA00000403F.a.10.1	M00001448C:E11	73952
2560	2/24/98	1214	RTA00000339F.j.07.1	M00001428D:B10	5673
2561	2/24/98	378	RTA00000403F.a.07.1	M00001448B:F09	73559
2562	2/24/98	473	RTA00000403F.a.05.1	M00001448A:E11	18808
2563	2/24/98	128	RTA00000403F.a.04.1	M00001448A:B12	23529
2564	2/24/98	227	RTA00000347F.c.06.1	M00001444D:C01	18846
2565	2/24/98	35	RTA00000339F.i.13.1	M00001434A:B10	5970
2566	2/24/98	442	RTA00000347F.b.02.1	M00001450A:A02	39304
2567	2/24/98	288	RTA00000403F.a.11.1	M00001448C:F10	73109
2568	2/24/98	853	RTA00000408F.j.13.2	M00001485B:D10	42275
2569	2/24/98	249	RTA00000119A.j.10.1	M00001460A:C10	79646
2570	2/24/98	634	RTA00000418F.c.04.1	M00001487B:A11	41587
2571	2/24/98	110	RTA00000408F.k.14.1	M00001486B:E12	73856
2572	2/24/98	894	RTA00000408F.k.12.1	M00001486B:D07	77246
2573	2/24/98	395	RTA00000408F.j.19.2	M00001485C:C08	73752
2574	2/24/98	509	RTA00000349R.g.10.1	M00001495B:B08	5777
2575	2/24/98	426	RTA00000408F.j.15.2	M00001485B:F05	74759
2576	2/24/98	101	RTA00000121A.m.2.1	M00001507A:A11	81064

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2577	2/24/98	330	RTA00000403F.i.04.1	M00001485B:D09	8930
2578	2/24/98	647	RTA00000418F.b.23.1	M00001485A:C05	28767
2579	2/24/98	569	RTA00000403F.h.18.1	M00001484C:A04	39241
2580	2/24/98	236	RTA00000403F.h.12.1	M00001483C:G09	15205
2581	2/24/98	707	RTA00000403F.h.11.1	M00001483B:D04	39219
2582	2/24/98	869	RTA00000403F.h.07.1	M00001482D:H11	26856
2583	2/24/98	1101	RTA00000408F.j.17.2	M00001485B:H03	78935
2584	2/24/98	344	RTA00000403F.m.15.2	M00001575D:D12	26901
2585	2/24/98	768	RTA00000403F.k.5.1	M00001507A:E04	17530
2586	2/24/98	1174	RTA00000121A.k.22.1	M00001507A:C05	79523
2587	2/24/98	184	RTA00000133A.j.13.1	M00001507A:B02	16846
2588	2/24/98	1230	RTA00000399F.j.14.1	M00001578C:F05	16942
2589	2/24/98	304	RTA00000403F.n.18.2	M00001577D:H06	8811
2590	2/24/98	938	RTA00000403F.i.23.1	M00001487B:E10	11364
2591	2/24/98	1131	RTA00000418F.e.20.1	M00001576C:G05	73741
2592	2/24/98	651	RTA00000403F.g.11.1	M00001481A:H08	24238
2593	2/24/98	312	RTA00000399F.i.08.1	M00001575D:B10	38927
2594	2/24/98	800	RTA00000403F.m.12.1	M00001575D:A02	16933
2595	2/24/98	1017	RTA00000418F.e.03.1	M00001573B:G08	73442
2596	2/24/98	269	RTA00000422F.e.08.1	M00001573A:E01	39020
2597	2/24/98	1247	RTA00000408F.o.13.1	M00001572A:B05	74895
2598	2/24/98	847	RTA00000403F.l.11.1	M00001571D:F05	25073
2599	2/24/98	910	RTA00000418F.f.03.1	M00001577B:F10	78911
2600	2/24/98	244	RTA00000120A.g.23.1	M00001465A:E10	81189
2601	2/24/98	1189	RTA00000339F.o.18.1	M00001469B:B01	6641
2602	2/24/98	1266	RTA00000121A.a.2.1	M00001468A:H10	81843
2603	2/24/98	414	RTA00000120A.p.18.1	M00001468A:C05	6478
2604	2/24/98	96	RTA00000120A.n.19.3	M00001467A:H07	80004
2605	2/24/98	1231	RTA00000120A.m.13.3	M00001467A:C10	80608
2606	2/24/98	134	RTA00000408F.i.08.2	M00001482A:H05	75811
2607	2/24/98	410	RTA00000120A.h.5.1	M00001465A:G06	80344
2608	2/24/98	403	RTA00000403F.d.22.1	M00001473A:A07	10692
2609	2/24/98	183	RTA00000120A.g.18.1	M00001465A:C12	81255
2610	2/24/98	810	RTA00000120A.h.9.1	M00001465A:B12	80736
2611	2/24/98	71	RTA00000120A.d.24.1	M00001464A:E10	5085
2612	2/24/98	490	RTA00000120A.d.15.1	M00001464A:B02	80533
2613	2/24/98	736	RTA00000120A.c.7.1	M00001462A:D03	80985
2614	2/24/98	724	RTA00000119A.m.17.1	M00001461A:F05	79536
2615	2/24/98	1063	RTA00000132A.n.7.1	M00001466A:F08	0
2616	2/24/98	74	RTA00000408F.e.22.2	M00001476B:F08	26930
2617	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
2617	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
2617	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
2618	2/24/98	1012	RTA00000403F.g.06.1	M00001480C:A05	10505
2619	2/24/98	419	RTA00000408F.h.08.1	M00001480A:D03	74575
2620	2/24/98	871	RTA00000403F.f.23.1	M00001479C:E01	39223
2621	2/24/98	638	RTA00000418F.b.09.1	M00001478B:H08	19700
2622	2/24/98	770	RTA00000421F.f.05.1	M00001477B:E02	5266
2623	2/24/98	549	RTA00000121A.h.18.1	M00001471A:B04	16376
2624	2/24/98	660	RTA00000408F.e.24.2	M00001476C:C11	75002

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2625	2/24/98	144	RTA00000349R.f.15.1	M00001472A:D08	75097
2626	2/24/98	774	RTA00000403F.e.24.1	M00001476B:D10	16432
2627	2/24/98	268	RTA00000403F.e.23.1	M00001476A:D11	9626
2628	2/24/98	715	RTA00000418F.b.01.1	M00001475C:G11	76040
2629	2/24/98	1073	RTA00000418F.a.10.1	M00001475B:C04	15245
2630	2/24/98	100	RTA00000339F.o.23.1	M00001473C:D09	7801
2631	2/24/98	756	RTA00000403F.g.13.1	M00001481B:D09	38718
2632	2/24/98	915	RTA00000408F.f.14.2	M00001476D:F03	73024
2633	1/28/98	389	RTA00000181AR.k.2.2	M00001453C:A11	0
2633	1/28/98	286	RTA00000181AR.k.2.3	M00001453C:A11	0
2634	1/28/98	565	RTA00000191AF.c.10.1	M00003989B:F11	40422
2635	1/28/98	449	RTA00000181AF.m.22.3	M00001455D:F09	9283
2635	1/28/98	450	RTA00000181AF.m.21.3	M00001455D:F09	9283
2636	1/28/98	449	RTA00000181AF.m.22.3	M00001455D:F09	9283
2636	1/28/98	450	RTA00000181AF.m.21.3	M00001455D:F09	9283
2637	1/28/98	449	RTA00000181AF.m.22.3	M00001455D:F09	9283
2637	1/28/98	450	RTA00000181AF.m.21.3	M00001455D:F09	9283
2638	1/28/98	449	RTA00000181AF.m.22.3	M00001455D:F09	9283
2638	1/28/98	450	RTA00000181AF.m.21.3	M00001455D:F09	9283
2639	1/28/98	390	RTA00000197AR.f.07.1	M00001457C:C11	19261
2639	1/28/98	184	RTA00000197AF.f.7.1	M00001457C:C11	19261
2640	1/28/98	598	RTA00000197F.e.10.1	M00001454B:D08	13154
2641	1/28/98	184	RTA00000197AF.f.7.1	M00001457C:C11	19261
2641	1/28/98	390	RTA00000197AR.f.07.1	M00001457C:C11	19261
2642	1/28/98	286	RTA00000181AR.k.2.3	M00001453C:A11	0
2642	1/28/98	389	RTA00000181AR.k.2.2	M00001453C:A11	0
2643	1/28/98	667	RTA00000197AF.d.16.1	M00001452A:E07	23505
2644	1/28/98	679	RTA00000197AF.d.11.1	M00001451C:E01	27260
2645	1/28/98	664	RTA00000195R.e.23.1	M00001449C:H12	85432
2646	1/28/98	594	RTA00000181AR.e.04.3	M00001448A:G09	11825
2647	1/28/98	405	RTA00000197AF.b.24.1	M00001446C:D09	23171
2648	1/28/98	572	RTA00000181AF.l.16.2	M00001454D:E05	13532
2649	1/28/98	590	RTA00000190AF.d.2.1	M00003906B:F12	2444
2650	1/28/98	675	RTA00000179AR.b.21.3	M00001392C:D05	4366
2650	2/24/98	1264	RTA00000345F.e.13.1	M00001392C:D05	4366
2651	1/28/98	486	RTA00000190AR.p.22.2	M00003979A:E11	16368
2652	1/28/98	701	RTA00000199AF.o.10.1	M00003974C:E04	0
2653	1/28/98	704	RTA00000190AF.o.12.1	M00003972D:C09	3438
2654	1/28/98	469	RTA00000190AF.n.2.1	M00003963A:E03	5650
2655	1/28/98	612	RTA00000197AR.e.22.1	M00001456A:H02	78758
2656	1/28/98	640	RTA00000190AF.f.5.1	M00003909A:H04	5015
2657	1/28/98	539	RTA00000197AR.b.13.1	M00001445B:E04	9560
2658	1/28/98	431	RTA00000199AF.k.15.1	M00003905C:G10	8275
2659	1/28/98	747	RTA00000190AF.c.6.1	M00003904D:D10	4780
2660	1/28/98	584	RTA00000190AR.c.03.1	M00003904C:A08	0
2660	2/24/98	1069	RTA00000346F.k.05.1	M00003904C:A08	0
2661	1/28/98	584	RTA00000190AR.c.03.1	M00003904C:A08	0
2661	2/24/98	1069	RTA00000346F.k.05.1	M00003904C:A08	0
2662	1/28/98	577	RTA00000190AF.a.24.2	M00003901B:A05	0
2663	1/28/98	639	RTA00000199AF.j.1.1	M00003881C:G09	6006

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2664	1/28/98	649	RTA00000190AR.I.19.2	M00003946A:H10	88204
2665	1/28/98	488	RTA00000179AR.I.22.4	M00001405B:E09	4314
2665	1/28/98	481	RTA00000179AR.I.22.2	M00001405B:E09	4314
2666	1/28/98	721	RTA00000180AF.c.4.1	M00001417B:C04	5415
2667	1/28/98	744	RTA00000196F.m.4.1	M00001413A:F03	7958
2668	1/28/98	569	RTA00000196AF.I.23.1	M00001412A:E04	12052
2669	1/28/98	707	RTA00000179AF.p.15.1	M00001411D:F05	5622
2670	1/28/98	599	RTA00000179AF.o.5.1	M00001408D:D04	6172
2671	1/28/98	420	RTA00000181AF.c.11.1	M00001445D:A06	4769
2672	1/28/98	500	RTA00000179AR.m.07.5	M00001405D:D11	0
2673	1/28/98	609	RTA00000196AF.n.05.1	M00001418B:F07	12531
2673	2/24/98	1120	RTA00000353R.I.23.1	M00001418B:F07	12531
2674	1/28/98	481	RTA00000179AR.I.22.2	M00001405B:E09	4314
2674	1/28/98	488	RTA00000179AR.I.22.4	M00001405B:E09	4314
2675	1/28/98	481	RTA00000179AR.I.22.2	M00001405B:E09	4314
2675	1/28/98	488	RTA00000179AR.I.22.4	M00001405B:E09	4314
2676	1/28/98	481	RTA00000179AR.I.22.2	M00001405B:E09	4314
2676	1/28/98	488	RTA00000179AR.I.22.4	M00001405B:E09	4314
2677	1/28/98	636	RTA00000196F.k.20.1	M00001402B:F12	6324
2678	1/28/98	691	RTA00000195F.a.10.1	M00001401C:H03	6803
2679	2/24/98	161	RTA00000418F.n.22.1	M00001659D:B05	79062
2680	1/28/98	611	RTA00000196F.I.13.2	M00001408A:H04	0
2681	1/28/98	535	RTA00000196AF.n.19.1	M00001423D:D12	6881
2682	1/28/98	413	RTA00000200F.a.12.1	M00004031D:B05	16751
2683	1/28/98	580	RTA00000197F.a.12.1	M00001438B:B09	7895
2684	1/28/98	681	RTA00000180AF.I.04.2	M00001432D:F05	11159
2685	1/28/98	568	RTA00000196AF.p.01.2	M00001430A:A02	87143
2686	1/28/98	736	RTA00000196AF.o.13.1	M00001428B:A09	0
2687	1/28/98	438	RTA00000180AR.g.03.4	M00001425A:C11	9024
2687	1/28/98	95	RTA00000180AF.g.3.1	M00001425A:C11	9024
2688	1/28/98	514	RTA00000196AF.n.02.1	M00001417D:A04	39260
2689	1/28/98	741	RTA00000196AF.n.22.1	M00001424B:H04	9572
2690	1/28/98	609	RTA00000196AF.n.05.1	M00001418B:F07	12531
2690	2/24/98	1120	RTA00000353R.I.23.1	M00001418B:F07	12531
2691	1/28/98	462	RTA00000196AF.n.17.1	M00001423D:A09	12477
2692	1/28/98	477	RTA00000180AR.e.22.2	M00001423A:G05	7714
2693	1/28/98	445	RTA00000196AF.n.13.1	M00001422C:F12	8396
2694	1/28/98	696	RTA00000180AR.d.16.3	M00001419D:C10	11393
2694	2/24/98	1184	RTA00000345F.h.08.1	M00001419D:C10	11393
2695	1/28/98	696	RTA00000180AR.d.16.3	M00001419D:C10	11393
2695	2/24/98	1184	RTA00000345F.h.08.1	M00001419D:C10	11393
2696	1/28/98	541	RTA00000197AR.b.16.1	M00001445C:A08	0
2697	1/28/98	95	RTA00000180AF.g.3.1	M00001425A:C11	9024
2697	1/28/98	438	RTA00000180AR.g.03.4	M00001425A:C11	9024
2698	1/28/98	536	RTA00000193AR.a.2.3	M00004216D:D03	0
2699	1/28/98	588	RTA00000191AF.b.4.1	M00003983C:F03	14936
2700	1/28/98	401	RTA00000195F.e.04.1	M00004465B:D04	6731
2701	2/24/98	91	RTA00000355R.e.15.1	M00004316A:G09	22639
2701	1/28/98	410	RTA00000201F.a.20.1	M00004316A:G09	22639
2702	1/28/98	410	RTA00000201F.a.20.1	M00004316A:G09	22639

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2702	2/24/98	91	RTA00000355R.e.15.1	M00004316A:G09	22639
2703	1/28/98	716	RTA00000200F.p.05.1	M00004285C:A08	3984
2704	2/24/98	434	RTA00000348R.b.16.1	M00001347B:H04	6510
2705	1/28/98	528	RTA00000200F.n.09.2	M00004249D:B08	12391
2706	2/24/98	575	RTA00000345F.a.18.1	M00001351C:B06	5517
2707	1/28/98	658	RTA00000193AF.a.1.1	M00004216D:C03	16501
2708	1/28/98	472	RTA00000192AF.p.17.1	M00004214C:H05	11451
2709	1/28/98	478	RTA00000192AR.o.24.2	M00004210B:B05	7191
2710	1/28/98	753	RTA00000192AF.o.17.1	M00004208D:B10	5275
2711	1/28/98	563	RTA00000192AR.o.16.2	M00004208B:F05	9061
2712	1/28/98	730	RTA00000192AF.o.11.1	M00004205D:F06	0
2713	1/28/98	624	RTA00000200F.o.15.1	M00004275A:B03	7866
2714	2/24/98	169	RTA00000347F.a.17.1	M00001366D:C06	16723
2715	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
2715	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
2715	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
2716	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
2716	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
2716	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
2717	1/28/98	522	RTA00000178AR.h.17.2	M00001376A:C05	23824
2717	2/24/98	1095	RTA00000345F.c.12.1	M00001376A:C05	23824
2718	1/28/98	522	RTA00000178AR.h.17.2	M00001376A:C05	23824
2718	2/24/98	1095	RTA00000345F.c.12.1	M00001376A:C05	23824
2719	2/24/98	1155	RTA00000353R.h.04.1	M00001375B:C06	17123
2720	1/28/98	614	RTA00000201F.f.03.1	M00004493B:D09	22633
2721	2/24/98	16	RTA00000399F.a.02.1	M00001366D:C12	0
2722	1/28/98	436	RTA00000200AF.k.11.1	M00004197C:F03	9796
2722	1/28/98	501	RTA00000200R.k.11.1	M00004197C:F03	9796
2723	2/24/98	1140	RTA00000339F.c.05.1	M00001365A:H10	3908
2724	2/24/98	322	RTA00000339F.c.24.1	M00001364B:B06	5516
2725	2/24/98	888	RTA00000339R.c.04.1	M00001362D:H01	1805
2726	1/28/98	33	RTA00000178AR.a.20.1	M00001362C:H11	945
2726	2/24/98	979	RTA00000345F.b.17.1	M00001362C:H11	945
2727	1/28/98	33	RTA00000178AR.a.20.1	M00001362C:H11	945
2727	2/24/98	979	RTA00000345F.b.17.1	M00001362C:H11	945
2728	2/24/98	1173	RTA00000339R.b.07.1	M00001360A:G10	6826
2729	2/24/98	973	RTA00000339F.b.22.1	M00001373D:B03	6867
2730	1/28/98	581	RTA00000191AF.p.3.2	M00004104B:F11	17
2731	1/28/98	637	RTA00000200AF.g.15.1	M00004135B:G01	22898
2731	1/28/98	476	RTA00000200R.g.15.1	M00004135B:G01	22898
2732	1/28/98	637	RTA00000200AF.g.15.1	M00004135B:G01	22898
2732	1/28/98	476	RTA00000200R.g.15.1	M00004135B:G01	22898
2733	1/28/98	474	RTA00000192AR.d.1.3	M00004130D:H01	14507
2734	1/28/98	735	RTA00000192AF.b.11.1	M00004117A:G01	40014
2735	1/28/98	726	RTA00000200R.f.10.1	M00004111D:B07	4
2736	1/28/98	752	RTA00000192AF.o.7.1	M00004204D:C03	5275
2737	1/28/98	516	RTA00000200AF.e.23.1	M00004107B:A06	14686
2738	1/28/98	685	RTA00000200F.i.9.1	M00004159C:F09	36756
2738	2/24/98	704	RTA00000355R.a.12.1	M00004159C:F09	36756
2739	1/28/98	417	RTA00000200R.d.16.1	M00004085A:B02	39875

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2740	1/28/98	454	RTA00000200R.d.04.1	M00004078A:A06	5506
2741	1/28/98	551	RTA00000200AR.c.24.1	M00004076D:D04	15972
2742	1/28/98	524	RTA00000191AF.j.24.1	M00004076B:G03	0
2743	2/24/98	1166	RTA00000347F.h.01.1	M00004040A:G12	12043
2743	1/28/98	684	RTA00000200AR.b.11.1	M00004040A:G12	12043
2744	2/24/98	1166	RTA00000347F.h.01.1	M00004040A:G12	12043
2744	1/28/98	684	RTA00000200AR.b.11.1	M00004040A:G12	12043
2745	1/28/98	415	RTA00000200AF.f.09.1	M00004111C:E11	12863
2746	1/28/98	448	RTA00000200AF.j.9.1	M00004177C:A01	8608
2747	2/24/98	446	RTA00000133A.m.19.2	M00001512A:G05	80167
2748	1/28/98	436	RTA00000200AF.k.11.1	M00004197C:F03	9796
2748	1/28/98	501	RTA00000200R.k.11.1	M00004197C:F03	9796
2749	1/28/98	436	RTA00000200AF.k.11.1	M00004197C:F03	9796
2749	1/28/98	501	RTA00000200R.k.11.1	M00004197C:F03	9796
2750	1/28/98	436	RTA00000200AF.k.11.1	M00004197C:F03	9796
2750	1/28/98	501	RTA00000200R.k.11.1	M00004197C:F03	9796
2751	1/28/98	610	RTA00000200AF.k.2.1	M00004188D:G08	35924
2752	1/28/98	494	RTA00000200AF.k.1.1	M00004188C:A09	40049
2752	1/28/98	194	RTA00000200R.k.01.1	M00004188C:A09	40049
2753	1/28/98	574	RTA00000192AF.f.3.1	M00004146C:C11	5257
2754	1/28/98	604	RTA00000200AF.j.15.1	M00004185D:E04	5849
2755	1/28/98	579	RTA00000200F.i.7.1	M00004157D:B03	22322
2756	1/28/98	634	RTA00000192AF.j.6.1	M00004172C:D08	11494
2757	1/28/98	421	RTA00000200AF.i.21.1	M00004167D:A07	5316
2758	1/28/98	543	RTA00000200AF.i.19.1	M00004167A:H03	14722
2759	1/28/98	483	RTA00000192AF.h.19.1	M00004162C:A07	4642
2760	2/24/98	704	RTA00000355R.a.12.1	M00004159C:F09	36756
2760	1/28/98	685	RTA00000200F.i.9.1	M00004159C:F09	36756
2761	1/28/98	607	RTA00000200AF.k.12.1	M00004198B:D02	7359
2762	1/28/98	494	RTA00000200AF.k.1.1	M00004188C:A09	40049
2762	1/28/98	194	RTA00000200R.k.01.1	M00004188C:A09	40049
2763	2/24/98	554	RTA00000409F.i.03.1	M00001610A:E09	75968
2764	2/24/98	1228	RTA00000404F.h.10.1	M00001618A:A03	37148
2765	2/24/98	332	RTA00000409F.i.24.1	M00001611B:A09	76967
2766	2/24/98	1023	RTA00000404F.f.12.1	M00001611B:A05	39209
2767	2/24/98	572	RTA00000422F.i.03.1	M00001610D:D05	39147
2768	2/24/98	497	RTA00000350R.f.21.1	M00001610C:E07	22110
2769	2/24/98	557	RTA00000409F.j.05.1	M00001611C:C12	74128
2770	2/24/98	223	RTA00000404F.e.22.1	M00001610A:H05	11344
2771	2/24/98	165	RTA00000409F.j.07.1	M00001611C:H11	75190
2772	2/24/98	959	RTA00000340F.g.20.1	M00001609D:G10	4089
2773	2/24/98	737	RTA00000404F.e.15.1	M00001609B:C09	39101
2774	2/24/98	974	RTA00000340F.h.07.1	M00001608D:D11	19254
2775	2/24/98	857	RTA00000404F.e.09.1	M00001608B:A09	39121
2776	1/28/98	340	RTA00000185AF.n.8.1	M00001608B:A03	0
2776	2/24/98	75	RTA00000350R.i.22.1	M00001608B:A03	0
2777	1/28/98	340	RTA00000185AF.n.8.1	M00001608B:A03	0
2777	2/24/98	75	RTA00000350R.i.22.1	M00001608B:A03	0
2778	2/24/98	546	RTA00000409F.i.09.1	M00001610B:C07	75279
2779	2/24/98	374	RTA00000422F.m.04.1	M00001615B:A09	38702

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2780	2/24/98	505	RTA00000121A.o.3.1	M00001511A:A02	81437
2781	2/24/98	453	RTA00000130A.h.13.1	M00001617A:A01	80790
2782	2/24/98	163	RTA00000422F.l.23.1	M00001616D:C11	4240
2783	2/24/98	889	RTA00000346F.b.16.1	M00001615C:G05	16485
2784	2/24/98	203	RTA00000404F.g.21.1	M00001615C:A11	37947
2785	2/24/98	32	RTA00000409F.j.02.1	M00001611B:E06	76417
2786	2/24/98	872	RTA00000409F.l.20.1	M00001615B:G01	74394
2787	2/24/98	978	RTA00000130A.e.20.1	M00001606A:H09	79502
2788	2/24/98	45	RTA00000409F.i.12.1	M00001615A:D06	26755
2789	2/24/98	182	RTA00000404F.g.14.1	M00001614D:B08	8858
2790	2/24/98	912	RTA00000404F.g.13.1	M00001614C:E06	9436
2791	2/24/98	1191	RTA00000340F.i.05.1	M00001614B:E08	0
2792	2/24/98	192	RTA00000421F.k.15.1	M00001613D:B03	2222
2793	2/24/98	360	RTA00000409F.j.19.1	M00001613A:F03	73792
2794	2/24/98	57	RTA00000409F.l.21.1	M00001615B:G07	73143
2795	2/24/98	354	RTA00000404F.c.03.2	M00001592C:F11	39198
2796	2/24/98	791	RTA00000399F.n.15.1	M00001594D:C03	3213
2797	2/24/98	921	RTA00000422F.j.02.1	M00001594D:B08	10368
2798	2/24/98	1114	RTA00000340F.f.22.1	M00001594B:F12	1720
2799	2/24/98	966	RTA00000422F.k.15.1	M00001594A:G09	19253
2800	2/24/98	46	RTA00000404F.c.20.1	M00001594A:D08	39088
2801	2/24/98	955	RTA00000404F.e.06.1	M00001607D:F06	39315
2802	2/24/98	1103	RTA00000346F.a.16.1	M00001593A:B07	12082
2803	2/24/98	540	RTA00000418F.i.18.1	M00001595C:B05	78024
2804	2/24/98	1245	RTA00000422F.k.22.1	M00001592C:E05	4098
2805	2/24/98	693	RTA00000404F.b.19.1	M00001592B:A04	39281
2806	2/24/98	1013	RTA00000404F.b.18.1	M00001592A:H05	13669
2807	2/24/98	989	RTA00000418F.i.12.1	M00001592A:E02	78971
2808	2/24/98	404	RTA00000404F.b.11.1	M00001591D:F05	39079
2809	2/24/98	786	RTA00000404F.b.09.1	M00001591D:C07	39166
2810	2/24/98	1147	RTA00000404F.c.18.1	M00001594A:C01	38982
2811	2/24/98	686	RTA00000129A.k.21.1	M00001601A:E12	82067
2812	2/24/98	1011	RTA00000400F.c.04.1	M00001618A:F08	6445
2813	2/24/98	702	RTA00000130A.d.5.1	M00001605A:H03	82051
2814	2/24/98	425	RTA00000130A.b.5.1	M00001605A:E09	79579
2815	2/24/98	458	RTA00000130A.a.19.1	M00001605A:A06	0
2816	2/24/98	51	RTA00000129A.n.21.1	M00001604A:C11	79381
2817	2/24/98	804	RTA00000129A.n.24.1	M00001604A:C07	81409
2818	2/24/98	317	RTA00000195AF.b.21.1	M00001595B:A09	39055
2818	1/28/98	602	RTA00000195AF.b.21.1	M00001595B:A09	39055
2819	2/24/98	864	RTA00000129A.n.17.1	M00001604A:A09	79811
2820	2/24/98	317	RTA00000195AF.b.21.1	M00001595B:A09	39055
2820	1/28/98	602	RTA00000195AF.b.21.1	M00001595B:A09	39055
2821	2/24/98	875	RTA00000129A.k.22.1	M00001601A:E02	79639
2822	2/24/98	406	RTA00000129A.k.12.1	M00001601A:A06	79322
2823	2/24/98	179	RTA00000418F.i.19.1	M00001596D:E03	79180
2824	2/24/98	759	RTA00000399F.o.06.1	M00001595D:G03	13574
2825	2/24/98	306	RTA00000404F.d.13.1	M00001595D:A04	39036
2826	2/24/98	1055	RTA00000346F.a.04.1	M00001607B:C05	5382
2827	2/24/98	350	RTA00000129A.p.3.1	M00001604A:B08	32644

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2828	2/24/98	721	RTA00000422F.k.14.1	M00001649D:A08	0
2829	2/24/98	391	RTA00000130A.h.16.1	M00001617A:A08	80761
2830	2/24/98	962	RTA00000404F.p.05.2	M00001652D:E09	1896
2831	2/24/98	65	RTA00000404F.p.04.2	M00001652D:E05	39069
2832	2/24/98	1108	RTA00000346F.c.16.1	M00001652B:G10	9579
2833	2/24/98	1200	RTA00000422F.k.17.1	M00001652A:A01	38955
2834	2/24/98	1218	RTA00000418F.m.18.1	M00001653B:G10	76479
2835	2/24/98	171	RTA00000404F.n.20.1	M00001650A:C11	26865
2836	2/24/98	180	RTA00000400F.j.19.1	M00001653C:D10	4086
2837	2/24/98	556	RTA00000400F.i.11.1	M00001649C:H10	2587
2838	2/24/98	848	RTA00000404F.n.18.2	M00001649C:E11	37169
2839	2/24/98	29	RTA00000404F.n.16.2	M00001649C:D05	39095
2840	2/24/98	146	RTA00000404F.n.11.2	M00001649A:E11	38001
2841	2/24/98	700	RTA00000350R.m.14.1	M00001644C:B07	39171
2842	2/24/98	699	RTA00000340F.l.05.1	M00001644B:D06	38935
2843	2/24/98	479	RTA00000418F.m.10.1	M00001651A:H11	79110
2844	2/24/98	1169	RTA00000405F.b.08.1	M00001656B:E01	39182
2845	2/24/98	855	RTA00000423F.a.01.1	M00001659C:F10	39103
2846	2/24/98	363	RTA00000405F.c.11.1	M00001659A:D12	39068
2847	2/24/98	807	RTA00000418F.n.11.1	M00001658D:G12	78977
2848	2/24/98	795	RTA00000418F.n.07.1	M00001658B:A07	76316
2849	2/24/98	109	RTA00000422F.p.24.2	M00001658A:G09	5823
2850	2/24/98	696	RTA00000404F.p.12.2	M00001653B:C06	0
2851	2/24/98	369	RTA00000410F.m.05.1	M00001657B:B04	74964
2852	2/24/98	1229	RTA00000422F.n.14.1	M00001642C:G02	26787
2853	2/24/98	529	RTA00000422F.o.19.2	M00001655C:E01	13084
2854	2/24/98	327	RTA00000405F.a.11.1	M00001655A:B11	39124
2855	2/24/98	393	RTA00000418F.m.24.1	M00001654D:F12	77114
2856	2/24/98	381	RTA00000418F.m.23.1	M00001654D:F11	77195
2857	2/24/98	877	RTA00000418F.m.22.1	M00001654D:E12	74567
2858	2/24/98	166	RTA00000418F.m.19.1	M00001654D:A03	8890
2859	2/24/98	291	RTA00000405F.c.01.1	M00001657D:A04	19236
2860	2/24/98	356	RTA00000409F.m.24.1	M00001620D:H02	3942
2861	2/24/98	717	RTA00000404F.i.22.1	M00001625C:G05	39082
2862	2/24/98	648	RTA00000340F.i.13.1	M00001624B:B10	79299
2863	2/24/98	914	RTA00000138A.m.15.1	M00001624A:A03	41603
2864	2/24/98	587	RTA00000130A.o.21.1	M00001623A:F04	80218
2865	2/24/98	22	RTA00000130A.m.15.1	M00001622A:H12	81630
2866	2/24/98	767	RTA00000138A.p.10.1	M00001644A:H01	81625
2867	2/24/98	262	RTA00000409F.n.14.1	M00001621B:G05	78190
2868	2/24/98	960	RTA00000404F.l.19.2	M00001639B:H01	16196
2869	2/24/98	608	RTA00000404F.i.12.1	M00001620D:G11	39001
2870	2/24/98	342	RTA00000404F.i.02.1	M00001619D:D10	39015
2871	2/24/98	195	RTA00000404F.h.22.1	M00001619C:C07	18735
2872	2/24/98	214	RTA00000404F.h.19.1	M00001619A:E05	8096
2873	2/24/98	52	RTA00000409F.m.12.1	M00001618B:D09	73490
2874	2/24/98	769	RTA00000340F.i.10.1	M00001618A:F10	38561
2875	2/24/98	383	RTA00000404F.i.18.1	M00001621C:H12	21912
2876	2/24/98	256	RTA00000404F.m.03.2	M00001640A:H02	11799
2877	2/24/98	519	RTA00000404F.l.10.1	M00001638B:F10	23136

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2878	2/24/98	646	RTA00000421F.m.14.1	M00001642A:F03	3524
2879	2/24/98	659	RTA00000422F.m.24.1	M00001641D:C04	39159
2880	2/24/98	701	RTA00000418F.l.11.1	M00001641C:H07	77158
2881	2/24/98	873	RTA00000418F.l.06.1	M00001641C:F01	73317
2882	2/24/98	422	RTA00000418F.l.04.1	M00001641C:D02	74140
2883	2/24/98	766	RTA00000404F.j.01.1	M00001625D:G10	26859
2884	2/24/98	20	RTA00000404F.m.04.2	M00001641A:A11	22720
2885	2/24/98	346	RTA00000418F.j.08.1	M00001626C:C11	73382
2886	2/24/98	141	RTA00000418F.k.19.1	M00001639C:C02	74932
2887	2/24/98	373	RTA00000418F.k.18.1	M00001639C:A10	75385
2888	2/24/98	405	RTA00000418F.k.17.1	M00001639C:A09	75390
2889	2/24/98	63	RTA00000404F.l.20.2	M00001639B:H05	38638
2889	2/24/98	133	RTA00000404F.l.20.1	M00001639B:H05	38638
2890	2/24/98	133	RTA00000404F.l.20.1	M00001639B:H05	38638
2890	2/24/98	63	RTA00000404F.l.20.2	M00001639B:H05	38638
2891	2/24/98	1261	RTA00000404F.m.17.2	M00001643B:E05	0
2892	2/24/98	626	RTA00000410F.j.01.1	M00001641B:F12	73399
2893	2/24/98	982	RTA00000126A.p.23.2	M00001552A:F06	80915
2894	2/24/98	196	RTA00000418F.k.10.1	M00001639A:G07	74454
2895	2/24/98	765	RTA00000137A.j.15.4	M00001559A:C08	4213
2896	2/24/98	895	RTA00000137A.j.11.4	M00001559A:A11	79752
2897	2/24/98	232	RTA00000128A.b.20.1	M00001558A:G09	79761
2898	2/24/98	152	RTA00000127A.i.20.1	M00001555A:B12	81418
2899	2/24/98	78	RTA00000195AF.b.13.1	M00001560D:A03	12605
2899	1/28/98	59	RTA00000195AF.b.13.1	M00001560D:A03	12605
2900	2/24/98	448	RTA00000127A.a.3.1	M00001552A:H10	13232
2901	2/24/98	801	RTA00000128A.m.23.1	M00001561A:D01	81441
2902	2/24/98	499	RTA00000126A.p.18.2	M00001552A:E10	80881
2903	2/24/98	1212	RTA00000349R.o.03.1	M00001551D:H07	23006
2904	2/24/98	484	RTA00000126A.n.13.2	M00001551A:H06	79735
2905	2/24/98	240	RTA00000126A.n.7.2	M00001551A:D06	79557
2906	2/24/98	451	RTA00000126A.o.22.1	M00001551A:A11	81752
2907	2/24/98	513	RTA00000126A.k.7.2	M00001550A:E07	79866
2908	2/24/98	578	RTA00000127A.f.11.1	M00001554A:A08	81463
2909	2/24/98	372	RTA00000408F.p.24.1	M00001579A:E03	74286
2910	2/24/98	985	RTA00000409F.a.08.1	M00001582D:B01	74978
2911	2/24/98	685	RTA00000129A.a.13.2	M00001582A:A03	79780
2912	2/24/98	574	RTA00000403F.o.14.1	M00001579D:H09	38971
2913	2/24/98	601	RTA00000403F.o.13.1	M00001579D:F04	39049
2914	2/24/98	432	RTA00000418F.g.05.1	M00001579C:H06	73075
2915	1/28/98	59	RTA00000195AF.b.13.1	M00001560D:A03	12605
2915	2/24/98	78	RTA00000195AF.b.13.1	M00001560D:A03	12605
2916	2/24/98	491	RTA00000418F.f.21.1	M00001579B:F04	75157
2917	2/24/98	612	RTA00000125A.k.14.1	M00001545A:G05	79457
2918	1/28/98	248	RTA00000198R.c.14.1	M00001578D:C04	39814
2918	2/24/98	778	RTA00000347F.e.05.1	M00001578D:C04	39814
2919	1/28/98	248	RTA00000198R.c.14.1	M00001578D:C04	39814
2919	2/24/98	778	RTA00000347F.e.05.1	M00001578D:C04	39814
2920	2/24/98	361	RTA00000422F.d.16.1	M00001570C:G03	39133
2921	2/24/98	173	RTA00000418F.d.13.1	M00001570A:H01	74309

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2922	2/24/98	1195	RTA00000422F.e.23.1	M00001567D:B03	19246
2923	2/24/98	1168	RTA00000421F.b.06.1	M00001567A:B09	2113
2924	2/24/98	580	RTA00000403F.o.07.1	M00001579C:A01	39037
2925	2/24/98	531	RTA00000345F.n.12.1	M00001528A:C04	7337
2926	2/24/98	154	RTA00000340F.b.21.1	M00001533D:A08	8001
2927	2/24/98	19	RTA00000123A.k.23.1	M00001533A:G05	80313
2928	2/24/98	1265	RTA00000340F.d.07.1	M00001532D:A06	0
2929	2/24/98	1124	RTA00000123A.h.22.1	M00001532A:C01	17124
2930	2/24/98	1241	RTA00000408F.l.14.1	M00001530A:E10	12001
2931	2/24/98	534	RTA00000126A.g.7.1	M00001548A:H04	1902
2932	2/24/98	694	RTA00000418F.c.07.1	M00001529D:C05	73245
2933	2/24/98	1034	RTA00000124A.f.16.3	M00001536A:F11	47430
2934	2/24/98	790	RTA00000345F.n.08.1	M00001517A:B11	0
2935	2/24/98	613	RTA00000122A.j.22.1	M00001516A:F06	81151
2936	2/24/98	885	RTA00000122A.j.17.1	M00001516A:D02	62736
2937	2/24/98	1262	RTA00000122A.h.4.1	M00001514A:G03	33576
2938	2/24/98	135	RTA00000122A.d.5.1	M00001513A:F05	81155
2939	1/28/98	391	RTA00000179AF.e.20.3	M00001396A:C03	4009
2940	2/24/98	537	RTA00000408F.l.09.1	M00001530A:A09	75487
2941	2/24/98	683	RTA00000403F.j.21.1	M00001540D:E02	24723
2942	2/24/98	343	RTA00000422F.g.21.1	M00001583A:F07	17232
2943	2/24/98	226	RTA00000125A.k.10.1	M00001545A:F02	81644
2944	2/24/98	763	RTA00000135A.m.18.1	M00001545A:C03	19255
2945	2/24/98	156	RTA00000125A.k.1.1	M00001545A:B12	0
2946	2/24/98	597	RTA00000135A.l.1.2	M00001545A:B10	39426
2947	2/24/98	586	RTA00000125A.g.24.1	M00001544A:F05	80397
2948	2/24/98	467	RTA00000123A.n.13.2	M00001534A:D03	39167
2949	2/24/98	830	RTA00000347F.b.08.1	M00001541B:E05	17591
2950	2/24/98	937	RTA00000134A.l.9.1	M00001535A:D10	81814
2951	2/24/98	371	RTA00000403F.j.17.1	M00001539D:B10	38563
2952	2/24/98	33	RTA00000403F.j.15.1	M00001539B:G07	23840
2953	2/24/98	1209	RTA00000408F.n.05.2	M00001539A:H02	77883
2954	2/24/98	530	RTA00000408F.n.02.2	M00001539A:E01	76993
2955	2/24/98	1213	RTA00000135A.a.23.1	M00001537A:H05	27054
2956	2/24/98	347	RTA00000125A.n.4.1	M00001546A:D08	81984
2957	2/24/98	472	RTA00000135A.f.14.2	M00001542A:G12	79969
2958	2/24/98	243	RTA00000410F.c.14.1	M00001634A:H05	77809
2959	2/24/98	919	RTA00000410F.d.18.1	M00001635D:D05	75458
2960	2/24/98	825	RTA00000404F.k.22.2	M00001635D:C12	39084
2960	2/24/98	364	RTA00000404F.k.22.1	M00001635D:C12	39084
2961	2/24/98	825	RTA00000404F.k.22.2	M00001635D:C12	39084
2961	2/24/98	364	RTA00000404F.k.22.1	M00001635D:C12	39084
2962	2/24/98	595	RTA00000410F.d.10.1	M00001635B:H02	77561
2963	2/24/98	175	RTA00000410F.d.09.1	M00001635B:H01	76964
2964	2/24/98	206	RTA00000410F.b.15.1	M00001633C:F09	77100
2965	2/24/98	1083	RTA00000418F.j.20.1	M00001634D:D04	77101
2966	2/24/98	922	RTA00000410F.e.09.1	M00001636A:F08	76093
2967	2/24/98	1035	RTA00000404F.k.15.1	M00001634A:B04	18225
2968	2/24/98	1167	RTA00000410F.c.06.1	M00001633D:H06	77784
2969	2/24/98	53	RTA00000410F.c.04.1	M00001633D:G09	74099

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
2970	2/24/98	567	RTA00000410F.c.02.1	M00001633D:D12	75055
2971	2/24/98	819	RTA00000410F.b.24.1	M00001633D:D09	75104
2972	2/24/98	666	RTA00000403F.o.19.1	M00001582D:F02	78615
2973	2/24/98	559	RTA00000418F.k.03.1	M00001634D:G11	78901
2974	2/24/98	999	RTA00000418F.k.04.1	M00001637A:A03	75864
2975	2/24/98	936	RTA00000121A.n.23.1	M00001511A:G01	26981
2976	2/24/98	201	RTA00000404F.l.09.1	M00001638B:E12	39176
2977	2/24/98	1160	RTA00000400F.g.02.1	M00001638B:E03	1508
2978	2/24/98	827	RTA00000410F.f.12.1	M00001637C:E03	73883
2979	2/24/98	622	RTA00000404F.l.07.1	M00001637C:C06	10798
2980	2/24/98	365	RTA00000418F.k.07.1	M00001637A:F10	75067
2981	2/24/98	248	RTA00000404F.k.24.1	M00001636A:C03	15256
2982	2/24/98	25	RTA00000418F.k.05.1	M00001637A:A06	73021
2983	2/24/98	1178	RTA00000400F.f.11.1	M00001636A:E07	4088
2984	2/24/98	1180	RTA00000404F.l.05.1	M00001636D:F09	38671
2985	2/24/98	711	RTA00000404F.l.03.2	M00001636B:G11	40272
2985	2/24/98	785	RTA00000404F.l.03.1	M00001636B:G11	40272
2986	2/24/98	785	RTA00000404F.l.03.1	M00001636B:G11	40272
2986	2/24/98	711	RTA00000404F.l.03.2	M00001636B:G11	40272
2987	2/24/98	711	RTA00000404F.l.03.2	M00001636B:G11	40272
2987	2/24/98	785	RTA00000404F.l.03.1	M00001636B:G11	40272
2988	2/24/98	711	RTA00000404F.l.03.2	M00001636B:G11	40272
2988	2/24/98	785	RTA00000404F.l.03.1	M00001636B:G11	40272
2989	2/24/98	1106	RTA00000410F.b.17.1	M00001633C:H05	77458
2990	2/24/98	253	RTA00000400F.f.18.1	M00001637A:E10	3764
2991	2/24/98	562	RTA00000401F.j.17.1	M00003901B:C05	5483
2992	2/24/98	1082	RTA00000137A.o.22.1	M00001587A:D01	0
2993	2/24/98	594	RTA00000129A.c.18.2	M00001587A:B10	37216
2994	2/24/98	891	RTA00000137A.p.12.1	M00001587A:B01	80614
2995	2/24/98	131	RTA00000418F.g.22.1	M00001585B:F01	74837
2996	2/24/98	880	RTA00000418F.g.20.1	M00001585B:C03	74626
2997	2/24/98	742	RTA00000410F.b.18.1	M00001633C:H11	76701
2998	2/24/98	879	RTA00000409F.b.19.1	M00001584D:H02	14479
2999	2/24/98	167	RTA00000399F.l.14.1	M00001590B:G08	3354
3000	2/24/98	1260	RTA00000422F.f.18.1	M00001583D:B08	24528
3000	2/24/98	1258	RTA00000403F.p.05.2	M00001583D:B08	24528
3001	2/24/98	1260	RTA00000422F.f.18.1	M00001583D:B08	24528
3001	2/24/98	1258	RTA00000403F.p.05.2	M00001583D:B08	24528
3002	2/24/98	1260	RTA00000422F.f.18.1	M00001583D:B08	24528
3002	2/24/98	1258	RTA00000403F.p.05.2	M00001583D:B08	24528
3003	2/24/98	1260	RTA00000422F.f.18.1	M00001583D:B08	24528
3003	2/24/98	1258	RTA00000403F.p.05.2	M00001583D:B08	24528
3004	2/24/98	67	RTA00000409F.a.22.1	M00001583B:F02	75200
3005	2/24/98	564	RTA00000418F.k.08.1	M00001639A:C03	18259
3006	1/28/98	282	RTA00000193AF.c.15.1	M00004248B:E08	3726
3007	2/24/98	242	RTA00000404F.j.08.1	M00001629B:B08	39066
3008	2/24/98	669	RTA00000410F.b.10.1	M00001633C:B09	74504
3009	2/24/98	725	RTA00000410F.b.07.1	M00001633C:A05	78916
3010	2/24/98	423	RTA00000410F.a.16.1	M00001633A:E06	73548
3011	2/24/98	695	RTA00000418F.j.15.1	M00001632C:H07	74855

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3012	2/24/98	901	RTA00000418F.j.14.1	M00001632C:B10	32623
3013	2/24/98	752	RTA00000410F.a.08.1	M00001632A:B10	73324
3014	2/24/98	1007	RTA00000404F.a.01.1	M00001589B:B08	19251
3015	2/24/98	1093	RTA00000340F.i.15.1	M00001629C:E07	26815
3016	2/24/98	664	RTA00000404F.a.09.1	M00001589C:E06	38985
3017	2/24/98	1246	RTA00000418F.j.11.1	M00001626C:E04	73853
3018	2/24/98	174	RTA00000404F.b.02.1	M00001591B:B12	38984
3019	2/24/98	1142	RTA00000418F.i.06.1	M00001591B:B06	75151
3020	2/24/98	740	RTA00000399F.l.19.1	M00001590D:G07	40145
3021	2/24/98	1098	RTA00000409F.d.16.1	M00001590C:F10	76090
3022	2/24/98	591	RTA00000409F.a.16.1	M00001583A:A05	73990
3023	2/24/98	1110	RTA00000404F.j.24.1	M00001631D:G05	39067
3024	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3024	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3024	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3025	1/28/98	68	RTA00000184F.k.19.1	M00001558B:D08	8022
3025	1/28/98	63	RTA00000184AF.k.19.1	M00001558B:D08	8022
3026	1/28/98	269	RTA00000183AF.k.13.1	M00001534B:C12	0
3027	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3027	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3027	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3028	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3028	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3028	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3029	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3029	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3029	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3030	1/28/98	34	RTA00000197AF.n.8.1	M00001536D:A12	4101
3031	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3031	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3031	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3032	1/28/98	106	RTA00000197AF.n.21.1	M00001540B:C09	0
3033	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3033	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3033	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3034	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3034	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3034	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3035	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3035	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3035	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3036	1/28/98	233	RTA00000197AF.l.8.1	M00001511B:C06	39954
3037	1/28/98	323	RTA00000182AF.m.21.1	M00001490C:C12	18699
3038	1/28/98	223	RTA00000197F.i.9.1	M00001488D:C10	0
3039	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3039	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3039	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3040	1/28/98	352	RTA00000197AF.p.3.1	M00001550A:A03	7239
3041	1/28/98	301	RTA00000181AR.i.19.3	M00001452C:B06	16970
3041	1/28/98	295	RTA00000181AR.i.19.2	M00001452C:B06	16970

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3042	1/28/98	68	RTA00000184F.k.19.1	M00001558B:D08	8022
3042	1/28/98	63	RTA00000184AF.k.19.1	M00001558B:D08	8022
3043	1/28/98	63	RTA00000184AF.k.19.1	M00001558B:D08	8022
3043	1/28/98	68	RTA00000184F.k.19.1	M00001558B:D08	8022
3044	1/28/98	41	RTA00000184F.k.12.1	M00001557D:D09	8761
3045	1/28/98	150	RTA00000184F.k.09.1	M00001557C:H07	7065
3046	1/28/98	82	RTA00000183AF.l.18.1	M00001535D:C01	3484
3047	1/28/98	338	RTA00000184AF.i.1.1	M00001554B:C07	0
3048	1/28/98	327	RTA00000182AF.i.1.3	M00001479B:A01	7033
3049	1/28/98	256	RTA00000184AR.e.15.1	M00001549C:E06	16347
3050	1/28/98	99	RTA00000184AF.d.8.1	M00001548A:A08	4393
3051	1/28/98	355	RTA00000184AR.b.24.1	M00001546B:C05	5777
3052	1/28/98	322	RTA00000184AR.b.21.1	M00001546B:B02	39788
3053	1/28/98	97	RTA00000197AF.o.2.1	M00001541C:B07	5739
3054	1/28/98	313	RTA00000183AF.o.11.1	M00001540D:D02	0
3055	1/28/98	42	RTA00000184F.j.21.1	M00001557A:D02	7065
3056	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3056	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3056	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3057	1/28/98	134	RTA00000197F.e.11.1	M00001454B:G03	2306
3057	1/28/98	298	RTA00000197AR.e.11.1	M00001454B:G03	2306
3058	1/28/98	134	RTA00000197F.e.11.1	M00001454B:G03	2306
3058	1/28/98	298	RTA00000197AR.e.11.1	M00001454B:G03	2306
3059	1/28/98	134	RTA00000197F.e.11.1	M00001454B:G03	2306
3059	1/28/98	298	RTA00000197AR.e.11.1	M00001454B:G03	2306
3060	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3060	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3060	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3061	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3061	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3061	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3062	1/28/98	159	RTA00000182AF.l.12.1	M00001487A:A05	1027
3063	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3063	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3063	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3064	1/28/98	341	RTA00000181AF.l.06.2	M00001454C:C08	0
3065	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3065	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3065	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3066	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3066	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3066	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3067	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3067	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3067	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3068	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3068	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3068	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3069	1/28/98	170	RTA00000197AF.d.23.1	M00001453A:E11	16130
3070	1/28/98	491	RTA00000196F.k.11.1	M00001399C:H12	3

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3071	1/28/98	119	RTA00000181AR.k.24.2	M00001454B:C12	7005
3071	1/28/98	378	RTA00000181AF.k.24.3	M00001454B:C12	7005
3071	1/28/98	116	RTA00000181AR.k.24.3	M00001454B:C12	7005
3072	1/28/98	674	RTA00000197AR.e.24.1	M00001456B:F10	39250
3072	1/28/98	3	RTA00000197AF.e.24.1	M00001456B:F10	39250
3073	2/24/98	78	RTA00000195AF.b.13.1	M00001560D:A03	12605
3073	1/28/98	59	RTA00000195AF.b.13.1	M00001560D:A03	12605
3074	1/28/98	189	RTA00000197AF.h.10.1	M00001476B:F10	15554
3075	1/28/98	46	RTA00000182AF.f.13.1	M00001470C:B10	8010
3076	1/28/98	200	RTA00000182AF.f.2.1	M00001469D:D02	4794
3077	1/28/98	325	RTA00000182AF.d.18.4	M00001467D:H05	37435
3078	1/28/98	45	RTA00000197AR.f.12.1	M00001458C:E01	3513
3079	1/28/98	298	RTA00000197AR.e.11.1	M00001454B:G03	2306
3079	1/28/98	134	RTA00000197F.e.11.1	M00001454B:G03	2306
3080	1/28/98	37	RTA00000181AF.n.15.2	M00001457A:B07	86128
3081	1/28/98	7	RTA00000197AR.e.12.1	M00001454B:G07	22095
3082	1/28/98	674	RTA00000197AR.e.24.1	M00001456B:F10	39250
3082	1/28/98	3	RTA00000197AF.e.24.1	M00001456B:F10	39250
3083	1/28/98	88	RTA00000197AF.e.23.1	M00001456B:C09	37157
3084	1/28/98	243	RTA00000181AF.m.15.3	M00001455D:A11	12081
3085	1/28/98	326	RTA00000197AR.e.19.1	M00001455D:A09	8047
3086	1/28/98	293	RTA00000197AF.e.13.1	M00001454C:F02	662
3087	1/28/98	380	RTA00000182AF.k.24.1	M00001485D:B10	5625
3088	1/28/98	206	RTA00000181AF.o.04.2	M00001457C:C12	22205
3089	1/28/98	228	RTA00000187AR.h.15.2	M00001679A:A06	6660
3090	1/28/98	68	RTA00000184F.k.19.1	M00001558B:D08	8022
3090	1/28/98	63	RTA00000184AF.k.19.1	M00001558B:D08	8022
3091	1/28/98	191	RTA00000187AF.p.23.1	M00003748B:F02	39804
3092	1/28/98	10	RTA00000198AF.n.16.1	M00001694C:I10	3721
3093	1/28/98	219	RTA00000198AF.m.19.1	M00001680D:D02	40041
3093	1/28/98	32	RTA00000198R.m.19.1	M00001680D:D02	40041
3094	1/28/98	32	RTA00000198R.m.19.1	M00001680D:D02	40041
3094	1/28/98	219	RTA00000198AF.m.19.1	M00001680D:D02	40041
3095	1/28/98	317	RTA00000198AF.p.09.1	M00003761D:E02	10473
3095	1/28/98	186	RTA00000198R.p.09.1	M00003761D:E02	10473
3096	1/28/98	219	RTA00000198AF.m.19.1	M00001680D:D02	40041
3096	1/28/98	32	RTA00000198R.m.19.1	M00001680D:D02	40041
3097	1/28/98	64	RTA00000198AF.p.12.1	M00003763D:E10	8878
3097	1/28/98	542	RTA00000198R.p.12.1	M00003763D:E10	8878
3098	1/28/98	364	RTA00000187AF.g.13.1	M00001676C:C11	2991
3099	1/28/98	430	RTA00000198R.k.23.1	M00001661B:C08	8995
3099	1/28/98	294	RTA00000198AF.k.23.1	M00001661B:C08	8995
3100	1/28/98	430	RTA00000198R.k.23.1	M00001661B:C08	8995
3100	1/28/98	294	RTA00000198AF.k.23.1	M00001661B:C08	8995
3101	1/28/98	57	RTA00000198AF.k.20.1	M00001660C:B12	22553
3102	1/28/98	368	RTA00000198AF.k.18.1	M00001660A:C12	17432
3103	1/28/98	247	RTA00000198AF.k.08.1	M00001656C:G08	17436
3104	1/28/98	219	RTA00000198AF.m.19.1	M00001680D:D02	40041
3104	1/28/98	32	RTA00000198R.m.19.1	M00001680D:D02	40041
3105	1/28/98	199	RTA00000199R.c.09.1	M00003800A:C09	16824

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3105	1/28/98	66	RTA00000199F.c.09.2	M00003800A:C09	16824
3106	1/28/98	225	RTA00000189AF.b.5.1	M00003828A:E04	3784
3107	1/28/98	5	RTA00000195R.c.11.1	M00003811A:E03	66087
3108	1/28/98	284	RTA00000199F.d.10.2	M00003808C:B05	22049
3108	2/24/98	816	RTA00000354R.n.04.1	M00003808C:B05	22049
3109	1/28/98	284	RTA00000199F.d.10.2	M00003808C:B05	22049
3109	2/24/98	816	RTA00000354R.n.04.1	M00003808C:B05	22049
3110	1/28/98	2	RTA00000188AF.n.15.1	M00003804A:H04	0
3111	1/28/98	317	RTA00000198AF.p.09.1	M00003761D:E02	10473
3111	1/28/98	186	RTA00000198R.p.09.1	M00003761D:E02	10473
3112	1/28/98	199	RTA00000199R.c.09.1	M00003800A:C09	16824
3112	1/28/98	66	RTA00000199F.c.09.2	M00003800A:C09	16824
3113	1/28/98	487	RTA00000198F.i.8.1	M00001639A:F10	9807
3113	1/28/98	277	RTA00000198AR.i.08.1	M00001639A:F10	9807
3114	1/28/98	66	RTA00000199F.c.09.2	M00003800A:C09	16824
3114	1/28/98	199	RTA00000199R.c.09.1	M00003800A:C09	16824
3115	1/28/98	224	RTA00000188AF.m.11.1	M00003799A:D09	0
3116	1/28/98	58	RTA00000199F.b.01.2	M00003778A:D08	19118
3117	1/28/98	216	RTA00000188AF.g.9.1	M00003774B:B08	4959
3118	1/28/98	201	RTA00000198AF.p.18.1	M00003769B:D03	23081
3119	1/28/98	542	RTA00000198R.p.12.1	M00003763D:E10	8878
3119	1/28/98	64	RTA00000198AF.p.12.1	M00003763D:E10	8878
3120	1/28/98	199	RTA00000199R.c.09.1	M00003800A:C09	16824
3120	1/28/98	66	RTA00000199F.c.09.2	M00003800A:C09	16824
3121	1/28/98	146	RTA00000185AF.a.19.2	M00001571C:H06	5749
3122	1/28/98	248	RTA00000198R.c.14.1	M00001578D:C04	39814
3122	2/24/98	778	RTA00000347F.e.05.1	M00001578D:C04	39814
3123	1/28/98	248	RTA00000198R.c.14.1	M00001578D:C04	39814
3123	2/24/98	778	RTA00000347F.e.05.1	M00001578D:C04	39814
3124	1/28/98	147	RTA00000185AF.c.24.2	M00001578B:E04	23001
3125	1/28/98	195	RTA00000198AF.c.10.1	M00001577B:H02	77149
3126	1/28/98	171	RTA00000198R.c.07.1	M00001575D:G05	19181
3126	1/28/98	525	RTA00000198AF.c.7.1	M00001575D:G05	19181
3127	1/28/98	172	RTA00000186AF.p.09.2	M00001655C:E04	6879
3128	1/28/98	230	RTA00000185AR.b.18.1	M00001575B:C09	12171
3129	1/28/98	192	RTA00000185AF.m.7.1	M00001605C:D12	39804
3130	1/28/98	19	RTA00000185AF.a.8.1	M00001570D:A03	4868
3131	1/28/98	492	RTA00000198AF.b.8.1	M00001567C:H12	22636
3131	1/28/98	23	RTA00000198R.b.08.1	M00001567C:H12	22636
3132	1/28/98	23	RTA00000198R.b.08.1	M00001567C:H12	22636
3132	1/28/98	492	RTA00000198AF.b.8.1	M00001567C:H12	22636
3133	1/28/98	357	RTA00000184AF.o.15.1	M00001564D:C09	0
3134	1/28/98	30	RTA00000184AR.n.07.2	M00001561C:F06	0
3135	1/28/98	59	RTA00000195AF.b.13.1	M00001560D:A03	12605
3135	2/24/98	78	RTA00000195AF.b.13.1	M00001560D:A03	12605
3136	1/28/98	525	RTA00000198AF.c.7.1	M00001575D:G05	19181
3136	1/28/98	171	RTA00000198R.c.07.1	M00001575D:G05	19181
3137	1/28/98	303	RTA00000186AR.e.03.3	M00001623D:C10	22110
3138	1/28/98	295	RTA00000181AR.i.19.2	M00001452C:B06	16970
3138	1/28/98	301	RTA00000181AR.i.19.3	M00001452C:B06	16970

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3139	1/28/98	232	RTA00000186AF.j.03.2	M00001638A:E07	0
3140	1/28/98	309	RTA00000198AF.h.12.1	M00001632C:A02	9503
3141	1/28/98	268	RTA00000186AF.h.01.2	M00001632A:F12	0
3142	1/28/98	267	RTA00000186AF.g.11.2	M00001630B:H09	5214
3143	1/28/98	83	RTA00000186AF.f.24.2	M00001629B:E06	0
3143	1/28/98	336	RTA00000186AF.f.24.1	M00001629B:E06	0
3144	1/28/98	222	RTA00000185AF.i.4.1	M00001594A:B12	13942
3145	1/28/98	217	RTA00000198AF.h.3.1	M00001625D:C07	22562
3146	1/28/98	196	RTA00000198F.e.10.1	M00001599B:E09	9727
3147	1/28/98	372	RTA00000186AF.d.23.1	M00001623B:G07	22187
3148	1/28/98	302	RTA00000186AF.d.1.2	M00001621C:C08	40044
3149	1/28/98	262	RTA00000186AF.c.17.1	M00001619D:G05	8551
3150	1/28/98	358	RTA00000198AF.g.7.1	M00001616C:C09	13386
3151	1/28/98	166	RTA00000198AF.f.21.1	M00001614D:D09	22676
3152	1/28/98	277	RTA00000198AR.i.08.1	M00001639A:F10	9807
3152	1/28/98	487	RTA00000198F.i.8.1	M00001639A:F10	9807
3153	1/28/98	336	RTA00000186AF.f.24.1	M00001629B:E06	0
3153	1/28/98	83	RTA00000186AF.f.24.2	M00001629B:E06	0
3154	1/28/98	352	RTA00000197AF.p.3.1	M00001550A:A03	7239
3155	1/28/98	251	RTA00000192AF.n.13.1	M00004197D:H01	8210
3156	1/28/98	41	RTA00000184F.k.12.1	M00001557D:D09	8761
3157	1/28/98	731	RTA00000184F.k.02.1	M00001557B:H10	5192
3158	1/28/98	42	RTA00000184F.j.21.1	M00001557A:D02	7065
3159	1/28/98	42	RTA00000184F.j.21.1	M00001557A:D02	7065
3160	1/28/98	302	RTA00000186AF.d.1.2	M00001621C:C08	40044
3161	1/28/98	560	RTA00000184AF.i.23.3	M00001556A:F11	1577
3162	1/28/98	558	RTA00000186AR.h.14.1	M00001632D:H07	0
3163	1/28/98	256	RTA00000184AR.e.15.1	M00001549C:E06	16347
3164	1/28/98	682	RTA00000125A.j.16.1	M00001544A:E06	0
3165	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3165	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3165	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3166	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3166	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3166	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3167	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3167	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3167	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3168	2/24/98	531	RTA00000345F.n.12.1	M00001528A:C04	7337
3169	1/28/98	324	RTA00000184F.j.06.1	M00001556B:G02	11294
3170	2/24/98	604	RTA00000351R.c.13.1	M00003747D:C05	11476
3171	1/28/98	301	RTA00000181AR.i.19.3	M00001452C:B06	16970
3171	1/28/98	295	RTA00000181AR.i.19.2	M00001452C:B06	16970
3172	1/28/98	231	RTA00000192AF.l.13.2	M00004185C:C03	11443
3173	1/28/98	634	RTA00000192AF.j.6.1	M00004172C:D08	11494
3174	1/28/98	165	RTA00000192AF.g.23.1	M00004157C:A09	6455
3175	1/28/98	574	RTA00000192AF.f.3.1	M00004146C:C11	5257
3176	1/28/98	146	RTA00000185AF.a.19.2	M00001571C:H06	5749
3177	1/28/98	651	RTA00000189AR.d.22.2	M00003844C:B11	6539
3178	1/28/98	161	RTA00000183AF.e.23.2	M00001506D:A09	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3179	1/28/98	475	RTA00000187AR.m.3.3	M00001682C:B12	17055
3180	2/24/98	39	RTA00000187AF.l.7.1	M00001680D:F08	10539
3181	1/28/98	228	RTA00000187AR.h.15.2	M00001679A:A06	6660
3182	2/24/98	465	RTA00000350R.p.18.1	M00001676B:F05	11460
3183	1/28/98	575	RTA00000186AF.l.12.2	M00001645A:C12	19267
3184	2/24/98	700	RTA00000350R.m.14.1	M00001644C:B07	39171
3185	1/28/98	261	RTA00000192AF.a.24.1	M00004114C:F11	13183
3186	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3186	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3186	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3187	1/28/98	398	RTA00000177AR.l.13.3	M00001353A:G12	8078
3188	1/28/98	645	RTA00000177AF.k.9.1	M00001352A:E02	16245
3189	1/28/98	283	RTA00000177AF.i.8.4	M00001350A:H01	7187
3190	1/28/98	361	RTA00000177AR.g.16.4	M00001347A:B10	13576
3191	1/28/98	680	RTA00000177AF.f.10.1	M00001345A:E01	6420
3192	1/28/98	632	RTA00000183AR.g.03.1	M00001512D:G09	3956
3192	1/28/98	630	RTA00000183AR.g.03.2	M00001512D:G09	3956
3193	1/28/98	702	RTA00000177AR.b.8.5	M00001340B:A06	17062
3194	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3194	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3194	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3195	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3195	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3195	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3196	1/28/98	129	RTA00000134A.d.10.1	M00001528A:F09	18957
3196	1/28/98	236	RTA00000183AR.h.23.1	M00001528A:F09	18957
3196	1/28/98	108	RTA00000183AR.h.23.2	M00001528A:F09	18957
3197	1/28/98	435	RTA00000182AR.c.22.1	M00001467A:D08	16283
3198	1/28/98	635	RTA00000181AF.p.7.3	M00001460A:E01	38773
3199	1/28/98	362	RTA00000197AR.c.24.1	M00001450A:B12	82498
3200	2/24/98	442	RTA00000347F.b.02.1	M00001450A:A02	39304
3201	1/28/98	265	RTA00000177AF.e.14.1	M00001343D:H07	23255
3202	1/28/98	270	RTA00000178R.l.08.1	M00001383A:C03	39648
3203	1/28/98	472	RTA00000192AF.p.17.1	M00004214C:H05	11451
3204	1/28/98	603	RTA00000183AR.d.11.3	M00001504D:G06	6420
3205	1/28/98	519	RTA00000183AF.a.24.2	M00001499B:A11	10539
3206	1/28/98	435	RTA00000182AR.c.22.1	M00001467A:D08	16283
3207	2/24/98	158	RTA00000348R.j.16.1	M00001410A:D07	7005
3208	1/28/98	411	RTA00000179AF.j.13.3	M00001400B:H06	0
3209	1/28/98	742	RTA00000177AF.m.1.1	M00001353D:D10	14929
3210	1/28/98	270	RTA00000178R.l.08.1	M00001383A:C03	39648
3211	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3211	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3211	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3212	1/28/98	297	RTA00000178AF.f.9.3	M00001371C:E09	7172
3213	1/28/98	33	RTA00000178AR.a.20.1	M00001362C:H11	945
3213	2/24/98	979	RTA00000345F.b.17.1	M00001362C:H11	945
3214	1/28/98	33	RTA00000178AR.a.20.1	M00001362C:H11	945
3214	2/24/98	979	RTA00000345F.b.17.1	M00001362C:H11	945
3215	1/28/98	466	RTA00000177AF.p.20.1	M00001361A:A05	4141

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3216	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3216	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3216	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3217	1/28/98	632	RTA00000183AR.g.03.1	M00001512D:G09	3956
3217	1/28/98	630	RTA00000183AR.g.03.2	M00001512D:G09	3956
3218	1/28/98	391	RTA00000179AF.e.20.3	M00001396A:C03	4009
3219	1/28/98	370	RTA00000179AF.c.15.3	M00001392D:H06	2995
3219	1/28/98	460	RTA00000179AF.c.15.1	M00001392D:H06	2995
3220	1/28/98	47	RTA00000192AF.m.12.1	M00004191D:B11	0
3221	1/28/98	438	RTA00000180AR.g.03.4	M00001425A:C11	9024
3221	1/28/98	95	RTA00000180AF.g.3.1	M00001425A:C11	9024
3222	1/28/98	438	RTA00000180AR.g.03.4	M00001425A:C11	9024
3222	1/28/98	95	RTA00000180AF.g.3.1	M00001425A:C11	9024
3223	1/28/98	320	RTA00000196AF.m.13.1	M00001415B:E09	16290
3224	1/28/98	365	RTA00000196F.l.20.2	M00001410B:G05	22678
3225	1/28/98	80	RTA00000196AF.p.13.2	M00001432A:E06	6125
3226	1/28/98	179	RTA00000179AF.f.20.3	M00001397B:B09	16154
3227	1/28/98	379	RTA00000180AF.l.06.2	M00001433A:G07	5625
3228	1/28/98	460	RTA00000179AF.c.15.1	M00001392D:H06	2995
3228	1/28/98	370	RTA00000179AF.c.15.3	M00001392D:H06	2995
3229	1/28/98	107	RTA00000196R.i.13.1	M00001390A:A09	9857
3230	1/28/98	120	RTA00000178AR.m.19.5	M00001384D:H07	0
3230	1/28/98	377	RTA00000178AF.m.19.1	M00001384D:H07	0
3231	1/28/98	120	RTA00000178AR.m.19.5	M00001384D:H07	0
3231	1/28/98	377	RTA00000178AF.m.19.1	M00001384D:H07	0
3232	1/28/98	384	RTA00000196AF.h.17.1	M00001384C:F12	39215
3233	1/28/98	182	RTA00000196AF.h.16.1	M00001384C:E03	39895
3234	1/28/98	105	RTA00000179AF.g.12.3	M00001398A:G03	36390
3235	1/28/98	252	RTA00000181AF.e.18.3	M00001448D:C09	8
3235	1/28/98	253	RTA00000181AF.e.17.3	M00001448D:C09	8
3236	1/28/98	301	RTA00000181AR.i.19.3	M00001452C:B06	16970
3236	1/28/98	295	RTA00000181AR.i.19.2	M00001452C:B06	16970
3237	1/28/98	288	RTA00000181AR.i.06.3	M00001452A:C07	19119
3237	2/24/98	198	RTA00000339R.l.14.1	M00001452A:C07	19119
3238	1/28/98	288	RTA00000181AR.i.06.3	M00001452A:C07	19119
3238	2/24/98	198	RTA00000339R.l.14.1	M00001452A:C07	19119
3239	1/28/98	109	RTA00000197AF.d.12.1	M00001451D:C10	39546
3240	1/28/98	149	RTA00000181AR.h.06.3	M00001450D:D04	87226
3241	1/28/98	75	RTA00000180AR.h.19.2	M00001428A:H10	84182
3242	1/28/98	21	RTA00000131A.g.19.2	M00001449A:G10	36535
3243	1/28/98	308	RTA00000178AF.j.20.1	M00001380C:E05	15066
3244	1/28/98	253	RTA00000181AF.e.17.3	M00001448D:C09	8
3244	1/28/98	252	RTA00000181AF.e.18.3	M00001448D:C09	8
3245	1/28/98	252	RTA00000181AF.e.18.3	M00001448D:C09	8
3245	1/28/98	253	RTA00000181AF.e.17.3	M00001448D:C09	8
3246	1/28/98	253	RTA00000181AF.e.17.3	M00001448D:C09	8
3246	1/28/98	252	RTA00000181AF.e.18.3	M00001448D:C09	8
3247	1/28/98	136	RTA00000197AF.c.10.1	M00001448B:F06	10400
3248	1/28/98	177	RTA00000197AF.c.3.1	M00001447C:C01	3145
3249	1/28/98	204	RTA00000180AR.o.5.2	M00001437D:C04	7848

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3250	1/28/98	362	RTA00000197AR.c.24.1	M00001450A:B12	82498
3251	1/28/98	81	RTA00000196AF.b.15.1	M00001347B:E01	5102
3252	1/28/98	342	RTA00000196AF.d.10.1	M00001354C:B06	22256
3253	1/28/98	113	RTA00000196AF.d.09.1	M00001354B:B10	16934
3254	1/28/98	463	RTA00000177AR.k.23.4	M00001352D:D02	35550
3254	1/28/98	168	RTA00000177AR.k.23.1	M00001352D:D02	35550
3255	1/28/98	463	RTA00000177AR.k.23.4	M00001352D:D02	35550
3255	1/28/98	168	RTA00000177AR.k.23.1	M00001352D:D02	35550
3256	1/28/98	135	RTA00000196AF.c.22.1	M00001352D:C05	22548
3257	1/28/98	270	RTA00000178R.l.08.1	M00001383A:C03	39648
3258	1/28/98	359	RTA00000196AF.b.17.1	M00001348A:D04	12193
3259	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3259	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3259	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3260	1/28/98	361	RTA00000177AR.g.16.4	M00001347A:B10	13576
3261	1/28/98	265	RTA00000177AF.e.14.1	M00001343D:H07	23255
3262	1/28/98	56	RTA00000177AF.e.9.1	M00001343D:C04	37442
3263	1/28/98	48	RTA00000177AR.a.23.5	M00001339D:G02	6995
3264	2/24/98	308	RTA00000353R.d.11.1	M00004692A:H08	0
3265	1/28/98	164	RTA00000193AR.i.14.4	M00004307C:A06	9457
3266	1/28/98	283	RTA00000177AF.i.8.4	M00001350A:H01	7187
3267	1/28/98	15	RTA00000177AR.n.8.1	M00001356D:F06	4188
3267	1/28/98	89	RTA00000177AF.n.8.3	M00001356D:F06	4188
3268	1/28/98	383	RTA00000199F.f.20.2	M00003847B:G03	0
3269	1/28/98	132	RTA00000178AF.f.20.3	M00001372C:F07	39881
3270	1/28/98	296	RTA00000196AF.f.20.1	M00001371D:G01	22774
3271	1/28/98	297	RTA00000178AF.f.9.3	M00001371C:E09	7172
3272	1/28/98	240	RTA00000178AF.e.1.1	M00001369A:H12	2664
3273	1/28/98	10	RTA00000196AF.e.16.1	M00001363C:H02	39252
3274	1/28/98	112	RTA00000177AF.m.8.1	M00001354C:C10	8010
3275	1/28/98	154	RTA00000196F.e.7.1	M00001360D:E11	1039
3276	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3276	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3276	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3277	1/28/98	89	RTA00000177AF.n.8.3	M00001356D:F06	4188
3277	1/28/98	15	RTA00000177AR.n.8.1	M00001356D:F06	4188
3278	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3278	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3278	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3279	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3279	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3279	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3280	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3280	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3280	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3281	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3281	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3281	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3282	1/28/98	169	RTA00000196AF.g.24.1	M00001380C:F02	8685
3283	1/28/98	363	RTA00000196AF.e.14.1	M00001362C:A10	12850

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3284	1/28/98	92	RTA00000198AF.j.18.1	M00001653B:G07	22759
3284	1/28/98	433	RTA00000198R.j.18.1	M00001653B:G07	22759
3285	1/28/98	537	RTA00000188AF.g.14.1	M00003774C:D02	0
3286	1/28/98	434	RTA00000187AR.d.2.2	M00001664C:H10	4892
3287	1/28/98	703	RTA00000198F.l.09.1	M00001664B:D06	3611
3288	1/28/98	430	RTA00000198R.k.23.1	M00001661B:C08	8995
3288	1/28/98	294	RTA00000198AF.k.23.1	M00001661B:C08	8995
3289	1/28/98	294	RTA00000198AF.k.23.1	M00001661B:C08	8995
3289	1/28/98	430	RTA00000198R.k.23.1	M00001661B:C08	8995
3290	1/28/98	754	RTA00000187AF.l.11.1	M00001681A:F03	4482
3291	1/28/98	732	RTA00000186AF.p.01.2	M00001654D:G11	40440
3292	1/28/98	475	RTA00000187AR.m.3.3	M00001682C:B12	17055
3293	1/28/98	433	RTA00000198R.j.18.1	M00001653B:G07	22759
3293	1/28/98	92	RTA00000198AF.j.18.1	M00001653B:G07	22759
3294	1/28/98	555	RTA00000198AF.j.08.1	M00001651B:A11	10983
3295	1/28/98	399	RTA00000186AF.m.15.2	M00001649C:B10	40122
3296	1/28/98	575	RTA00000186AF.l.12.2	M00001645A:C12	19267
3297	1/28/98	666	RTA00000198F.i.10.1	M00001640B:F03	12792
3298	1/28/98	654	RTA00000186AF.j.21.2	M00001639D:B07	22506
3299	1/28/98	670	RTA00000186AF.p.17.3	M00001656B:A07	38383
3300	1/28/98	393	RTA00000188AF.b.14.1	M00003754D:D02	0
3301	1/28/98	422	RTA00000189AF.b.12.1	M00003829B:G03	17233
3301	1/28/98	210	RTA00000189AR.b.12.1	M00003829B:G03	17233
3302	1/28/98	587	RTA00000199F.a.3.1	M00003772D:E10	16617
3303	1/28/98	394	RTA00000198AF.p.22.1	M00003771A:G10	0
3304	1/28/98	542	RTA00000198R.p.12.1	M00003763D:E10	8878
3304	1/28/98	64	RTA00000198AF.p.12.1	M00003763D:E10	8878
3305	1/28/98	64	RTA00000198AF.p.12.1	M00003763D:E10	8878
3305	1/28/98	542	RTA00000198R.p.12.1	M00003763D:E10	8878
3306	1/28/98	465	RTA00000187AF.k.20.1	M00001680B:C01	3648
3307	1/28/98	423	RTA00000188AR.b.17.1	M00003755A:B03	10662
3308	1/28/98	711	RTA00000198F.i.2.1	M00001637B:E07	8076
3309	1/28/98	497	RTA00000198AF.o.09.1	M00003751B:A05	4310
3309	1/28/98	506	RTA00000198R.o.09.1	M00003751B:A05	4310
3310	1/28/98	506	RTA00000198R.o.09.1	M00003751B:A05	4310
3310	1/28/98	497	RTA00000198AF.o.09.1	M00003751B:A05	4310
3311	1/28/98	432	RTA00000198AF.o.05.1	M00003750A:D01	26702
3311	1/28/98	49	RTA00000198R.o.05.1	M00003750A:D01	26702
3312	1/28/98	49	RTA00000198R.o.05.1	M00003750A:D01	26702
3312	1/28/98	432	RTA00000198AF.o.05.1	M00003750A:D01	26702
3313	1/28/98	585	RTA00000198AF.n.18.1	M00001771A:A07	16715
3314	1/28/98	527	RTA00000198R.m.23.1	M00001684B:G03	38469
3315	1/28/98	471	RTA00000188AF.e.2.1	M00003763B:H01	0
3316	1/28/98	171	RTA00000198R.c.07.1	M00001575D:G05	19181
3316	1/28/98	525	RTA00000198AF.c.7.1	M00001575D:G05	19181
3317	1/28/98	557	RTA00000198AF.d.9.1	M00001587D:A10	8841
3318	1/28/98	523	RTA00000198AF.d.4.1	M00001586D:E02	22435
3319	1/28/98	441	RTA00000185AF.e.6.1	M00001583B:E10	0
3320	1/28/98	439	RTA00000185AF.d.14.2	M00001579D:G07	8071
3321	1/28/98	561	RTA00000185AR.d.10.1	M00001579C:H10	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3322	1/28/98	277	RTA00000198AR.i.08.1	M00001639A:F10	9807
3322	1/28/98	487	RTA00000198F.i.8.1	M00001639A:F10	9807
3323	1/28/98	525	RTA00000198AF.c.7.1	M00001575D:G05	19181
3323	1/28/98	171	RTA00000198R.c.07.1	M00001575D:G05	19181
3324	2/24/98	317	RTA00000195AF.b.21.1	M00001595B:A09	39055
3324	1/28/98	602	RTA00000195AF.b.21.1	M00001595B:A09	39055
3325	1/28/98	507	RTA00000198AF.c.5.1	M00001573D:F10	53802
3326	1/28/98	414	RTA00000185AR.b.15.1	M00001573D:F04	39813
3326	1/28/98	428	RTA00000185AF.b.15.2	M00001573D:F04	39813
3327	1/28/98	428	RTA00000185AF.b.15.2	M00001573D:F04	39813
3327	1/28/98	414	RTA00000185AR.b.15.1	M00001573D:F04	39813
3328	1/28/98	414	RTA00000185AR.b.15.1	M00001573D:F04	39813
3328	1/28/98	428	RTA00000185AF.b.15.2	M00001573D:F04	39813
3329	1/28/98	428	RTA00000185AF.b.15.2	M00001573D:F04	39813
3329	1/28/98	414	RTA00000185AR.b.15.1	M00001573D:F04	39813
3330	1/28/98	392	RTA00000185AF.b.11.2	M00001573C:D03	9024
3331	1/28/98	549	RTA00000198AF.c.16.1	M00001579C:B11	26801
3332	1/28/98	628	RTA00000198AF.g.16.1	M00001621D:D03	6602
3333	1/28/98	616	RTA00000188AF.m.07.1	M00003798D:E03	23183
3334	1/28/98	489	RTA00000186AF.h.22.1	M00001634B:C10	16485
3335	1/28/98	655	RTA00000186AF.g.8.2	M00001630B:A11	8065
3336	1/28/98	592	RTA00000186AF.e.18.1	M00001624C:A06	0
3337	1/28/98	713	RTA00000198AF.g.21.1	M00001624A:F09	6273
3338	1/28/98	554	RTA00000186AR.e.07.4	M00001623D:G03	4175
3338	1/28/98	400	RTA00000186AR.e.07.3	M00001623D:G03	4175
3339	1/28/98	467	RTA00000195AF.b.19.1	M00001589A:D12	77678
3340	1/28/98	646	RTA00000186AF.d.24.1	M00001623C:H07	3114
3341	1/28/98	740	RTA00000198AF.d.15.1	M00001590C:H08	5997
3342	1/28/98	504	RTA00000198AF.g.2.1	M00001615C:D02	16640
3343	1/28/98	470	RTA00000198AF.f.16.1	M00001614A:E06	0
3344	1/28/98	388	RTA00000185AF.n.17.1	M00001609B:A11	5336
3345	1/28/98	495	RTA00000185AF.j.21.1	M00001597A:E12	0
3346	2/24/98	317	RTA00000195AF.b.21.1	M00001595B:A09	39055
3346	1/28/98	602	RTA00000195AF.b.21.1	M00001595B:A09	39055
3347	1/28/98	487	RTA00000198F.i.8.1	M00001639A:F10	9807
3347	1/28/98	277	RTA00000198AR.i.08.1	M00001639A:F10	9807
3348	1/28/98	554	RTA00000186AR.e.07.4	M00001623D:G03	4175
3348	1/28/98	400	RTA00000186AR.e.07.3	M00001623D:G03	4175
3349	1/28/98	699	RTA00000178AF.a.12.1	M00001362B:H06	0
3350	1/28/98	416	RTA00000199F.a.5.1	M00003773B:G01	22134
3351	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
3351	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
3351	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
3352	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
3352	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
3352	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
3353	1/28/98	522	RTA00000178AR.h.17.2	M00001376A:C05	23824
3353	2/24/98	1095	RTA00000345F.c.12.1	M00001376A:C05	23824
3354	1/28/98	522	RTA00000178AR.h.17.2	M00001376A:C05	23824
3354	2/24/98	1095	RTA00000345F.c.12.1	M00001376A:C05	23824

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3355	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
3355	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
3355	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
3356	1/28/98	566	RTA00000195F.a.4.1	M00001372C:G12	20470
3357	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
3357	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
3357	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
3358	1/28/98	605	RTA00000196F.e.9.1	M00001361A:H07	23300
3359	1/28/98	532	RTA00000177AF.o.4.1	M00001358C:C06	0
3360	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3360	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3360	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3361	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3361	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3361	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3362	1/28/98	337	RTA00000177AR.m.17.3	M00001355B:G10	14391
3362	1/28/98	493	RTA00000177AF.m.17.1	M00001355B:G10	14391
3362	1/28/98	330	RTA00000177AR.m.17.4	M00001355B:G10	14391
3363	1/28/98	742	RTA00000177AF.m.1.1	M00001353D:D10	14929
3364	1/28/98	547	RTA00000196AF.g.8.1	M00001375B:G12	39665
3365	1/28/98	510	RTA00000178AF.n.23.1	M00001387B:E02	3298
3366	1/28/98	606	RTA00000179AR.e.01.4	M00001395A:C09	2493
3367	2/24/98	1065	RTA00000195R.a.06.1	M00001394A:E04	35265
3367	1/28/98	595	RTA00000195R.a.06.1	M00001394A:E04	35265
3368	2/24/98	1065	RTA00000195R.a.06.1	M00001394A:E04	35265
3368	1/28/98	595	RTA00000195R.a.06.1	M00001394A:E04	35265
3369	1/28/98	370	RTA00000179AF.c.15.3	M00001392D:H06	2995
3369	1/28/98	460	RTA00000179AF.c.15.1	M00001392D:H06	2995
3370	1/28/98	370	RTA00000179AF.c.15.3	M00001392D:H06	2995
3370	1/28/98	460	RTA00000179AF.c.15.1	M00001392D:H06	2995
3371	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
3371	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
3371	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
3372	1/28/98	675	RTA00000179AR.b.21.3	M00001392C:D05	4366
3372	2/24/98	1264	RTA00000345F.e.13.1	M00001392C:D05	4366
3373	1/28/98	168	RTA00000177AR.k.23.1	M00001352D:D02	35550
3373	1/28/98	463	RTA00000177AR.k.23.4	M00001352D:D02	35550
3374	1/28/98	652	RTA00000178AR.m.21.4	M00001385A:F12	7861
3374	1/28/98	653	RTA00000178AR.m.21.5	M00001385A:F12	7861
3375	1/28/98	653	RTA00000178AR.m.21.5	M00001385A:F12	7861
3375	1/28/98	652	RTA00000178AR.m.21.4	M00001385A:F12	7861
3376	1/28/98	672	RTA00000196AF.h.09.1	M00001382B:F12	8015
3377	1/28/98	668	RTA00000178AF.i.17.1	M00001377C:E12	0
3378	1/28/98	746	RTA00000178AF.i.01.2	M00001376B:F03	4
3379	1/28/98	656	RTA00000178AR.h.22.3	M00001376B:A08	19230
3379	1/28/98	657	RTA00000178AR.h.22.2	M00001376B:A08	19230
3379	2/24/98	1137	RTA00000345F.d.03.1	M00001376B:A08	19230
3380	1/28/98	675	RTA00000179AR.b.21.3	M00001392C:D05	4366
3380	2/24/98	1264	RTA00000345F.e.13.1	M00001392C:D05	4366
3381	1/28/98	651	RTA00000189AR.d.22.2	M00003844C:B11	6539

SEQ.ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3382	1/28/98	444	RTA00000189AF.l.16.1	M00003879A:G05	0
3383	1/28/98	648	RTA00000199F.i.9.1	M00003878C:E04	7
3384	2/24/98	678	RTA00000195AF.c.24.1	M00003860D:H07	0
3384	1/28/98	412	RTA00000195AF.c.24.1	M00003860D:H07	0
3385	1/28/98	412	RTA00000195AF.c.24.1	M00003860D:H07	0
3385	2/24/98	678	RTA00000195AF.c.24.1	M00003860D:H07	0
3386	1/28/98	484	RTA00000199F.g.20.2	M00003860D:A01	15767
3387	1/28/98	398	RTA00000177AR.l.13.3	M00001353A:G12	8078
3388	1/28/98	556	RTA00000199F.f.17.2	M00003845D:B04	22905
3389	1/28/98	545	RTA00000196F.a.2.1	M00001338B:E02	3575
3390	1/28/98	406	RTA00000199F.f.09.2	M00003842B:D09	22907
3390	1/28/98	78	RTA00000199R.f.09.1	M00003842B:D09	22907
3391	1/28/98	78	RTA00000199R.f.09.1	M00003842B:D09	22907
3391	1/28/98	406	RTA00000199F.f.09.2	M00003842B:D09	22907
3392	1/28/98	692	RTA00000199F.e.4.1	M00003820B:C05	0
3393	1/28/98	458	RTA00000199R.d.16.1	M00003812C:A05	24191
3394	1/28/98	755	RTA00000199F.c.21.2	M00003803C:D09	5070
3395	1/28/98	505	RTA00000188AF.n.03.1	M00003801B:B10	9443
3396	1/28/98	714	RTA00000199R.g.07.1	M00003853D:D03	0
3397	1/28/98	724	RTA00000177AR.f.15.4	M00001345B:E10	9062
3398	1/28/98	623	RTA00000198R.b.24.1	M00001571D:B11	19047
3398	1/28/98	748	RTA00000198AF.b.24.1	M00001571D:B11	19047
3399	1/28/98	395	RTA00000196R.c.21.2	M00001352C:H10	0
3400	1/28/98	593	RTA00000196R.c.14.2	M00001352B:F04	23105
3400	1/28/98	485	RTA00000196AF.c.14.1	M00001352B:F04	23105
3401	1/28/98	485	RTA00000196AF.c.14.1	M00001352B:F04	23105
3401	1/28/98	593	RTA00000196R.c.14.2	M00001352B:F04	23105
3402	1/28/98	645	RTA00000177AF.k.9.1	M00001352A:E02	16245
3403	1/28/98	576	RTA00000196AF.c.7.1	M00001350B:G11	0
3404	1/28/98	737	RTA00000189AR.m.9.1	M00003880B:C08	2917
3405	1/28/98	728	RTA00000177AR.f.17.4	M00001345C:B01	8594
3406	1/28/98	453	RTA00000199AF.i.20.1	M00003881A:D09	9544
3407	1/28/98	440	RTA00000177AR.f.13.4	M00001345A:G11	10480
3408	1/28/98	680	RTA00000177AF.f.10.1	M00001345A:E01	6420
3409	1/28/98	573	RTA00000196AF.b.7.1	M00001344A:G07	7774
3410	1/28/98	402	RTA00000177AF.b.21.4	M00001341A:F12	4443
3411	1/28/98	702	RTA00000177AR.b.8.5	M00001340B:A06	17062
3412	1/28/98	463	RTA00000177AR.k.23.4	M00001352D:D02	35550
3412	1/28/98	168	RTA00000177AR.k.23.1	M00001352D:D02	35550
3413	1/28/98	600	RTA00000177AF.g.4.1	M00001346B:B07	4119
3414	1/28/98	280	RTA00000193AF.b.18.1	M00004233C:H09	7542
3415	1/28/98	748	RTA00000198AF.b.24.1	M00001571D:B11	19047
3415	1/28/98	623	RTA00000198R.b.24.1	M00001571D:B11	19047
3416	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
3416	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
3416	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
3417	1/28/98	282	RTA00000193AF.c.15.1	M00004248B:E08	3726
3418	1/28/98	307	RTA00000200F.n.05.2	M00004246C:A09	18989
3418	1/28/98	319	RTA00000200F.n.05.1	M00004246C:A09	18989
3419	1/28/98	319	RTA00000200F.n.05.1	M00004246C:A09	18989

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3419	1/28/98	307	RTA00000200F.n.05.2	M00004246C:A09	18989
3420	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
3420	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
3420	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
3421	1/28/98	307	RTA00000200F.n.05.2	M00004246C:A09	18989
3421	1/28/98	319	RTA00000200F.n.05.1	M00004246C:A09	18989
3422	1/28/98	50	RTA00000201R.a.02.1	M00004295B:D02	35362
3422	1/28/98	235	RTA00000201AF.a.02.1	M00004295B:D02	35362
3423	1/28/98	251	RTA00000192AF.n.13.1	M00004197D:H01	8210
3424	1/28/98	47	RTA00000192AF.m.12.1	M00004191D:B11	0
3425	1/28/98	494	RTA00000200AF.k.1.1	M00004188C:A09	40049
3425	1/28/98	194	RTA00000200R.k.01.1	M00004188C:A09	40049
3426	1/28/98	494	RTA00000200AF.k.1.1	M00004188C:A09	40049
3426	1/28/98	194	RTA00000200R.k.01.1	M00004188C:A09	40049
3427	1/28/98	231	RTA00000192AF.l.13.2	M00004185C:C03	11443
3428	1/28/98	382	RTA00000200AF.j.6.1	M00004176B:E08	22902
3429	1/28/98	307	RTA00000200F.n.05.2	M00004246C:A09	18989
3429	1/28/98	319	RTA00000200F.n.05.1	M00004246C:A09	18989
3430	1/28/98	52	RTA00000201R.b.02.1	M00004319D:G09	22660
3431	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3431	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3431	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3432	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3432	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3432	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3433	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3433	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3433	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3434	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3434	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3434	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3435	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3435	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3435	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3436	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
3436	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
3436	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
3437	1/28/98	273	RTA00000201F.c.08.1	M00004353C:H07	0
3438	1/28/98	328	RTA00000200AF.g.09.1	M00004131B:H09	22785
3438	1/28/98	26	RTA00000200R.g.09.1	M00004131B:H09	22785
3439	2/24/98	571	RTA00000355R.e.14.1	M00004314B:G07	16837
3439	1/28/98	343	RTA00000201F.a.18.1	M00004314B:G07	16837
3440	1/28/98	343	RTA00000201F.a.18.1	M00004314B:G07	16837
3440	2/24/98	571	RTA00000355R.e.14.1	M00004314B:G07	16837
3441	1/28/98	164	RTA00000193AR.i.14.4	M00004307C:A06	9457
3442	1/28/98	50	RTA00000201R.a.02.1	M00004295B:D02	35362
3442	1/28/98	235	RTA00000201AF.a.02.1	M00004295B:D02	35362
3443	1/28/98	235	RTA00000201AF.a.02.1	M00004295B:D02	35362
3443	1/28/98	50	RTA00000201R.a.02.1	M00004295B:D02	35362
3444	1/28/98	50	RTA00000201R.a.02.1	M00004295B:D02	35362

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3444	1/28/98	235	RTA00000201AF.a.02.1	M00004295B:D02	35362
3445	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3445	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3445	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3446	1/28/98	13	RTA00000190AF.i.5.1	M00003919A:A10	0
3447	1/28/98	72	RTA00000200F.a.6.1	M00004029B:F11	36952
3448	1/28/98	101	RTA00000191AF.d.08.2	M00003997B:G07	970
3449	1/28/98	79	RTA00000199AF.p.4.1	M00003985C:F01	10282
3450	1/28/98	121	RTA00000199AF.o.16.1	M00003979A:F03	16721
3451	1/28/98	193	RTA00000199AF.n.3.1	M00003946D:C11	0
3452	1/28/98	165	RTA00000192AF.g.23.1	M00004157C:A09	6455
3453	1/28/98	381	RTA00000199AF.m.14.1	M00003938A:B04	10580
3454	1/28/98	123	RTA00000191AF.k.6.1	M00004078B:A11	5451
3455	1/28/98	102	RTA00000199R.j.08.1	M00003884D:G07	37844
3456	1/28/98	86	RTA00000189AF.l.22.1	M00003879C:G10	33333
3457	1/28/98	148	RTA00000199F.h.17.2	M00003871A:A05	36254
3458	1/28/98	143	RTA00000199R.h.09.1	M00003867C:H09	76020
3459	1/28/98	266	RTA00000199F.f.21.2	M00003847C:E09	13344
3460	2/24/98	153	RTA00000422F.g.22.1	M00001585B:A06	22561
3461	1/28/98	292	RTA00000199AF.m.18.1	M00003939C:F04	0
3462	1/28/98	275	RTA00000191AF.o.17.2	M00004102A:H02	5957
3462	1/28/98	274	RTA00000191AF.o.17.1	M00004102A:H02	5957
3463	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3463	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3463	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3464	1/28/98	328	RTA00000200AF.g.09.1	M00004131B:H09	22785
3464	1/28/98	26	RTA00000200R.g.09.1	M00004131B:H09	22785
3465	1/28/98	214	RTA00000200AF.f.22.1	M00004121C:F06	16521
3466	1/28/98	160	RTA00000192AF.b.20.1	M00004118D:E08	0
3467	1/28/98	98	RTA00000200AF.f.14.1	M00004115D:C08	22051
3467	1/28/98	100	RTA00000200R.f.14.1	M00004115D:C08	22051
3468	1/28/98	98	RTA00000200AF.f.14.1	M00004115D:C08	22051
3468	1/28/98	100	RTA00000200R.f.14.1	M00004115D:C08	22051
3469	1/28/98	305	RTA00000200AF.b.15.1	M00004040D:F01	10627
3470	1/28/98	98	RTA00000200AF.f.14.1	M00004115D:C08	22051
3470	1/28/98	100	RTA00000200R.f.14.1	M00004115D:C08	22051
3471	1/28/98	29	RTA00000200AF.b.19.1	M00004042D:H02	22847
3472	1/28/98	274	RTA00000191AF.o.17.1	M00004102A:H02	5957
3472	1/28/98	275	RTA00000191AF.o.17.2	M00004102A:H02	5957
3473	1/28/98	274	RTA00000191AF.o.17.1	M00004102A:H02	5957
3473	1/28/98	275	RTA00000191AF.o.17.2	M00004102A:H02	5957
3474	1/28/98	275	RTA00000191AF.o.17.2	M00004102A:H02	5957
3474	1/28/98	274	RTA00000191AF.o.17.1	M00004102A:H02	5957
3475	1/28/98	226	RTA00000191AR.o.09.4	M00004096A:G02	0
3476	1/28/98	40	RTA00000200AR.e.02.1	M00004090A:F09	36059
3477	1/28/98	175	RTA00000200F.i.5.1	M00004156B:A12	22892
3478	1/28/98	98	RTA00000200AF.f.14.1	M00004115D:C08	22051
3478	1/28/98	100	RTA00000200R.f.14.1	M00004115D:C08	22051
3479	1/28/98	643	RTA00000184AF.c.9.1	M00001546C:G10	16245
3480	1/28/98	615	RTA00000197R.p.20.1	M00001554B:B07	22795

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3480	1/28/98	559	RTA00000197AF.p.20.1	M00001554B:B07	22795
3481	1/28/98	660	RTA00000197AF.p.16.1	M00001552D:G08	6013
3482	1/28/98	521	RTA00000197AF.p.12.1	M00001552B:G05	0
3483	1/28/98	403	RTA00000184AF.f.13.1	M00001550D:H02	3784
3484	1/28/98	517	RTA00000184AF.e.14.1	M00001549C:D02	16347
3485	1/28/98	676	RTA00000197AR.m.14.1	M00001531B:E09	14879
3486	1/28/98	596	RTA00000184AF.d.9.1	M00001548A:B11	6515
3487	1/28/98	559	RTA00000197AF.p.20.1	M00001554B:B07	22795
3487	1/28/98	615	RTA00000197R.p.20.1	M00001554B:B07	22795
3488	1/28/98	729	RTA00000184AF.a.19.1	M00001544C:C06	2628
3489	1/28/98	682	RTA00000125A.j.16.1	M00001544A:E06	0
3490	1/28/98	723	RTA00000183AF.p.24.1	M00001543C:F01	3116
3491	1/28/98	509	RTA00000183AF.p.17.1	M00001543A:H12	5158
3492	1/28/98	738	RTA00000183AF.o.8.1	M00001540C:B10	8927
3493	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3493	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3493	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3494	1/28/98	502	RTA00000197AF.o.23.1	M00001549A:A09	12682
3495	1/28/98	468	RTA00000198AF.a.18.1	M00001561C:E11	0
3496	1/28/98	210	RTA00000189AR.b.12.1	M00003829B:G03	17233
3496	1/28/98	422	RTA00000189AF.b.12.1	M00003829B:G03	17233
3497	1/28/98	748	RTA00000198AF.b.24.1	M00001571D:B11	19047
3497	1/28/98	623	RTA00000198R.b.24.1	M00001571D:B11	19047
3498	1/28/98	397	RTA00000198AF.b.22.1	M00001571B:E03	38956
3499	1/28/98	571	RTA00000198AF.b.14.1	M00001569C:B06	801
3500	1/28/98	492	RTA00000198AF.b.8.1	M00001567C:H12	22636
3500	1/28/98	23	RTA00000198R.b.08.1	M00001567C:H12	22636
3501	1/28/98	492	RTA00000198AF.b.8.1	M00001567C:H12	22636
3501	1/28/98	23	RTA00000198R.b.08.1	M00001567C:H12	22636
3502	1/28/98	559	RTA00000197AF.p.20.1	M00001554B:B07	22795
3502	1/28/98	615	RTA00000197R.p.20.1	M00001554B:B07	22795
3503	1/28/98	727	RTA00000184AF.n.12.2	M00001561D:C11	3727
3504	1/28/98	559	RTA00000197AF.p.20.1	M00001554B:B07	22795
3504	1/28/98	615	RTA00000197R.p.20.1	M00001554B:B07	22795
3505	1/28/98	641	RTA00000198F.a.10.1	M00001558A:E11	6695
3506	1/28/98	731	RTA00000184F.k.02.1	M00001557B:H10	5192
3507	1/28/98	597	RTA00000198F.a.4.1	M00001557A:F01	9635
3508	1/28/98	560	RTA00000184AF.i.23.3	M00001556A:F11	1577
3509	1/28/98	601	RTA00000184AF.i.10.2	M00001555A:B01	3744
3510	1/28/98	700	RTA00000183AF.i.18.2	M00001529D:H02	40129
3511	1/28/98	437	RTA00000198R.a.23.1	M00001563B:D11	10700
3512	1/28/98	591	RTA00000197AF.h.1.1	M00001470A:H01	13075
3512	1/28/98	110	RTA00000197R.h.01.1	M00001470A:H01	13075
3513	1/28/98	259	RTA00000197AF.j.4.1	M00001492D:A11	17209
3513	1/28/98	386	RTA00000197AR.j.04.1	M00001492D:A11	17209
3514	1/28/98	386	RTA00000197AR.j.04.1	M00001492D:A11	17209
3514	1/28/98	259	RTA00000197AF.j.4.1	M00001492D:A11	17209
3515	1/28/98	644	RTA00000197F.i.12.1	M00001489B:A06	3605
3516	1/28/98	633	RTA00000197F.i.8.1	M00001488A:E01	6292
3517	1/28/98	546	RTA00000197F.i.6.1	M00001487C:D06	12149

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3518	1/28/98	650	RTA00000183AR.n.17.1	M00001539B:H06	9800
3519	1/28/98	513	RTA00000197AF.h.14.1	M00001477B:F04	7045
3520	1/28/98	519	RTA00000183AF.a.24.2	M00001499B:A11	10539
3521	1/28/98	110	RTA00000197R.h.01.1	M00001470A:H01	13075
3521	1/28/98	591	RTA00000197AF.h.1.1	M00001470A:H01	13075
3522	1/28/98	446	RTA00000182AF.a.23.3	M00001463A:F06	9755
3523	1/28/98	739	RTA00000181AF.p.12.3	M00001460C:H02	22204
3524	1/28/98	635	RTA00000181AF.p.7.3	M00001460A:E01	38773
3525	1/28/98	720	RTA00000197AF.f.14.1	M00001459B:C09	3732
3526	1/28/98	623	RTA00000198R.b.24.1	M00001571D:B11	19047
3526	1/28/98	748	RTA00000198AF.b.24.1	M00001571D:B11	19047
3527	1/28/98	419	RTA00000182AF.j.20.1	M00001483B:D03	4769
3528	1/28/98	632	RTA00000183AR.g.03.1	M00001512D:G09	3956
3528	1/28/98	630	RTA00000183AR.g.03.2	M00001512D:G09	3956
3529	1/28/98	695	RTA00000197F.m.5.1	M00001528C:H04	10872
3530	1/28/98	479	RTA00000197R.l.22.1	M00001528A:C11	6962
3530	1/28/98	665	RTA00000197AF.l.22.1	M00001528A:C11	6962
3531	1/28/98	479	RTA00000197R.l.22.1	M00001528A:C11	6962
3531	1/28/98	665	RTA00000197AF.l.22.1	M00001528A:C11	6962
3532	1/28/98	479	RTA00000197R.l.22.1	M00001528A:C11	6962
3532	1/28/98	665	RTA00000197AF.l.22.1	M00001528A:C11	6962
3533	1/28/98	479	RTA00000197R.l.22.1	M00001528A:C11	6962
3533	1/28/98	665	RTA00000197AF.l.22.1	M00001528A:C11	6962
3534	1/28/98	550	RTA00000183AF.g.14.1	M00001513D:A03	0
3535	1/28/98	404	RTA00000195AF.b.6.1	M00001496C:G10	39490
3536	1/28/98	630	RTA00000183AR.g.03.2	M00001512D:G09	3956
3536	1/28/98	632	RTA00000183AR.g.03.1	M00001512D:G09	3956
3537	1/28/98	570	RTA00000183AF.a.19.2	M00001499A:A05	3788
3538	1/28/98	630	RTA00000183AR.g.03.2	M00001512D:G09	3956
3538	1/28/98	632	RTA00000183AR.g.03.1	M00001512D:G09	3956
3539	1/28/98	603	RTA00000183AR.d.11.3	M00001504D:G06	6420
3540	1/28/98	715	RTA00000197AR.k.11.1	M00001500D:E10	53758
3541	1/28/98	503	RTA00000197AF.k.9.1	M00001500C:C08	3138
3542	1/28/98	719	RTA00000183AF.b.12.1	M00001500A:B02	0
3543	1/28/98	271	RTA00000201F.d.02.1	M00004375A:H01	2599
3543	1/28/98	239	RTA00000201R.d.02.1	M00004375A:H01	2599
3543	1/28/98	227	RTA00000201R.d.02.2	M00004375A:H01	2599
3544	1/28/98	630	RTA00000183AR.g.03.2	M00001512D:G09	3956
3544	1/28/98	632	RTA00000183AR.g.03.1	M00001512D:G09	3956
3545	3/24/98	15	RTA00000425F.j.14.1	M00001639D:C12	73397
3546	3/24/98	111	RTA00000425F.d.08.1	M00001631A:F06	74350
3547	3/24/98	152	RTA00000425F.d.07.1	M00001631A:F12	43197
3548	3/24/98	147	RTA00000425F.d.21.1	M00001631B:H04	78920
3549	3/24/98	77	RTA00000425F.i.17.1	M00001633A:F11	43213
3550	3/24/98	418	RTA00000425F.i.18.1	M00001633A:G10	42255
3551	3/24/98	197	RTA00000425F.j.20.1	M00001633B:A12	26760
3552	3/24/98	143	RTA00000425F.j.22.1	M00001633B:E03	73882
3553	3/24/98	283	RTA00000425F.k.20.1	M00001633C:A08	74048
3554	3/24/98	139	RTA00000425F.k.22.1	M00001633C:E12	78123
3555	2/24/98	870	RTA00000418F.n.24.1	M00001659D:C09	73153

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3556	3/24/98	403	RTA00000425F.n.17.1	M00001636A:H12	78304
3557	2/24/98	1109	RTA00000422F.f.22.1	M00001584A:G03	38703
3558	3/24/98	150	RTA00000424F.d.04.1	M00001478A:F12	76505
3558	3/24/98	149	RTA00000424F.d.04.3	M00001478A:F12	76505
3559	3/24/98	358	RTA00000425F.n.19.1	M00001638B:C08	78324
3560	3/24/98	165	RTA00000425F.e.21.1	M00001629D:D10	77203
3561	3/24/98	443	RTA00000425F.k.16.1	M00001640A:F05	75282
3562	3/24/98	252	RTA00000425F.m.03.1	M00001642D:G08	76045
3563	3/24/98	116	RTA00000425F.n.05.1	M00001647D:G07	73965
3564	3/24/98	425	RTA00000522F.i.07.2	M00001649A:E10	78377
3565	3/24/98	445	RTA00000522F.j.08.2	M00001650D:D10	76613
3566	3/24/98	371	RTA00000522F.j.09.2	M00001650D:F11	78522
3567	3/24/98	97	RTA00000522F.j.14.2	M00001651C:D11	73123
3568	3/24/98	69	RTA00000522F.j.15.2	M00001651C:G12	76535
3569	3/24/98	373	RTA00000522F.j.19.2	M00001652B:D06	76224
3570	3/24/98	93	RTA00000522F.k.14.1	M00001652D:G02	74280
3571	3/24/98	50	RTA00000522F.k.15.1	M00001652D:G06	76866
3572	3/24/98	141	RTA00000522F.k.19.1	M00001653A:A05	32625
3573	3/24/98	409	RTA00000425F.l.10.1	M00001638A:C08	26893
3574	2/24/98	443	RTA00000414F.f.15.1	M00005260A:A12	0
3575	2/24/98	886	RTA00000420F.m.15.1	M00005235B:F10	0
3576	2/24/98	260	RTA00000414F.e.08.1	M00005236A:E04	0
3577	2/24/98	734	RTA00000414F.e.09.1	M00005236A:G10	0
3578	2/24/98	1077	RTA00000414F.e.11.1	M00005236B:A12	0
3579	2/24/98	970	RTA00000414F.e.15.1	M00005236B:G03	0
3580	2/24/98	271	RTA00000414F.e.16.1	M00005236B:H10	0
3581	2/24/98	58	RTA00000420F.m.18.1	M00005254D:A10	0
3582	2/24/98	289	RTA00000420F.n.08.1	M00005257A:H11	0
3583	2/24/98	1033	RTA00000414F.e.19.1	M00005257C:E05	0
3584	2/24/98	793	RTA00000414F.e.21.1	M00005257C:G01	0
3585	2/24/98	36	RTA00000414F.e.22.1	M00005257D:A06	0
3586	2/24/98	852	RTA00000414F.f.03.1	M00005257D:G07	0
3587	3/24/98	341	RTA00000425F.d.06.1	M00001631A:D03	77660
3588	2/24/98	961	RTA00000420F.n.21.2	M00005259B:D12	0
3589	3/24/98	441	RTA00000528F.g.22.2	M00001630C:F09	920
3590	2/24/98	940	RTA00000414F.f.17.1	M00005260A:F04	0
3591	2/24/98	160	RTA00000414F.f.19.1	M00005260B:E11	0
3592	3/24/98	140	RTA00000424F.m.14.1	M00001612D:D12	77491
3593	3/24/98	34	RTA00000424F.m.15.1	M00001612D:F06	73759
3594	3/24/98	212	RTA00000424F.n.06.1	M00001613A:D02	74737
3595	3/24/98	308	RTA00000424F.k.23.1	M00001614A:B10	31061
3596	3/24/98	372	RTA00000424F.m.24.1	M00001614C:G07	77045
3597	3/24/98	396	RTA00000528F.g.05.2	M00001615C:E07	3770
3598	3/24/98	296	RTA00000425F.e.02.1	M00001625C:F10	76143
3599	3/24/98	99	RTA00000425F.c.20.1	M00001626D:A02	73581
3600	3/24/98	442	RTA00000425F.d.14.1	M00001629A:H09	13417
3601	3/24/98	357	RTA00000425F.e.19.1	M00001629D:B10	73409
3602	2/24/98	210	RTA00000419F.p.24.1	M00004039B:E12	63477
3603	2/24/98	501	RTA00000414F.f.05.1	M00005257D:H11	0
3604	2/24/98	561	RTA00000420F.e.10.1	M00004108D:G04	65899

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3605	2/24/98	758	RTA00000407F.a.01.1	M00004039A:H11	12501
3606	2/24/98	688	RTA00000413F.d.23.1	M00004090B:H06	66030
3607	2/24/98	124	RTA00000420F.d.05.1	M00004092B:E05	64432
3608	2/24/98	329	RTA00000413F.e.16.1	M00004093C:C02	63836
3609	2/24/98	359	RTA00000420F.d.12.1	M00004096D:H03	64095
3610	2/24/98	429	RTA00000422F.c.17.1	M00004099D:F01	1360
3611	2/24/98	630	RTA00000413F.f.19.1	M00004100B:C07	65189
3612	2/24/98	439	RTA00000413F.g.23.1	M00004103B:E09	40700
3613	2/24/98	3	RTA00000420F.d.18.1	M00004105C:B05	63074
3614	2/24/98	1064	RTA00000420F.d.19.1	M00004105C:C08	43146
3615	2/24/98	671	RTA00000413F.h.12.1	M00004107A:A12	66929
3616	2/24/98	507	RTA00000420F.e.02.1	M00004107B:D07	40259
3617	2/24/98	319	RTA00000420F.b.21.1	M00004088D:B10	65057
3618	2/24/98	931	RTA00000420F.e.09.1	M00004108D:E07	66325
3619	2/24/98	840	RTA00000420F.b.20.1	M00004088D:B05	0
3620	2/24/98	545	RTA00000420F.e.15.1	M00004110A:A10	20190
3621	2/24/98	981	RTA00000420F.e.20.1	M00004110B:A07	64762
3622	3/24/98	370	RTA00000424F.d.19.3	M00001448B:A07	73180
3623	3/24/98	370	RTA00000424F.d.19.3	M00001448B:A07	73180
3624	3/24/98	189	RTA00000424F.d.22.3	M00001448B:G07	76189
3625	3/24/98	189	RTA00000424F.d.22.3	M00001448B:G07	76189
3626	3/24/98	92	RTA00000424F.a.24.4	M00001448D:E11	73951
3627	3/24/98	92	RTA00000424F.a.24.4	M00001448D:E11	73951
3628	3/24/98	279	RTA00000528F.b.03.1	M00001455A:D10	2078
3629	3/24/98	279	RTA00000528F.b.03.1	M00001455A:D10	2078
3630	3/24/98	480	RTA00000424F.d.17.3	M00001455A:E11	73958
3631	3/24/98	480	RTA00000424F.d.17.3	M00001455A:E11	73958
3632	2/24/98	583	RTA00000406F.i.17.1	M00003904B:C03	37902
3633	2/24/98	590	RTA00000407F.b.22.1	M00004108D:B02	37487
3634	2/24/98	1075	RTA00000413F.b.17.1	M00004078A:F07	21704
3635	2/24/98	544	RTA00000420F.i.21.2	M00005232A:H12	0
3636	1/28/98	684	RTA00000200AR.b.11.1	M00004040A:G12	12043
3636	2/24/98	1166	RTA00000347F.h.01.1	M00004040A:G12	12043
3637	1/28/98	684	RTA00000200AR.b.11.1	M00004040A:G12	12043
3637	2/24/98	1166	RTA00000347F.h.01.1	M00004040A:G12	12043
3638	2/24/98	1087	RTA00000401F.o.13.1	M00004040C:A01	3220
3639	2/24/98	114	RTA00000341F.m.21.1	M00004051D:E01	0
3640	2/24/98	811	RTA00000413F.a.12.1	M00004072D:F09	63403
3641	2/24/98	714	RTA00000420F.a.08.1	M00004073A:D10	19473
3642	1/28/98	387	RTA00000191AF.j.14.1	M00004073A:H12	1002
3642	2/24/98	632	RTA00000191AF.j.14.1	M00004073A:H12	1002
3643	1/28/98	387	RTA00000191AF.j.14.1	M00004073A:H12	1002
3643	2/24/98	632	RTA00000191AF.j.14.1	M00004073A:H12	1002
3644	2/24/98	964	RTA00000423F.i.15.1	M00004075B:G09	11219
3645	2/24/98	355	RTA00000420F.a.19.1	M00004076A:D12	34192
3646	2/24/98	745	RTA00000413F.b.04.1	M00004076D:H07	66427
3647	2/24/98	64	RTA00000413F.d.18.1	M00004090B:B04	65305
3648	2/24/98	698	RTA00000413F.b.16.1	M00004078A:E05	65126
3649	2/24/98	190	RTA00000419F.p.23.1	M00004039B:A05	64748
3650	2/24/98	903	RTA00000420F.a.21.1	M00004078B:C11	66241

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3651	2/24/98	588	RTA00000420F.a.23.1	M00004078B:F12	42158
3652	2/24/98	1185	RTA00000413F.b.20.1	M00004079D:G08	66063
3653	2/24/98	619	RTA00000420F.b.04.1	M00004081A:E02	63820
3654	2/24/98	988	RTA00000407F.a.22.1	M00004081A:G01	15570
3655	2/24/98	705	RTA00000407F.a.23.1	M00004081C:A10	23489
3656	2/24/98	282	RTA00000407F.a.24.1	M00004083A:E08	37560
3657	2/24/98	835	RTA00000413F.c.10.1	M00004083B:C01	65600
3658	2/24/98	598	RTA00000420F.b.18.1	M00004086D:G08	66136
3659	2/24/98	335	RTA00000413F.d.02.1	M00004087B:A12	66172
3660	2/24/98	504	RTA00000413F.d.05.1	M00004087C:A01	64788
3661	2/24/98	76	RTA00000413F.d.16.1	M00004088C:F01	63331
3662	2/24/98	726	RTA00000420F.b.19.1	M00004088D:A11	36873
3663	2/24/98	521	RTA00000413F.b.14.1	M00004078A:C11	66591
3664	2/24/98	255	RTA00000419F.o.16.1	M00003989C:G05	62867
3665	2/24/98	665	RTA00000419F.p.20.1	M00004039A:C03	9458
3666	2/24/98	1234	RTA00000352R.c.20.1	M00003982A:B12	7339
3667	2/24/98	247	RTA00000412F.j.17.1	M00003982C:G04	64071
3668	2/24/98	1145	RTA00000423F.k.21.2	M00003984D:B08	37499
3669	2/24/98	993	RTA00000406F.o.05.1	M00003985B:G04	37894
3670	2/24/98	328	RTA00000423F.k.19.2	M00003985D:E10	17615
3671	2/24/98	254	RTA00000341F.l.15.1	M00003986B:A08	5294
3672	2/24/98	948	RTA00000419F.o.06.1	M00003986C:D09	64643
3673	2/24/98	661	RTA00000341F.l.16.1	M00003986D:C08	8479
3674	2/24/98	117	RTA00000341F.m.13.1	M00003987B:E12	26502
3675	2/24/98	1210	RTA00000419F.o.09.1	M00003987B:F08	66396
3676	2/24/98	460	RTA00000341F.j.12.1	M00003987C:G03	12195
3677	2/24/98	486	RTA00000346F.l.13.1	M00003980B:C11	7542
3678	2/24/98	723	RTA00000419F.o.15.1	M00003989C:D03	32487
3679	2/24/98	897	RTA00000419F.o.24.1	M00003989A:F04	65995
3680	2/24/98	92	RTA00000412F.l.04.1	M00003989D:F12	66372
3681	2/24/98	1014	RTA00000412F.l.14.1	M00004029B:F01	62792
3682	2/24/98	348	RTA00000412F.l.19.1	M00004029C:C05	65825
3683	2/24/98	284	RTA00000412F.l.21.1	M00004029C:G10	65183
3684	2/24/98	188	RTA00000406F.p.04.1	M00004030D:F11	37458
3685	2/24/98	812	RTA00000412F.o.05.1	M00004034A:A01	63575
3686	2/24/98	911	RTA00000406F.p.13.1	M00004034C:G02	8584
3687	2/24/98	230	RTA00000423F.k.01.1	M00004034D:E09	40426
3688	2/24/98	1076	RTA00000423F.k.09.1	M00004035B:H09	26630
3689	2/24/98	941	RTA00000419F.p.08.1	M00004036D:B04	65560
3690	2/24/98	1186	RTA00000419F.p.10.1	M00004036D:B09	41448
3691	2/24/98	42	RTA00000423F.k.17.2	M00004038A:F02	37512
3692	2/24/98	934	RTA00000414F.e.01.1	M00005233D:H07	0
3693	2/24/98	37	RTA00000406F.o.15.1	M00003988D:A08	37482
3694	2/24/98	1016	RTA00000406F.n.12.1	M00003960A:G07	37517
3695	1/28/98	584	RTA00000190AR.c.03.1	M00003904C:A08	0
3695	2/24/98	1069	RTA00000346F.k.05.1	M00003904C:A08	0
3696	1/28/98	584	RTA00000190AR.c.03.1	M00003904C:A08	0
3696	2/24/98	1069	RTA00000346F.k.05.1	M00003904C:A08	0
3697	2/24/98	489	RTA00000406F.j.19.1	M00003906A:F12	1685
3698	2/24/98	461	RTA00000412F.d.16.1	M00003906B:H06	26829

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3699	2/24/98	558	RTA00000419F.m.04.1	M00003906C:C05	74367
3700	2/24/98	120	RTA00000401F.m.02.1	M00003907A:F01	1573
3701	2/24/98	628	RTA00000412F.d.19.1	M00003907B:C03	75743
3702	2/24/98	792	RTA00000406F.k.11.1	M00003907B:D05	38715
3703	2/24/98	292	RTA00000423F.i.18.1	M00003918A:D08	14996
3704	2/24/98	1192	RTA00000406F.m.17.1	M00003918A:F09	0
3705	2/24/98	9	RTA00000406F.n.02.1	M00003918C:H10	15051
3706	2/24/98	629	RTA00000352R.c.04.1	M00003924A:D08	71976
3707	2/24/98	438	RTA00000195R.d.09.1	M00003981C:B04	8537
3708	2/24/98	433	RTA00000419F.n.02.1	M00003958B:H08	65963
3709	2/24/98	147	RTA00000422F.c.02.1	M00004118B:A03	2902
3710	2/24/98	649	RTA00000412F.g.03.1	M00003971B:A10	64740
3711	2/24/98	1141	RTA00000347F.f.08.1	M00003972D:H02	5948
3712	2/24/98	252	RTA00000412F.g.24.1	M00003973C:C03	28741
3713	2/24/98	732	RTA00000412F.h.11.1	M00003974B:B11	63175
3714	2/24/98	181	RTA00000412F.h.21.1	M00003974D:F02	64348
3715	2/24/98	345	RTA00000412F.h.23.2	M00003974D:H04	65118
3716	2/24/98	148	RTA00000419F.n.04.1	M00003975C:F07	13102
3717	2/24/98	311	RTA00000419F.n.09.1	M00003977C:A06	66070
3718	2/24/98	1044	RTA00000419F.n.11.1	M00003977C:B03	66477
3719	2/24/98	652	RTA00000419F.n.12.1	M00003977D:A03	66086
3720	2/24/98	452	RTA00000419F.n.13.1	M00003977D:A06	66026
3721	2/24/98	796	RTA00000419F.n.15.1	M00003977D:D04	63484
3722	2/24/98	1249	RTA00000419F.n.17.1	M00003978D:G04	63186
3723	2/24/98	860	RTA00000419F.m.23.1	M00003958B:E11	64263
3724	2/24/98	713	RTA00000414F.b.10.1	M00005212D:D09	0
3725	2/24/98	1002	RTA00000419F.p.18.1	M00004038D:G06	63002
3726	2/24/98	1048	RTA00000413F.o.07.2	M00005100A:C01	0
3727	2/24/98	502	RTA00000420F.i.20.1	M00005101C:E12	0
3728	2/24/98	1001	RTA00000413F.p.07.2	M00005102C:D03	0
3729	2/24/98	88	RTA00000420F.i.24.1	M00005134B:E08	0
3730	2/24/98	93	RTA00000413F.p.24.1	M00005139A:H03	0
3731	2/24/98	142	RTA00000420F.j.19.1	M00005140C:B10	0
3732	2/24/98	833	RTA00000420F.j.20.1	M00005140D:C06	0
3733	2/24/98	316	RTA00000414F.a.02.1	M00005178D:H04	0
3734	2/24/98	1100	RTA00000414F.a.12.1	M00005210A:E06	0
3735	2/24/98	1175	RTA00000414F.b.04.1	M00005212B:E01	0
3736	2/24/98	1236	RTA00000414F.b.06.1	M00005212C:C03	0
3737	2/24/98	747	RTA00000413F.n.24.1	M00004960C:E10	0
3738	2/24/98	207	RTA00000414F.b.08.1	M00005212C:H02	0
3739	2/24/98	935	RTA00000420F.i.07.1	M00004960A:B08	0
3740	2/24/98	741	RTA00000414F.b.12.1	M00005212D:H01	0
3741	2/24/98	865	RTA00000414F.c.03.1	M00005216A:D09	0
3742	2/24/98	862	RTA00000414F.c.07.1	M00005216A:H01	0
3743	2/24/98	565	RTA00000420F.k.17.2	M00005217B:A06	0
3744	2/24/98	1226	RTA00000414F.c.12.1	M00005218A:F09	0
3745	2/24/98	512	RTA00000414F.c.16.1	M00005228A:B03	0
3746	2/24/98	817	RTA00000420F.l.08.2	M00005228C:C05	0
3747	2/24/98	573	RTA00000414F.c.23.1	M00005229B:G12	0
3748	2/24/98	1237	RTA00000414F.c.24.1	M00005229B:H04	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3749	2/24/98	727	RTA00000414F.d.02.1	M00005229B:H06	0
3750	2/24/98	566	RTA00000414F.d.05.1	M00005229D:H03	0
3751	2/24/98	307	RTA00000420F.l.12.2	M00005230B:H09	0
3752	3/24/98	149	RTA00000424F.d.04.3	M00001478A:F12	76505
3752	3/24/98	150	RTA00000424F.d.04.1	M00001478A:F12	76505
3753	2/24/98	946	RTA00000414F.b.07.1	M00005212C:D02	0
3754	1/28/98	343	RTA00000201F.a.18.1	M00004314B:G07	16837
3754	2/24/98	571	RTA00000355R.e.14.1	M00004314B:G07	16837
3755	2/24/98	481	RTA00000413F.i.23.1	M00004118B:F01	63073
3756	2/24/98	1039	RTA00000407F.c.08.1	M00004118D:B05	37549
3757	2/24/98	824	RTA00000420F.f.07.1	M00004119A:C09	66312
3758	2/24/98	813	RTA00000346F.o.06.1	M00004136D:B02	4937
3759	2/24/98	1070	RTA00000346F.n.22.1	M00004137A:D06	0
3760	2/24/98	283	RTA00000346F.n.06.1	M00004139C:A12	12439
3761	2/24/98	368	RTA00000346F.o.08.1	M00004149C:B02	0
3762	2/24/98	704	RTA00000355R.a.12.1	M00004159C:F09	36756
3762	1/28/98	685	RTA00000200F.i.9.1	M00004159C:F09	36756
3763	1/28/98	685	RTA00000200F.i.9.1	M00004159C:F09	36756
3763	2/24/98	704	RTA00000355R.a.12.1	M00004159C:F09	36756
3764	2/24/98	1254	RTA00000341F.p.11.1	M00004159C:G12	0
3765	2/24/98	1188	RTA00000341F.o.18.1	M00004169D:B11	37189
3766	2/24/98	40	RTA00000352R.l.06.1	M00004187D:H06	40343
3767	2/24/98	456	RTA00000413F.o.06.1	M00005100A:B02	0
3768	2/24/98	882	RTA00000355R.c.03.1	M00004244C:G07	3986
3769	2/24/98	503	RTA00000420F.m.08.1	M00005233B:D04	0
3770	2/24/98	571	RTA00000355R.e.14.1	M00004314B:G07	16837
3770	1/28/98	343	RTA00000201F.a.18.1	M00004314B:G07	16837
3771	2/24/98	91	RTA00000355R.e.15.1	M00004316A:G09	22639
3771	1/28/98	410	RTA00000201F.a.20.1	M00004316A:G09	22639
3772	2/24/98	91	RTA00000355R.e.15.1	M00004316A:G09	22639
3772	1/28/98	410	RTA00000201F.a.20.1	M00004316A:G09	22639
3773	2/24/98	1135	RTA00000346F.o.16.1	M00004358D:C02	176
3774	2/24/98	220	RTA00000413F.k.02.1	M00004690A:G08	0
3775	2/24/98	487	RTA00000420F.g.05.1	M00004891B:D01	0
3776	2/24/98	102	RTA00000420F.g.06.1	M00004891C:D04	0
3777	2/24/98	1238	RTA00000420F.g.09.1	M00004895B:E12	0
3778	2/24/98	18	RTA00000420F.g.12.1	M00004895B:G04	0
3779	2/24/98	1196	RTA00000413F.l.18.1	M00004895D:G07	0
3780	2/24/98	579	RTA00000413F.m.16.1	M00004898C:F03	0
3781	2/24/98	143	RTA00000420F.h.13.1	M00004899D:G06	0
3782	2/24/98	909	RTA00000420F.i.04.1	M00004959D:H12	0
3783	2/24/98	709	RTA00000352R.p.09.1	M00004228C:H03	16915
3784	3/24/98	221	RTA00000427F.j.22.1	M00004097D:B05	66367
3785	3/24/98	188	RTA00000525F.c.15.1	M00004040A:A07	7692
3786	3/24/98	401	RTA00000525F.c.16.1	M00004040A:B04	38209
3787	3/24/98	53	RTA00000525F.c.17.1	M00004040A:C08	38160
3788	3/24/98	325	RTA00000525F.c.18.1	M00004040B:C05	24208
3789	3/24/98	159	RTA00000525F.c.19.1	M00004040B:F07	38159
3790	3/24/98	209	RTA00000427F.g.16.1	M00004069A:E12	63011
3791	3/24/98	123	RTA00000427F.g.05.1	M00004069C:C08	63138

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3792	3/24/98	62	RTA00000427F.j.19.1	M00004077A:G12	41395
3793	3/24/98	265	RTA00000427F.h.02.1	M00004085B:G01	63652
3794	3/24/98	235	RTA00000427F.g.19.1	M00004087A:B05	64611
3795	3/24/98	333	RTA00000427F.k.21.1	M00004090D:F12	62880
3796	3/24/98	130	RTA00000427F.h.12.1	M00004092C:D08	36894
3797	3/24/98	243	RTA00000424F.c.15.3	M00001476D:F12	73533
3798	3/24/98	227	RTA00000427F.i.11.1	M00004097C:H08	26635
3799	3/24/98	456	RTA00000427F.a.10.1	M00004038B:D01	65370
3800	3/24/98	7	RTA00000523F.o.20.1	M00005177B:H02	0
3801	3/24/98	291	RTA00000523F.o.23.1	M00005177C:G04	0
3802	3/24/98	119	RTA00000523F.p.06.1	M00005177D:F09	0
3803	3/24/98	178	RTA00000428F.a.12.1	M00005179B:H02	0
3804	3/24/98	463	RTA00000523F.p.16.1	M00005179D:B03	0
3805	3/24/98	390	RTA00000524F.a.11.1	M00005210D:C09	0
3806	3/24/98	468	RTA00000524F.a.18.1	M00005211A:E09	0
3807	3/24/98	114	RTA00000524F.a.23.1	M00005211C:E09	0
3808	3/24/98	29	RTA00000524F.b.03.1	M00005212A:D10	0
3809	3/24/98	36	RTA00000428F.a.16.1	M00005212D:F08	0
3810	3/24/98	417	RTA00000524F.b.10.1	M00005213C:A01	0
3811	3/24/98	182	RTA00000524F.b.17.1	M00005214B:A06	0
3812	3/24/98	348	RTA00000427F.i.09.1	M00004097C:E03	65916
3813	3/24/98	384	RTA00000527F.p.03.1	M00004029B:A06	5940
3814	3/24/98	84	RTA00000527F.k.18.1	M00003982B:C10	11332
3815	3/24/98	48	RTA00000527F.k.21.1	M00003982B:H10	36051
3816	3/24/98	271	RTA00000527F.l.05.1	M00003983A:D02	13016
3817	3/24/98	246	RTA00000426F.m.21.1	M00003983A:F06	64915
3818	3/24/98	16	RTA00000426F.m.22.1	M00003983A:G02	30002
3819	3/24/98	367	RTA00000527F.l.19.1	M00003983D:E08	36856
3820	3/24/98	477	RTA00000527F.l.21.1	M00003983D:H02	36430
3821	3/24/98	126	RTA00000527F.m.05.1	M00003985A:C01	17240
3822	3/24/98	89	RTA00000527F.n.02.1	M00003986C:G11	24190
3823	3/24/98	263	RTA00000527F.n.07.1	M00003986D:H12	15939
3824	3/24/98	49	RTA00000527F.n.22.1	M00004027A:A08	24175
3825	3/24/98	449	RTA00000426F.m.04.1	M00004028A:B10	36865
3826	3/24/98	336	RTA00000426F.n.17.1	M00004039D:B10	66572
3827	3/24/98	27	RTA00000527F.p.02.1	M00004029B:A01	36844
3828	3/24/98	297	RTA00000525F.c.11.1	M00004039C:E02	37895
3829	3/24/98	17	RTA00000527F.p.06.1	M00004029B:G10	1292
3830	3/24/98	310	RTA00000527F.p.08.1	M00004029C:F02	36013
3831	3/24/98	478	RTA00000527F.p.09.1	M00004029C:F05	7694
3832	3/24/98	253	RTA00000426F.m.08.1	M00004030B:A12	63781
3833	3/24/98	414	RTA00000426F.m.12.1	M00004030B:D08	63740
3834	3/24/98	345	RTA00000426F.n.23.1	M00004030C:A08	18176
3835	3/24/98	98	RTA00000527F.p.16.1	M00004030C:C02	23798
3836	3/24/98	115	RTA00000525F.b.05.1	M00004034C:F05	21116
3837	3/24/98	444	RTA00000525F.b.09.1	M00004035B:F05	23472
3838	3/24/98	158	RTA00000427F.a.06.1	M00004036A:A11	66550
3839	3/24/98	376	RTA00000525F.b.21.1	M00004037C:D04	9486
3840	3/24/98	293	RTA00000525F.c.02.1	M00004038A:E05	14618
3841	3/24/98	138	RTA00000527F.c.22.1	M00003822B:G12	37496

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3842	3/24/98	30	RTA00000426F.m.07.1	M00004028A:G03	63504
3843	3/24/98	322	RTA00000523F.i.17.1	M00003856B:A12	65779
3844	3/24/98	311	RTA00000428F.b.02.1	M00005214D:D10	0
3845	3/24/98	233	RTA00000426F.f.13.1	M00003851A:A06	65384
3846	3/24/98	274	RTA00000523F.h.06.1	M00003851B:D03	28745
3847	3/24/98	407	RTA00000523F.h.08.1	M00003851B:E01	62893
3848	3/24/98	82	RTA00000523F.h.15.1	M00003851C:F09	65137
3849	3/24/98	316	RTA00000523F.h.16.1	M00003851D:H11	66031
3850	3/24/98	232	RTA00000527F.i.13.2	M00003852B:G04	2924
3851	3/24/98	451	RTA00000527F.i.15.2	M00003852C:F07	14235
3852	3/24/98	249	RTA00000523F.h.21.1	M00003853B:C10	41440
3853	3/24/98	72	RTA00000426F.f.19.1	M00003854C:C09	66701
3854	3/24/98	60	RTA00000523F.i.06.1	M00003855A:A01	66341
3855	3/24/98	91	RTA00000527F.i.21.2	M00003855A:F01	37490
3856	3/24/98	137	RTA00000527F.h.17.1	M00003848D:G02	37799
3857	3/24/98	433	RTA00000527F.j.04.2	M00003856A:G04	11809
3858	3/24/98	157	RTA00000523F.g.10.1	M00003848B:E07	40694
3859	3/24/98	75	RTA00000523F.i.22.1	M00003857A:E12	64688
3860	3/24/98	481	RTA00000523F.j.02.1	M00003857A:H10	62853
3861	3/24/98	377	RTA00000527F.j.12.2	M00003857C:E05	37503
3862	3/24/98	286	RTA00000426F.g.19.1	M00003858B:G02	63672
3863	3/24/98	71	RTA00000527F.j.20.2	M00003860D:E06	37603
3864	3/24/98	205	RTA00000426F.h.12.1	M00003905C:F12	78093
3865	3/24/98	40	RTA00000426F.h.23.1	M00003911A:D12	75964
3866	3/24/98	369	RTA00000524F.c.08.1	M00005217C:C01	0
3867	3/24/98	234	RTA00000524F.c.16.1	M00005218D:G10	0
3868	3/24/98	8	RTA00000428F.b.06.1	M00005228A:A09	0
3869	3/24/98	193	RTA00000428F.b.12.1	M00005231C:B07	0
3870	3/24/98	415	RTA00000428F.b.22.1	M00005231D:B09	0
3871	2/24/98	486	RTA00000346F.i.13.1	M00003980B:C11	7542
3872	3/24/98	421	RTA00000523F.i.10.1	M00003855B:B09	64876
3873	3/24/98	10	RTA00000527F.f.12.1	M00003829D:D12	5945
3874	3/24/98	145	RTA00000426F.m.24.1	M00003981A:A07	63943
3875	3/24/98	39	RTA00000527F.c.23.1	M00003822C:A07	37742
3876	3/24/98	35	RTA00000426F.f.11.1	M00003823C:B01	63102
3877	3/24/98	385	RTA00000426F.f.12.1	M00003823C:C04	19096
3878	3/24/98	2	RTA00000523F.d.19.1	M00003824A:A06	26489
3879	3/24/98	225	RTA00000527F.d.09.1	M00003824A:G11	10848
3880	3/24/98	359	RTA00000523F.d.21.1	M00003824B:C09	33424
3881	3/24/98	330	RTA00000523F.d.23.1	M00003824C:A10	63633
3882	3/24/98	254	RTA00000523F.d.24.1	M00003824D:D08	64799
3883	3/24/98	74	RTA00000527F.d.19.1	M00003825B:F10	486
3884	3/24/98	67	RTA00000527F.e.03.1	M00003825D:F01	25560
3885	3/24/98	352	RTA00000527F.e.13.1	M00003826C:F05	37588
3886	3/24/98	185	RTA00000527F.h.21.1	M00003850C:G09	37630
3887	3/24/98	338	RTA00000523F.e.15.1	M00003829C:E08	7919
3888	3/24/98	284	RTA00000524F.b.19.1	M00005216B:D02	0
3889	3/24/98	242	RTA00000523F.e.20.1	M00003829D:F03	65164
3890	3/24/98	301	RTA00000527F.f.18.1	M00003830D:B11	37577
3891	3/24/98	259	RTA00000528F.m.04.1	M00003830D:H11	10815

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3892	3/24/98	160	RTA00000523F.f.06.1	M00003833D:H08	62871
3893	3/24/98	166	RTA00000523F.f.07.1	M00003833D:H10	62799
3894	3/24/98	196	RTA00000523F.f.12.1	M00003840A:C10	63751
3895	3/24/98	447	RTA00000523F.f.19.1	M00003840B:F05	34169
3896	3/24/98	113	RTA00000527F.g.07.1	M00003840C:C02	37488
3897	3/24/98	45	RTA00000528F.m.12.1	M00003842D:F08	5768
3898	3/24/98	415	RTA00000527F.g.12.1	M00003845C:D04	37746
3899	3/24/98	1	RTA00000527F.g.13.1	M00003845D:A04	36035
3900	3/24/98	450	RTA00000527F.g.21.1	M00003846B:C05	36028
3901	3/24/98	144	RTA00000527F.g.23.1	M00003846C:F08	37538
3902	3/24/98	422	RTA00000527F.f.03.1	M00003829A:B08	17788
3903	3/24/98	176	RTA00000522F.g.15.1	M00001595B:G07	76536
3904	3/24/98	264	RTA00000425F.e.09.1	M00001608C:G04	75550
3905	3/24/98	32	RTA00000424F.n.14.1	M00001584D:C11	73008
3906	3/24/98	459	RTA00000425F.c.03.1	M00001585D:B12	74643
3907	3/24/98	124	RTA00000424F.m.12.1	M00001586C:H07	77675
3908	3/24/98	314	RTA00000522F.e.09.1	M00001589D:A01	32599
3909	3/24/98	262	RTA00000424F.k.03.1	M00001590D:B04	21289
3910	3/24/98	106	RTA00000424F.j.14.1	M00001592B:B02	74311
3911	3/24/98	424	RTA00000424F.k.10.1	M00001592D:H02	73232
3912	3/24/98	168	RTA00000424F.j.12.1	M00001594C:E05	73827
3913	3/24/98	420	RTA00000424F.j.13.1	M00001594C:H03	74485
3914	3/24/98	210	RTA00000522F.g.06.1	M00001594D:G11	78221
3915	3/24/98	439	RTA00000522F.g.10.1	M00001595A:C07	74294
3916	3/24/98	300	RTA00000424F.m.08.1	M00001584A:A07	19402
3917	3/24/98	355	RTA00000522F.g.12.1	M00001595A:E07	78783
3918	3/24/98	411	RTA00000424F.n.12.1	M00001582C:G02	41589
3919	3/24/98	238	RTA00000522F.g.17.1	M00001595B:G10	76486
3920	3/24/98	472	RTA00000522F.g.18.1	M00001595B:H11	73226
3921	3/24/98	102	RTA00000522F.g.19.1	M00001595C:A01	78119
3922	3/24/98	280	RTA00000522F.g.20.1	M00001595C:A05	77688
3923	3/24/98	191	RTA00000522F.g.22.1	M00001595C:B12	77504
3924	3/24/98	163	RTA00000522F.h.01.1	M00001595C:E05	75010
3925	3/24/98	438	RTA00000522F.h.02.1	M00001595C:E09	74947
3926	3/24/98	257	RTA00000522F.h.07.1	M00001595D:C11	75149
3927	3/24/98	389	RTA00000424F.i.15.1	M00001596A:A02	78043
3928	3/24/98	167	RTA00000424F.i.20.1	M00001596A:D01	44010
3929	3/24/98	374	RTA00000528F.f.10.1	M00001596C:G05	3600
3930	3/24/98	215	RTA00000425F.f.02.1	M00001607A:A01	76982
3931	3/24/98	22	RTA00000527F.k.15.1	M00003982A:G03	22688
3932	3/24/98	378	RTA00000522F.g.11.1	M00001595A:D12	75432
3933	3/24/98	63	RTA00000522F.b.01.1	M00001570C:B02	75691
3934	3/24/98	430	RTA00000424F.g.08.1	M00001482C:F09	74928
3935	3/24/98	340	RTA00000424F.h.06.1	M00001485C:D07	77552
3936	3/24/98	161	RTA00000424F.h.10.1	M00001485C:G06	72925
3937	3/24/98	368	RTA00000424F.i.11.1	M00001485D:A05	41569
3938	3/24/98	455	RTA00000424F.g.24.1	M00001487C:A11	79156
3939	3/24/98	211	RTA00000424F.h.03.1	M00001487C:G09	74447
3940	3/24/98	174	RTA00000424F.b.21.4	M00001530A:B02	24686
3941	3/24/98	383	RTA00000424F.b.23.4	M00001530A:H05	77322

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3942	3/24/98	179	RTA00000424F.d.10.3	M00001530D:A11	73110
3943	3/24/98	393	RTA00000424F.b.15.4	M00001539B:B10	74958
3944	3/24/98	347	RTA00000522F.a.05.1	M00001567A:C04	32611
3945	3/24/98	303	RTA00000522F.a.06.1	M00001567A:C11	73662
3946	3/24/98	229	RTA00000424F.n.13.1	M00001584D:B06	74942
3947	3/24/98	392	RTA00000522F.a.20.1	M00001567C:E07	74070
3948	3/24/98	226	RTA00000425F.e.15.1	M00001608D:F11	75921
3949	3/24/98	285	RTA00000522F.b.07.1	M00001570D:E05	78634
3950	3/24/98	465	RTA00000528F.d.04.1	M00001570D:E07	2395
3951	3/24/98	404	RTA00000522F.b.18.1	M00001573B:A06	3460
3952	3/24/98	9	RTA00000522F.b.22.1	M00001573B:H12	75181
3953	3/24/98	109	RTA00000424F.a.01.4	M00001575A:D05	43214
3953	3/24/98	125	RTA00000424F.a.01.1	M00001575A:D05	43214
3954	3/24/98	125	RTA00000424F.a.01.1	M00001575A:D05	43214
3954	3/24/98	109	RTA00000424F.a.01.4	M00001575A:D05	43214
3955	3/24/98	294	RTA00000424F.a.05.1	M00001575B:C01	77976
3955	3/24/98	292	RTA00000424F.a.05.4	M00001575B:C01	77976
3956	3/24/98	292	RTA00000424F.a.05.4	M00001575B:C01	77976
3956	3/24/98	294	RTA00000424F.a.05.1	M00001575B:C01	77976
3957	3/24/98	434	RTA00000522F.c.11.1	M00001576C:H02	31064
3958	3/24/98	299	RTA00000522F.c.14.1	M00001577A:A03	75449
3959	3/24/98	110	RTA00000522F.d.08.1	M00001578B:A06	74284
3960	3/24/98	306	RTA00000522F.d.23.1	M00001579D:F02	73868
3961	3/24/98	350	RTA00000424F.n.11.1	M00001582C:C04	73874
3962	3/24/98	366	RTA00000522F.a.17.1	M00001567C:B08	79032
3963	3/24/98	239	RTA00000523F.j.17.1	M00003966B:A04	63610
3964	3/24/98	405	RTA00000425F.e.07.1	M00001608C:D02	75992
3965	3/24/98	231	RTA00000426F.e.17.1	M00003810C:B06	64089
3966	3/24/98	104	RTA00000527F.b.19.1	M00003810D:H09	37469
3967	3/24/98	312	RTA00000426F.f.17.1	M00003811C:C02	66334
3968	3/24/98	266	RTA00000426F.f.16.1	M00003813B:F02	65613
3969	3/24/98	183	RTA00000527F.c.04.1	M00003813C:H08	23090
3970	3/24/98	435	RTA00000523F.c.13.1	M00003813D:B12	40668
3971	3/24/98	255	RTA00000523F.c.14.1	M00003813D:C02	66015
3972	3/24/98	131	RTA00000523F.c.15.1	M00003813D:G06	36935
3973	3/24/98	270	RTA00000426F.g.16.1	M00003814B:C01	41446
3974	3/24/98	95	RTA00000523F.c.18.1	M00003817C:A10	66179
3975	3/24/98	329	RTA00000527F.c.09.1	M00003817C:G06	64859
3976	3/24/98	65	RTA00000523F.c.01.1	M00003810A:A02	65710
3977	3/24/98	398	RTA00000527F.c.16.1	M00003821A:H09	22908
3978	3/24/98	96	RTA00000523F.b.13.1	M00003809B:A03	66330
3979	3/24/98	313	RTA00000523F.j.21.1	M00003966C:A12	36925
3980	3/24/98	86	RTA00000523F.k.01.1	M00003966C:F03	41437
3981	3/24/98	26	RTA00000427F.b.23.1	M00003973D:F08	64297
3982	3/24/98	277	RTA00000427F.e.08.1	M00003974D:E01	47387
3983	3/24/98	397	RTA00000427F.e.10.1	M00003974D:H07	64599
3984	3/24/98	31	RTA00000427F.c.10.1	M00003976B:E06	65478
3985	3/24/98	151	RTA00000427F.c.12.1	M00003976B:H07	66995
3986	3/24/98	57	RTA00000427F.c.20.1	M00003978A:E01	26527
3987	3/24/98	213	RTA00000427F.c.22.1	M00003978A:E09	63990

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
3988	3/24/98	289	RTA00000427F.d.10.1	M00003978C:A12	40685
3989	3/24/98	28	RTA00000427F.d.08.1	M00003980C:E12	63967
3990	3/24/98	335	RTA00000427F.d.09.1	M00003980C:F12	66486
3991	3/24/98	267	RTA00000425F.i.21.1	M00001635B:B02	75305
3992	3/24/98	343	RTA00000527F.c.11.1	M00003817D:D12	37484
3993	3/24/98	251	RTA00000425F.f.24.1	M00001656D:C04	40841
3994	3/24/98	155	RTA00000424F.l.19.1	M00001609C:A12	75454
3995	3/24/98	321	RTA00000424F.m.04.1	M00001609C:G05	79017
3996	3/24/98	214	RTA00000424F.k.12.1	M00001610C:B07	77666
3997	3/24/98	446	RTA00000425F.f.20.1	M00001653D:H07	74071
3998	3/24/98	428	RTA00000522F.l.08.1	M00001654A:E08	78781
3999	3/24/98	295	RTA00000522F.l.15.1	M00001654B:A01	74691
4000	3/24/98	275	RTA00000522F.l.22.1	M00001654C:D10	75801
4001	3/24/98	223	RTA00000522F.m.02.1	M00001654C:G07	76834
4002	3/24/98	391	RTA00000522F.m.03.1	M00001654C:G09	79194
4003	3/24/98	346	RTA00000522F.m.19.1	M00001655C:C07	41544
4004	3/24/98	51	RTA00000522F.n.02.1	M00001655D:E08	74959
4005	3/24/98	94	RTA00000522F.n.05.1	M00001655D:H11	73260
4006	3/24/98	332	RTA00000523F.c.03.1	M00003810B:B11	36913
4007	3/24/98	172	RTA00000425F.f.11.1	M00001656C:C04	79275
4008	3/24/98	58	RTA00000527F.k.06.1	M00003981B:B12	12469
4009	3/24/98	240	RTA00000522F.n.14.1	M00001657C:C11	73410
4010	3/24/98	56	RTA00000522F.n.16.1	M00001657D:A10	26769
4011	3/24/98	20	RTA00000522F.o.06.1	M00001659D:A09	26860
4012	3/24/98	38	RTA00000528F.i.22.1	M00001661D:D05	2478
4013	3/24/98	413	RTA00000425F.i.10.1	M00001664B:E08	78736
4014	3/24/98	412	RTA00000425F.i.11.1	M00001664B:F06	21716
4015	3/24/98	202	RTA00000528F.j.11.1	M00001669B:C12	1070
4016	3/24/98	432	RTA00000522F.o.20.1	M00001669C:B09	74853
4017	3/24/98	245	RTA00000522F.p.09.1	M00001670A:F09	75204
4018	3/24/98	331	RTA00000528F.k.10.1	M00001678C:F09	1981
4019	3/24/98	356	RTA00000523F.a.07.1	M00001693A:H06	75804
4020	3/24/98	200	RTA00000527F.a.13.1	M00003805D:E06	37740
4021	3/24/98	14	RTA00000523F.b.02.1	M00003806C:A06	65163
4022	3/24/98	177	RTA00000522F.n.12.1	M00001656A:H12	74117
4023	2/24/98	1158	RTA00000405F.o.03.1	M00003829C:H05	37575
4024	2/24/98	1181	RTA00000346F.f.14.1	M00003800B:F03	16998
4025	2/24/98	610	RTA00000419F.d.07.1	M00003820B:D10	21421
4026	2/24/98	1227	RTA00000411F.g.05.1	M00003822D:B10	64664
4027	2/24/98	412	RTA00000411F.g.06.1	M00003822D:C06	66065
4028	2/24/98	21	RTA00000411F.g.08.1	M00003822D:D04	45815
4029	2/24/98	1208	RTA00000347F.e.24.1	M00003823B:F07	8188
4030	2/24/98	502	RTA00000341F.d.08.1	M00003824C:D07	0
4031	2/24/98	528	RTA00000405F.n.16.1	M00003825B:B10	21503
4032	2/24/98	15	RTA00000419F.c.19.1	M00003820A:A08	64346
4033	2/24/98	637	RTA00000419F.d.14.1	M00003828A:D05	64945
4034	2/24/98	81	RTA00000419F.c.16.1	M00003819D:B01	65254
4035	2/24/98	754	RTA00000419F.e.02.1	M00003830C:A03	65010
4036	2/24/98	430	RTA00000419F.e.04.1	M00003831C:G05	62963
4037	2/24/98	541	RTA00000411F.h.15.1	M00003832A:A09	65160

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4038	2/24/98	1079	RTA00000419F.e.10.1	M00003833B:B03	63225
4039	2/24/98	577	RTA00000419F.e.11.1	M00003833B:C12	36780
4040	2/24/98	1220	RTA00000419F.e.23.1	M00003834B:G04	65772
4041	2/24/98	691	RTA00000354R.n.08.1	M00003835A:A09	8802
4042	2/24/98	536	RTA00000411F.i.02.1	M00003835B:H11	66975
4043	2/24/98	421	RTA00000419F.f.10.1	M00003835D:G06	66193
4044	2/24/98	1150	RTA00000411F.g.24.1	M00003825B:B11	65233
4045	2/24/98	533	RTA00000423F.e.11.1	M00003809B:E10	2566
4046	2/24/98	520	RTA00000406F.c.20.1	M00003871D:G06	38578
4047	2/24/98	41	RTA00000419F.b.12.1	M00003806B:C09	63148
4048	2/24/98	917	RTA00000423F.e.21.1	M00003806B:G05	66961
4049	2/24/98	326	RTA00000419F.b.15.1	M00003806D:D11	43969
4050	2/24/98	297	RTA00000419F.b.18.1	M00003808D:D08	67034
4051	2/24/98	139	RTA00000419F.b.19.1	M00003809A:C01	65534
4052	2/24/98	1021	RTA00000419F.b.21.1	M00003809A:F01	65366
4053	2/24/98	1152	RTA00000405F.m.07.1	M00003809B:B02	37733
4054	2/24/98	310	RTA00000419F.d.06.1	M00003820B:D07	65496
4055	2/24/98	120	RTA00000401F.m.02.1	M00003907A:F01	1573
4056	2/24/98	69	RTA00000405F.o.18.1	M00003839A:D07	11016
4057	2/24/98	482	RTA00000411F.e.24.1	M00003813A:B02	64781
4058	2/24/98	50	RTA00000411F.f.02.1	M00003813A:D08	63386
4059	2/24/98	602	RTA00000411F.f.06.1	M00003813B:E09	64186
4060	2/24/98	761	RTA00000411F.f.14.1	M00003814B:C12	62984
4061	2/24/98	674	RTA00000411F.f.17.1	M00003814B:F12	65661
4062	2/24/98	1164	RTA00000405F.m.21.1	M00003815C:C06	24218
4063	2/24/98	951	RTA00000419F.c.04.1	M00003815C:D12	63749
4064	2/24/98	471	RTA00000419F.c.11.1	M00003817B:C04	65504
4065	2/24/98	1047	RTA00000419F.c.14.1	M00003819B:G01	65727
4066	2/24/98	1178	RTA00000400F.f.11.1	M00001626A:E07	4088
4067	2/24/98	89	RTA00000406F.c.08.1	M00003870C:A10	22387
4068	2/24/98	94	RTA00000406F.a.23.1	M00003867B:D10	38712
4069	2/24/98	1038	RTA00000406F.b.01.1	M00003867B:G07	39006
4070	2/24/98	783	RTA00000406F.b.02.1	M00003867B:G08	38744
4071	2/24/98	563	RTA00000406F.b.08.1	M00003867D:A06	18258
4072	2/24/98	1072	RTA00000419F.j.03.1	M00003868B:G06	77578
4073	2/24/98	846	RTA00000419F.j.11.1	M00003868C:C07	73183
4074	2/24/98	17	RTA00000411F.m.15.1	M00003868D:B09	78014
4075	2/24/98	589	RTA00000411F.m.18.1	M00003868D:D09	75629
4076	2/24/98	971	RTA00000411F.i.11.1	M00003837C:E05	66849
4077	2/24/98	794	RTA00000406F.c.06.1	M00003870C:A01	37924
4078	2/24/98	788	RTA00000419F.i.04.1	M00003860B:F11	65791
4079	2/24/98	883	RTA00000406F.c.09.1	M00003870C:E10	5671
4080	2/24/98	918	RTA00000419F.j.22.1	M00003871A:A02	73525
4081	2/24/98	757	RTA00000423F.h.13.1	M00003871A:B09	14398
4082	2/24/98	208	RTA00000419F.j.23.1	M00003871A:C11	74470
4083	2/24/98	1127	RTA00000401F.g.22.1	M00003871A:G09	1147
4084	2/24/98	1205	RTA00000419F.k.05.1	M00003871C:E04	11757
4085	2/24/98	522	RTA00000406F.c.18.1	M00003871C:F12	14368
4086	2/24/98	459	RTA00000419F.k.06.1	M00003871D:A10	78493
4087	2/24/98	965	RTA00000411F.n.06.1	M00003871D:E11	73886

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4088	2/24/98	457	RTA00000411F.m.19.1	M00003868D:D11	74924
4089	2/24/98	145	RTA00000419F.g.12.1	M00003842C:G03	66171
4090	2/24/98	633	RTA00000341F.d.02.1	M00003797A:G03	4706
4091	2/24/98	1026	RTA00000419F.f.18.1	M00003839D:E11	64047
4092	2/24/98	524	RTA00000419F.f.23.1	M00003840D:H10	65002
4093	2/24/98	204	RTA00000351R.k.19.1	M00003841B:E03	936
4094	2/24/98	968	RTA00000419F.f.24.1	M00003841B:E06	18717
4095	2/24/98	209	RTA00000411F.j.02.1	M00003841C:D07	65310
4096	2/24/98	1118	RTA00000411F.j.03.1	M00003841C:F01	66263
4097	2/24/98	470	RTA00000411F.j.06.1	M00003841C:H08	63545
4098	2/24/98	1153	RTA00000411F.j.07.1	M00003841C:H11	66963
4099	1/28/98	412	RTA00000195AF.c.24.1	M00003860D:H07	0
4099	2/24/98	678	RTA00000195AF.c.24.1	M00003860D:H07	0
4100	2/24/98	777	RTA00000419F.g.02.1	M00003842A:A03	62839
4101	2/24/98	678	RTA00000195AF.c.24.1	M00003860D:H07	0
4101	1/28/98	412	RTA00000195AF.c.24.1	M00003860D:H07	0
4102	2/24/98	799	RTA000000411F.j.15.1	M00003843A:E04	66871
4103	2/24/98	932	RTA00000405F.p.03.1	M00003844A:A11	11346
4104	2/24/98	266	RTA00000419F.g.15.1	M00003844D:A07	32519
4105	2/24/98	547	RTA00000419F.h.02.1	M00003845D:G08	63985
4106	2/24/98	290	RTA00000411F.k.16.1	M00003852C:B06	64759
4107	2/24/98	23	RTA00000411F.k.20.1	M00003854B:A07	64973
4108	2/24/98	1138	RTA00000411F.k.21.1	M00003854B:D04	65349
4109	2/24/98	1000	RTA00000351R.j.21.1	M00003859D:C05	31604
4110	2/24/98	980	RTA00000411F.i.13.1	M00003837C:F10	66138
4111	2/24/98	112	RTA00000422F.c.11.1	M00003841D:A04	2643
4112	2/24/98	905	RTA00000405F.g.21.2	M00001673B:F07	38966
4112	2/24/98	906	RTA00000405F.g.21.1	M00001673B:F07	38966
4113	2/24/98	254	RTA00000405F.i.17.1	M00001673A:F02	37725
4114	2/24/98	105	RTA00000346F.d.08.1	M00001671A:A10	39955
4115	2/24/98	1190	RTA00000405F.g.02.2	M00001671B:G05	10567
4116	2/24/98	280	RTA00000418F.p.15.1	M00001671C:C11	31066
4117	2/24/98	1151	RTA00000405F.g.18.2	M00001672D:E08	5255
4118	2/24/98	66	RTA00000405F.g.19.2	M00001673A:G08	37150
4119	2/24/98	1239	RTA00000340F.o.22.1	M00001673B:B07	7356
4120	2/24/98	906	RTA00000405F.g.21.1	M00001673B:F07	38966
4120	2/24/98	905	RTA00000405F.g.21.2	M00001673B:F07	38966
4121	2/24/98	893	RTA00000418F.p.10.1	M00001669D:F05	75323
4122	2/24/98	906	RTA00000405F.g.21.1	M00001673B:F07	38966
4122	2/24/98	905	RTA00000405F.g.21.2	M00001673B:F07	38966
4123	2/24/98	808	RTA00000418F.p.08.1	M00001669D:D06	73983
4124	2/24/98	469	RTA00000405F.g.24.1	M00001673D:D06	39076
4125	2/24/98	1094	RTA00000405F.h.03.2	M00001673D:F10	20633
4126	2/24/98	803	RTA00000405F.h.05.2	M00001674A:G07	75706
4127	2/24/98	667	RTA00000405F.h.07.2	M00001674A:G11	4984
4128	2/24/98	276	RTA00000423F.a.18.1	M00001675A:G10	26761
4129	2/24/98	1050	RTA00000405F.f.05.2	M00001669C:D09	14359
4129	2/24/98	1049	RTA00000405F.f.05.1	M00001669C:D09	14359
4130	2/24/98	1050	RTA00000405F.f.05.2	M00001669C:D09	14359
4130	2/24/98	1049	RTA00000405F.f.05.1	M00001669C:D09	14359

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4131	2/24/98	104	RTA00000421F.n.03.1	M00001675C:A04	1638
4132	2/24/98	388	RTA00000411F.a.07.1	M00001675C:C03	74547
4133	2/24/98	906	RTA00000405F.g.21.1	M00001673B:F07	38966
4133	2/24/98	905	RTA00000405F.g.21.2	M00001673B:F07	38966
4134	2/24/98	222	RTA00000405F.e.09.1	M00001663C:F12	38978
4135	2/24/98	518	RTA00000410F.m.18.1	M00001660B:A09	76365
4136	2/24/98	218	RTA00000346F.e.13.1	M00001660B:D03	74653
4137	2/24/98	427	RTA00000410F.m.20.1	M00001660B:E03	74285
4138	2/24/98	1099	RTA00000400F.m.16.1	M00001660B:E04	3307
4139	2/24/98	775	RTA00000405F.c.22.1	M00001660C:B06	39053
4140	2/24/98	28	RTA00000422F.p.06.2	M00001661A:B11	39282
4141	2/24/98	108	RTA00000418F.o.18.1	M00001661B:F06	78676
4142	2/24/98	954	RTA00000410F.n.05.1	M00001662A:C07	77830
4143	2/24/98	1182	RTA00000346F.d.21.1	M00001670B:G12	6641
4144	2/24/98	1043	RTA00000423F.b.17.1	M00001662B:F06	8200
4145	2/24/98	447	RTA00000423F.b.04.3	M00001675D:E10	6311
4146	2/24/98	305	RTA00000418F.p.06.1	M00001664A:F08	32628
4147	2/24/98	1116	RTA00000410F.o.04.1	M00001664D:F04	79018
4148	2/24/98	320	RTA00000422F.p.07.2	M00001661A:E06	39024
4149	2/24/98	197	RTA00000410F.o.05.1	M00001669A:B02	75262
4150	2/24/98	738	RTA00000422F.n.20.1	M00001669B:B12	38676
4151	2/24/98	495	RTA00000400F.o.21.1	M00001669C:C08	16259
4152	2/24/98	1050	RTA00000405F.f.05.2	M00001669C:D09	14359
4152	2/24/98	1049	RTA00000405F.f.05.1	M00001669C:D09	14359
4153	2/24/98	1049	RTA00000405F.f.05.1	M00001669C:D09	14359
4153	2/24/98	1050	RTA00000405F.f.05.2	M00001669C:D09	14359
4154	2/24/98	492	RTA00000340F.o.18.1	M00001669D:C03	4261
4155	2/24/98	61	RTA00000410F.n.07.1	M00001662A:G01	78823
4156	2/24/98	299	RTA00000405F.l.15.1	M00001694A:E03	49575
4157	2/24/98	475	RTA00000411F.d.05.1	M00001681C:A08	75812
4158	2/24/98	692	RTA00000411F.d.10.1	M00001681D:C12	76445
4159	2/24/98	336	RTA00000340F.n.13.1	M00001688D:B10	17055
4160	2/24/98	270	RTA00000411F.d.15.1	M00001692A:B06	74890
4161	2/24/98	969	RTA00000411F.d.18.1	M00001692A:G06	76063
4162	2/24/98	927	RTA00000411F.d.21.1	M00001692B:E01	74794
4163	2/24/98	1133	RTA00000405F.l.03.1	M00001692D:B01	38580
4164	2/24/98	576	RTA00000401F.d.15.2	M00001693C:C12	5297
4165	2/24/98	1059	RTA00000405F.h.21.2	M00001675C:D12	39072
4166	2/24/98	780	RTA00000405F.l.11.1	M00001693D:E08	2055
4167	2/24/98	933	RTA00000419F.a.18.1	M00001680A:B02	78484
4168	2/24/98	631	RTA00000411F.e.03.1	M00001694D:C12	73648
4169	2/24/98	585	RTA00000340R.o.12.1	M00003746C:E02	53732
4170	2/24/98	604	RTA00000351R.c.13.1	M00003747D:C05	11476
4171	2/24/98	187	RTA00000351R.g.11.1	M00003779D:E08	3077
4172	2/24/98	1060	RTA00000346F.g.02.1	M00003792A:B10	6901
4173	2/24/98	690	RTA00000341F.b.05.1	M00003793D:A11	0
4174	2/24/98	86	RTA00000346F.g.22.1	M00003794D:G03	6371
4175	2/24/98	1051	RTA00000346F.h.24.1	M00003797A:C11	4379
4176	2/24/98	377	RTA00000346F.i.01.1	M00003797A:D06	22260
4177	2/24/98	963	RTA00000405F.l.07.1	M00001693C:E09	38636

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4178	2/24/98	121	RTA00000418F.p.19.1	M00001677D:B01	78544
4179	2/24/98	781	RTA00000423F.f.09.1	M00003808C:A05	64823
4180	2/24/98	1028	RTA00000346F.d.12.1	M00001676B:B09	11777
4181	2/24/98	82	RTA00000411F.b.03.1	M00001676B:E01	23634
4182	2/24/98	465	RTA00000350R.p.18.1	M00001676B:F05	11460
4183	2/24/98	56	RTA00000411F.b.06.1	M00001676C:A04	77884
4184	2/24/98	789	RTA00000423F.b.13.1	M00001676C:E07	20619
4185	2/24/98	267	RTA00000423F.a.19.1	M00001676D:A02	21396
4186	2/24/98	836	RTA00000411F.b.17.1	M00001676D:B02	72893
4187	2/24/98	370	RTA00000405F.i.20.1	M00001677A:G11	38532
4188	2/24/98	39	RTA00000187AF.l.7.1	M00001680D:F08	10539
4189	2/24/98	389	RTA00000411F.c.02.1	M00001677B:B04	72852
4190	2/24/98	1004	RTA00000419F.a.24.1	M00001680B:D02	79290
4191	2/24/98	958	RTA00000195AF.c.8.1	M00001678B:H01	0
4191	1/28/98	520	RTA00000195AF.c.8.1	M00001678B:H01	0
4192	2/24/98	958	RTA00000195AF.c.8.1	M00001678B:H01	0
4192	1/28/98	520	RTA00000195AF.c.8.1	M00001678B:H01	0
4193	2/24/98	500	RTA00000411F.c.10.1	M00001678D:B11	73117
4194	2/24/98	323	RTA00000421F.n.19.1	M00001679A:D10	16409
4195	2/24/98	309	RTA00000340F.n.01.1	M00001679A:G06	39081
4196	2/24/98	337	RTA00000340F.p.04.1	M00001679D:B02	78533
4197	1/28/98	238	RTA00000187AR.k.12.1	M00001679D:F02	78415
4197	2/24/98	407	RTA00000340R.m.07.1	M00001679D:F02	78415
4198	1/28/98	238	RTA00000187AR.k.12.1	M00001679D:F02	78415
4198	2/24/98	407	RTA00000340R.m.07.1	M00001679D:F02	78415
4199	2/24/98	387	RTA00000411F.a.15.1	M00001675D:B08	73812
4200	2/24/98	48	RTA00000411F.b.24.1	M00001677B:A12	30041
4201	2/24/98	234	RTA00000195AF.d.4.1	M00003881D:D06	22766
4201	1/22/98	185	RTA00000195AF.d.4.1	M00003881D:D06	22766
4202	2/24/98	130	RTA00000406F.f.12.1	M00003879A:C11	21895
4203	2/24/98	953	RTA00000406F.f.05.1	M00003878C:F06	22961
4204	2/24/98	138	RTA00000406F.f.03.1	M00003878C:D08	38687
4205	2/24/98	673	RTA00000406F.d.09.1	M00003875B:F12	38591
4206	2/24/98	136	RTA00000419F.l.12.1	M00003901C:B01	75710
4207	2/24/98	300	RTA00000406F.g.17.1	M00003881B:F10	37979
4208	2/24/98	2	RTA00000406F.d.16.1	M00003875C:G02	15040
4209	2/24/98	1207	RTA00000401F.j.21.1	M00003901B:F10	0
4210	2/24/98	494	RTA00000419F.k.12.1	M00003876C:F02	0
4211	2/24/98	515	RTA00000419F.l.03.1	M00003879A:D02	79060
4212	2/24/98	26	RTA00000423F.h.18.1	M00003876C:D02	37972
4213	2/24/98	49	RTA00000406F.d.12.1	M00003875C:A01	38575
4214	2/24/98	986	RTA00000406F.d.24.1	M00003876B:C05	37997
4215	2/24/98	150	RTA00000419F.k.19.1	M00003877C:G12	75447
4216	2/24/98	538	RTA00000423F.g.04.1	M00003903D:C12	23012
4217	2/24/98	1046	RTA00000346F.j.06.1	M00003879A:A02	5767
4218	2/24/98	868	RTA00000406F.i.08.1	M00003903C:E12	37946
4219	2/24/98	409	RTA00000406F.f.11.1	M00003879A:B08	38601
4220	2/24/98	924	RTA00000354R.m.02.1	M00003890B:C08	12766
4221	2/24/98	543	RTA00000419F.k.24.1	M00003878C:G08	75596
4222	1/28/98	185	RTA00000195AF.d.4.1	M00003881D:D06	22766

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4222	2/24/98	234	RTA00000195AF.d.4.1	M00003881D:D06	22766
4223	2/24/98	382	RTA00000341F.h.10.1	M00003901B:G11	0
4224	2/24/98	550	RTA00000411F.n.20.1	M00003875C:A09	75816
4225	2/24/98	614	RTA00000406F.i.13.1	M00003904A:C04	37904
4226	2/24/98	13	RTA00000406F.f.18.1	M00003879B:G02	38587
4227	2/24/98	1256	RTA00000401F.k.19.1	M00003903D:D10	799
4228	2/24/98	185	RTA00000423F.j.05.1	M00003903C:C05	37958
4229	2/24/98	177	RTA00000406F.i.12.1	M00003903D:H11	39080
4230	2/24/98	802	RTA00000406F.g.03.1	M00003880B:D11	38690
4231	2/24/98	34	RTA00000411F.n.11.1	M00003875A:B01	77276
4232	2/24/98	498	RTA00000406F.e.15.1	M00003877C:A11	39074
4233	2/24/98	929	RTA00000411F.n.09.1	M00003875A:A07	78962
4234	2/24/98	984	RTA00000406F.g.08.1	M00003880C:H03	37963
4235	2/24/98	818	RTA00000406F.h.05.1	M00003901B:C03	38542
4236	2/24/98	592	RTA00000421F.p.18.1	M00003877B:H10	750
4237	2/24/98	313	RTA00000406F.g.07.1	M00003880C:E11	37925
4238	1/28/98	324	RTA00000184F.j.06.1	M00001556B:G02	11294
4239	2/24/98	773	RTA00000406F.h.03.1	M00003901B:A09	38585
4240	3/24/98	244	RTA00000426F.p.09.1	M00004033D:B07	66665
4241	3/24/98	222	RTA00000426F.p.10.1	M00004033D:C05	65845
4242	1/28/98	181	RTA00000198AF.d.2.1	M00001585A:F07	0
4243	1/28/98	77	RTA00000197AF.n.2.1	M00001535A:D02	6229
4244	2/24/98	844	RTA00000411F.a.09.1	M00001675C:F01	78629
4245	2/24/98	352	RTA00000411F.a.10.1	M00001675C:G01	73073
4246	3/24/98	272	RTA00000426F.m.02.1	M00004034C:C06	66237
4247	3/24/98	429	RTA00000525F.a.14.1	M00004033B:C02	37566
4248	2/24/98	118	RTA00000408F.h.03.1	M00001479D:H03	78382
4249	3/24/98	156	RTA00000525F.b.22.1	M00004037C:D07	16679
4250	2/24/98	70	RTA00000409F.m.13.1	M00001618B:E05	0
4251	2/24/98	1198	RTA00000412F.f.10.2	M00003959A:A03	65405
4252	2/24/98	1139	RTA00000404F.h.20.1	M00001619B:A09	15564
4253	3/24/98	41	RTA00000525F.b.17.1	M00004037B:A04	24715
4254	3/24/98	452	RTA00000525F.a.22.1	M00004033D:G06	36848
4255	2/24/98	1019	RTA00000403F.g.03.1	M00001479D:G06	23537
4256	2/24/98	532	RTA00000403F.a.24.1	M00001455B:A09	24128
4257	3/24/98	5	RTA00000426F.p.04.1	M00004029B:H08	34149
4258	3/24/98	43	RTA00000527F.p.07.1	M00004029C:B03	23343
4259	2/24/98	562	RTA00000401F.j.17.1	M00003901B:C05	5483
4260	2/24/98	303	RTA00000130A.h.22.1	M00001617A:D06	80933
4261	2/24/98	1201	RTA00000409F.m.02.1	M00001616C:A11	9157
4262	3/24/98	241	RTA00000527F.o.12.1	M00004028B:G08	688
4263	2/24/98	1170	RTA00000409F.l.24.1	M00001616C:A02	73174
4264	2/24/98	176	RTA00000403F.b.10.1	M00001455C:G07	73268
4265	1/28/98	131	RTA00000185AF.d.11.2	M00001579D:C03	6539
4265	1/28/98	626	RTA00000185AR.d.11.1	M00001579D:C03	6539
4266	1/28/98	190	RTA00000134A.c.7.1	M00001528A:A01	5175
4266	1/28/98	176	RTA00000183AF.h.19.1	M00001528A:A01	5175
4267	3/24/98	90	RTA00000525F.a.03.1	M00004031D:F05	36786
4268	3/24/98	236	RTA00000527F.o.01.1	M00004027A:D06	19088
4269	3/24/98	339	RTA00000426F.m.03.1	M00004034C:E08	66480

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4270	1/28/98	183	RTA00000198AF.c.17.1	M00001579C:E08	6923
4271	3/24/98	44	RTA00000527F.p.17.1	M00004030C:D12	17223
4272	3/24/98	129	RTA00000527F.p.18.1	M00004030D:B06	31635
4273	3/24/98	402	RTA00000527F.p.24.1	M00004031B:A06	36832
4274	3/24/98	118	RTA00000525F.a.02.1	M00004031C:H10	37454
4275	1/28/98	353	RTA00000198F.a.9.1	M00001557D:C08	0
4276	2/24/98	1250	RTA00000403F.f.15.1	M00001477D:F10	22768
4277	1/28/98	131	RTA00000185AF.d.11.2	M00001579D:C03	6539
4277	1/28/98	626	RTA00000185AR.d.11.1	M00001579D:C03	6539
4278	2/24/98	428	RTA00000422F.f.14.1	M00001478B:D07	2036
4279	1/28/98	209	RTA00000182AF.c.5.1	M00001464D:F06	6397
4279	1/28/98	304	RTA00000182AR.c.5.1	M00001464D:F06	6397
4280	2/24/98	205	RTA00000138A.n.4.1	M00001624A:G11	21920
4281	2/24/98	251	RTA00000119A.i.9.1	M00001457A:G03	0
4282	3/24/98	250	RTA00000427F.h.24.1	M00004091B:H09	65193
4283	1/28/98	61	RTA00000197AF.h.11.1	M00001476D:G03	22264
4284	3/24/98	216	RTA00000427F.h.11.1	M00004092C:B12	26494
4285	1/28/98	110	RTA00000197R.h.01.1	M00001470A:H01	13075
4285	1/28/98	591	RTA00000197AF.h.1.1	M00001470A:H01	13075
4286	1/28/98	110	RTA00000197R.h.01.1	M00001470A:H01	13075
4286	1/28/98	591	RTA00000197AF.h.1.1	M00001470A:H01	13075
4287	3/24/98	276	RTA00000427F.h.19.1	M00004092D:B11	63047
4288	1/28/98	335	RTA00000182AF.e.3.2	M00001468B:H06	0
4289	3/24/98	475	RTA00000427F.i.06.1	M00004097B:D03	41450
4290	2/24/98	286	RTA00000404F.i.19.1	M00001625B:C10	38698
4291	1/28/98	209	RTA00000182AF.c.5.1	M00001464D:F06	6397
4291	1/28/98	304	RTA00000182AR.c.5.1	M00001464D:F06	6397
4292	2/24/98	1165	RTA00000408F.c.08.1	M00001456D:G11	73473
4293	1/28/98	304	RTA00000182AR.c.5.1	M00001464D:F06	6397
4293	1/28/98	209	RTA00000182AF.c.5.1	M00001464D:F06	6397
4294	1/28/98	138	RTA00000182AF.a.3.3	M00001462B:A10	0
4295	1/28/98	36	RTA00000181AF.p.4.3	M00001460A:A03	40392
4296	2/24/98	523	RTA00000418F.j.09.1	M00001626C:D12	76352
4297	2/24/98	296	RTA00000347F.d.06.1	M00001457C:F02	39122
4298	1/28/98	390	RTA00000197AR.f.07.1	M00001457C:C11	19261
4298	1/28/98	184	RTA00000197AF.f.7.1	M00001457C:C11	19261
4299	1/28/98	184	RTA00000197AF.f.7.1	M00001457C:C11	19261
4299	1/28/98	390	RTA00000197AR.f.07.1	M00001457C:C11	19261
4300	1/28/98	133	RTA00000181AR.n.20.3	M00001457B:E03	0
4301	3/24/98	132	RTA00000427F.k.17.1	M00004101A:F07	64965
4302	3/24/98	218	RTA00000427F.i.19.1	M00004102C:D01	64206
4303	3/24/98	436	RTA00000427F.i.21.1	M00004102C:F03	65540
4304	1/28/98	209	RTA00000182AF.c.5.1	M00001464D:F06	6397
4304	1/28/98	304	RTA00000182AR.c.5.1	M00001464D:F06	6397
4305	1/28/98	176	RTA00000183AF.h.19.1	M00001528A:A01	5175
4305	1/28/98	190	RTA00000134A.c.7.1	M00001528A:A01	5175
4306	1/28/98	12	RTA00000183AF.i.15.2	M00001529B:C04	2642
4306	2/24/98	379	RTA00000349R.j.07.1	M00001529B:C04	2642
4307	2/24/98	1156	RTA00000408F.f.10.2	M00001476D:C05	75309
4308	2/24/98	366	RTA00000403F.c.10.1	M00001456D:F05	75261

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4309	2/24/98	353	RTA00000409F.n.17.1	M00001621C:C10	76725
4310	2/24/98	526	RTA00000411F.a.05.1	M00001675B:H03	76699
4311	2/24/98	90	RTA00000411F.a.02.1	M00001675B:E02	78537
4312	2/24/98	952	RTA00000411F.a.01.1	M00001675B:D02	74524
4313	2/24/98	392	RTA00000410F.p.23.1	M00001675B:C01	73948
4314	2/24/98	238	RTA00000340F.j.12.1	M00001624A:B06	3277
4315	1/28/98	176	RTA00000183AF.h.19.1	M00001528A:A01	5175
4315	1/28/98	190	RTA00000134A.c.7.1	M00001528A:A01	5175
4316	2/24/98	298	RTA00000406F.h.07.1	M00003901B:H04	38003
4317	1/28/98	190	RTA00000134A.c.7.1	M00001528A:A01	5175
4317	1/28/98	176	RTA00000183AF.h.19.1	M00001528A:A01	5175
4318	1/28/98	12	RTA00000183AF.i.15.2	M00001529B:C04	2642
4318	2/24/98	379	RTA00000349R.j.07.1	M00001529B:C04	2642
4319	1/28/98	122	RTA00000197AF.l.15.1	M00001517B:G08	4947
4320	3/24/98	199	RTA00000427F.f.24.1	M00004076D:B09	64572
4321	1/28/98	161	RTA00000183AF.e.23.2	M00001506D:A09	0
4322	1/28/98	17	RTA00000183AR.e.14.2	M00001506B:D09	17437
4323	1/28/98	346	RTA00000197AR.k.22.1	M00001505C:H01	11394
4324	1/28/98	125	RTA00000197AF.k.15.1	M00001504D:D11	22750
4325	1/28/98	212	RTA00000197AF.j.9.1	M00001494B:C01	13236
4326	1/28/98	314	RTA00000182AF.o.5.1	M00001493B:D09	5007
4327	1/28/98	386	RTA00000197AR.j.04.1	M00001492D:A11	17209
4327	1/28/98	259	RTA00000197AF.j.4.1	M00001492D:A11	17209
4328	1/28/98	259	RTA00000197AF.j.4.1	M00001492D:A11	17209
4328	1/28/98	386	RTA00000197AR.j.04.1	M00001492D:A11	17209
4329	1/28/98	94	RTA00000195AF.b.4.1	M00001490C:D07	0
4330	1/28/98	336	RTA00000186AF.f.24.1	M00001629B:E06	0
4330	1/28/98	83	RTA00000186AF.f.24.2	M00001629B:E06	0
4331	2/24/98	1037	RTA00000339F.l.12.1	M00001450A:G11	7711
4332	1/28/98	432	RTA00000198AF.o.05.1	M00003750A:D01	26702
4332	1/28/98	49	RTA00000198R.o.05.1	M00003750A:D01	26702
4333	2/24/98	468	RTA00000423F.c.19.1	M00001680B:E10	40472
4334	2/24/98	1009	RTA00000399F.o.24.1	M00001607D:A11	2272
4335	1/28/98	281	RTA00000188AF.n.10.1	M00003802D:B11	10283
4336	1/28/98	157	RTA00000188AF.n.01.1	M00003801A:B10	36412
4337	2/24/98	842	RTA00000401F.n.23.1	M00003982A:B06	1552
4338	2/24/98	1216	RTA00000404F.e.07.1	M00001608A:D03	9034
4339	2/24/98	1045	RTA00000408F.j.05.2	M00001483C:G06	73878
4340	2/24/98	483	RTA00000406F.g.22.1	M00003881D:C12	38590
4341	1/28/98	310	RTA00000188AF.m.08.1	M00003798D:H08	22155
4342	1/28/98	118	RTA00000199F.b.24.2	M00003794A:B03	0
4343	1/28/98	218	RTA00000188AF.o.18.1	M00003811D:A12	13678
4344	3/24/98	380	RTA00000427F.e.13.1	M00003959D:A04	66080
4345	1/28/98	315	RTA00000199R.d.23.1	M00003815D:H09	37477
4346	1/28/98	140	RTA00000199F.a.2.1	M00003772A:D07	12674
4347	3/24/98	101	RTA00000523F.j.19.1	M00003966B:D02	65910
4348	1/28/98	278	RTA00000198AF.p.16.1	M00003768A:E02	71877
4349	2/24/98	514	RTA00000404F.e.13.1	M00001608D:E09	12046
4350	1/28/98	508	RTA00000187AF.i.14.2	M00001679B:H07	19406
4350	2/24/98	928	RTA00000340F.m.04.1	M00001679B:H07	19406

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4351	1/28/98	317	RTA00000198AF.p.09.1	M00003761D:E02	10473
4351	1/28/98	186	RTA00000198R.p.09.1	M00003761D:E02	10473
4352	1/28/98	317	RTA00000198AF.p.09.1	M00003761D:E02	10473
4352	1/28/98	186	RTA00000198R.p.09.1	M00003761D:E02	10473
4353	3/24/98	66	RTA00000427F.b.15.1	M00003971C:F09	66891
4354	1/28/98	508	RTA00000187AF.i.14.2	M00001679B:H07	19406
4354	2/24/98	928	RTA00000340F.m.04.1	M00001679B:H07	19406
4355	1/28/98	144	RTA00000198AF.o.18.1	M00003755A:A09	13018
4356	3/24/98	248	RTA00000527F.l.14.1	M00003983D:A09	14935
4357	1/28/98	347	RTA00000199F.b.03.2	M00003779B:E12	38340
4358	1/28/98	272	RTA00000199F.g.08.2	M00003853D:G08	0
4359	1/28/98	263	RTA00000190AF.n.6.1	M00003965A:B11	0
4360	2/24/98	1183	RTA00000346F.j.21.1	M00003879D:A08	3095
4361	2/24/98	553	RTA00000408F.j.12.2	M00001485B:C03	18226
4362	3/24/98	181	RTA00000523F.b.06.1	M00003808A:F09	28736
4363	1/28/98	246	RTA00000199AF.l.4.1	M00003911D:B04	4410
4364	1/28/98	51	RTA00000199R.k.07.1	M00003901C:A03	12973
4365	1/28/98	62	RTA00000190AF.a.18.2	M00003900D:B10	0
4366	1/28/98	117	RTA00000199AF.j.18.1	M00003889D:B09	5140
4367	1/28/98	255	RTA00000199AF.j.17.1	M00003889A:D10	5121
4368	1/28/98	180	RTA00000199AF.j.12.1	M00003887A:A06	22461
4369	3/24/98	256	RTA00000523F.b.20.1	M00003809C:H07	66492
4370	2/24/98	603	RTA00000399F.o.19.1	M00001607A:F11	2594
4371	2/24/98	510	RTA00000131A.g.16.2	M00001449A:F01	0
4372	1/28/98	49	RTA00000198R.o.05.1	M00003750A:D01	26702
4372	1/28/98	432	RTA00000198AF.o.05.1	M00003750A:D01	26702
4373	2/24/98	424	RTA00000138A.e.13.1	M00001605A:E06	79608
4374	1/28/98	90	RTA00000199F.f.15.2	M00003845A:H12	8772
4375	1/28/98	244	RTA00000199F.f.12.2	M00003844G:A08	8131
4376	1/28/98	78	RTA00000199R.f.09.1	M00003842B:D09	22907
4376	1/28/98	406	RTA00000199F.f.09.2	M00003842B:D09	22907
4377	1/28/98	406	RTA00000199F.f.09.2	M00003842B:D09	22907
4377	1/28/98	78	RTA00000199R.f.09.1	M00003842B:D09	22907
4378	1/28/98	44	RTA00000199F.f.08.2	M00003841D:E03	12445
4379	1/28/98	39	RTA00000189AR.b.19.1	M00003832B:E01	5294
4379	2/24/98	239	RTA00000346F.j.02.1	M00003832B:E01	5294
4380	1/28/98	39	RTA00000189AR.b.19.1	M00003832B:E01	5294
4380	2/24/98	239	RTA00000346F.j.02.1	M00003832B:E01	5294
4381	2/24/98	1161	RTA00000346F.m.05.1	M00003983B:C08	5644
4382	2/24/98	887	RTA00000339F.p.06.1	M00001484A:A10	4880
4383	3/24/98	46	RTA00000523F.c.09.1	M00003813C:D08	47389
4384	2/24/98	1206	RTA00000418F.b.20.1	M00001484D:G05	73560
4385	1/28/98	336	RTA00000186AF.f.24.1	M00001629B:E06	0
4385	1/28/98	83	RTA00000186AF.f.24.2	M00001629B:E06	0
4386	1/28/98	111	RTA00000198AF.o.12.1	M00003751D:B02	22038
4387	3/24/98	365	RTA00000527F.k.16.1	M00003982B:B06	1015
4388	2/24/98	1113	RTA00000418F.p.21.1	M00001677D:F03	78068
4389	3/24/98	281	RTA00000527F.k.20.1	M00003982B:H07	17148
4390	1/28/98	360	RTA00000198F.i.5.1	M00001638A:D10	39989
4391	1/28/98	55	RTA00000186AF.i.21.1	M00001636C:H09	6033

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4392	1/28/98	316	RTA00000198AF.h.24.1	M00001636C:C01	8390
4393	1/28/98	208	RTA00000198AF.h.22.1	M00001635C:A03	22366
4394	2/24/98	1031	RTA00000404F.g.08.1	M00001613D:H10	38980
4395	3/24/98	382	RTA00000427F.a.12.1	M00003982C:H10	63377
4396	2/24/98	916	RTA00000418F.p.20.1	M00001677D:B07	78023
4397	1/28/98	91	RTA00000198AF.j.19.1	M00001653C:F12	38914
4398	2/24/98	858	RTA00000341F.e.20.1	M00003891D:B10	67422
4399	1/28/98	354	RTA00000198R.k.03.1	M00001655A:F06	22765
4399	1/28/98	158	RTA00000198AF.k.03.1	M00001655A:F06	22765
4400	3/24/98	219	RTA00000427F.f.17.1	M00004115A:B12	63803
4401	3/24/98	153	RTA00000527F.l.13.1	M00003983C:F10	36904
4402	3/24/98	320	RTA00000427F.j.06.1	M00004102D:B05	63676
4403	2/24/98	762	RTA00000411F.c.04.1	M00001677B:E06	76858
4404	2/24/98	957	RTA00000411F.c.03.1	M00001677B:B06	79280
4405	3/24/98	479	RTA00000527F.l.23.1	M00003984A:B06	36018
4406	1/28/98	329	RTA00000186AF.b.9.1	M00001616C:F07	0
4407	2/24/98	1115	RTA00000340F.i.08.1	M00001615B:F07	12005
4408	2/24/98	1022	RTA00000401F.j.15.1	M00003901A:C09	3061
4409	1/28/98	4	RTA00000198R.f.04.1	M00001607D:F07	5023
4410	3/24/98	173	RTA00000426F.m.18.1	M00003986D:G07	62974
4411	2/24/98	616	RTA00000423F.c.11.1	M00001677D:B02	0
4412	1/28/98	345	RTA00000187AF.h.21.1	M00001679A:F01	39171
4413	2/24/98	621	RTA00000408F.i.18.2	M00001482C:D02	74410
4414	1/28/98	344	RTA00000198AF.o.02.1	M00003748A:B07	68756
4415	2/24/98	257	RTA00000411F.c.17.1	M00001678D:G03	77664
4416	2/24/98	944	RTA00000422F.k.24.1	M00001610C:E06	39118
4417	2/24/98	876	RTA00000423F.d.16.1	M00001678D:C11	39173
4418	2/24/98	1144	RTA00000345F.j.09.1	M00001451B:F01	13
4419	1/28/98	242	RTA00000198AF.m.17.1	M00001679D:F06	77992
4419	1/28/98	260	RTA00000198R.m.17.1	M00001679D:F06	77992
4420	1/28/98	260	RTA00000198R.m.17.1	M00001679D:F06	77992
4420	1/28/98	242	RTA00000198AF.m.17.1	M00001679D:F06	77992
4421	1/28/98	242	RTA00000198AF.m.17.1	M00001679D:F06	77992
4421	1/28/98	260	RTA00000198R.m.17.1	M00001679D:F06	77992
4422	1/28/98	260	RTA00000198R.m.17.1	M00001679D:F06	77992
4422	1/28/98	242	RTA00000198AF.m.17.1	M00001679D:F06	77992
4423	1/28/98	238	RTA00000187AR.k.12.1	M00001679D:F02	78415
4423	2/24/98	407	RTA00000340R.m.07.1	M00001679D:F02	78415
4424	1/28/98	276	RTA00000198AF.j.15.1	M00001653B:E09	4369
4425	1/28/98	65	RTA00000198AF.m.16.1	M00001679D:D05	51
4426	1/28/98	257	RTA00000198AF.e.20.1	M00001604C:E09	9810
4427	2/24/98	820	RTA00000423F.d.11.1	M00001678C:C06	38950
4428	3/24/98	466	RTA00000427F.d.06.1	M00003980B:C06	33446
4429	2/24/98	455	RTA00000399F.d.23.1	M00001481B:A07	3310
4430	2/24/98	851	RTA00000423F.d.07.1	M00001678B:B12	0
4431	1/28/98	142	RTA00000198AF.k.19.1	M00001660B:C04	75879
4432	2/24/98	485	RTA00000419F.a.02.1	M00001678A:F05	77993
4433	3/24/98	224	RTA00000527F.k.09.1	M00003981C:F05	213
4434	2/24/98	1032	RTA00000423F.c.13.1	M00001678A:A11	39059
4435	1/28/98	354	RTA00000198R.k.03.1	M00001655A:F06	22765

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4435	1/28/98	158	RTA00000198AF.k.03.1	M00001655A:F06	22765
4436	1/28/98	354	RTA00000198R.k.03.1	M00001655A:F06	22765
4436	1/28/98	158	RTA00000198AF.k.03.1	M00001655A:F06	22765
4437	1/28/98	158	RTA00000198AF.k.03.1	M00001655A:F06	22765
4437	1/28/98	354	RTA00000198R.k.03.1	M00001655A:F06	22765
4438	1/28/98	238	RTA00000187AR.k.12.1	M00001679D:F02	78415
4438	2/24/98	407	RTA00000340R.m.07.1	M00001679D:F02	78415
4439	1/28/98	669	RTA00000192AF.c.2.1	M00004121B:G01	0
4440	3/24/98	394	RTA00000527F.g.14.1	M00003845D:B02	37532
4441	1/28/98	608	RTA00000192AF.p.8.1	M00004212B:C07	2379
4441	2/24/98	653	RTA00000352R.m.12.1	M00004212B:C07	2379
4442	1/28/98	608	RTA00000192AF.p.8.1	M00004212B:C07	2379
4442	2/24/98	653	RTA00000352R.m.12.1	M00004212B:C07	2379
4443	1/28/98	730	RTA00000192AF.o.11.1	M00004205D:F06	0
4444	2/24/98	1157	RTA00000422F.m.18.1	M00001647B:E04	23829
4445	2/24/98	1187	RTA00000120A.c.19.1	M00001464A:B03	81016
4446	2/24/98	913	RTA00000120A.c.20.1	M00001464A:B07	43235
4447	1/28/98	589	RTA00000192AF.l.1.1	M00004183C:D07	16392
4448	2/24/98	640	RTA00000405F.f.02.1	M00001669B:G02	38665
4449	1/28/98	27	RTA00000192AF.i.12.1	M00004169C:C12	5319
4450	2/24/98	681	RTA00000120A.c.24.1	M00001464A:D03	34278
4451	2/24/98	265	RTA00000340F.k.16.1	M00001647B:C09	13157
4452	1/28/98	70	RTA00000192AF.e.3.1	M00004138B:H02	13272
4453	3/24/98	171	RTA00000523F.e.10.1	M00003829A:F03	62878
4454	2/24/98	1134	RTA00000418F.m.02.1	M00001650A:A12	74550
4455	1/28/98	618	RTA00000192AF.a.14.1	M00004111D:A08	6874
4456	1/28/98	457	RTA00000191AR.l.7.2	M00004081C:D12	14391
4457	2/24/98	596	RTA00000351R.i.03.1	M00003846B:D06	6874
4458	3/24/98	460	RTA00000523F.f.16.1	M00003840B:EG7	26522
4459	3/24/98	400	RTA00000523F.f.17.1	M00003840B:E08	63984
4460	2/24/98	1129	RTA00000401F.m.07.1	M00003907D:F11	2893
4461	2/24/98	132	RTA00000418F.m.05.1	M00001650B:C10	73600
4462	1/28/98	482	RTA00000187AF.j.7.1	M00001679C:F01	78091
4463	2/24/98	1107	RTA00000419F.l.22.1	M00003903D:C06	78444
4464	2/24/98	609	RTA00000404F.o.10.2	M00001651B:B12	16785
4465	1/28/98	376	RTA00000177AF.m.18.3	M00001355B:G11	0
4465	1/28/98	375	RTA00000177AF.m.18.1	M00001355B:G11	0
4466	2/24/98	186	RTA00000132A.k.6.1	M00001464A:E07	81284
4467	1/28/98	18	RTA00000196AF.c.17.1	M00001352C:F06	39602
4468	3/24/98	282	RTA00000427F.h.22.1	M00004108C:E01	64547
4469	2/24/98	859	RTA00000419F.m.22.1	M00003914A:G09	75600
4470	3/24/98	33	RTA00000524F.b.21.1	M00005216C:B09	0
4471	3/24/98	170	RTA00000523F.d.12.1	M00003822B:D08	64888
4472	3/24/98	117	RTA00000523F.d.18.1	M00003822B:G01	64072
4473	2/24/98	739	RTA00000423F.h.20.1	M00003914A:G06	38639
4474	2/24/98	527	RTA00000419F.m.21.1	M00003914A:E04	77947
4475	2/24/98	237	RTA00000119A.j.22.1	M00001460A:F07	80336
4476	2/24/98	349	RTA00000404F.m.10.2	M00001641D:E02	779
4477	2/24/98	462	RTA00000119A.j.23.1	M00001460A:G07	79835
4478	2/24/98	1263	RTA00000341F.i.22.1	M00003911A:F10	7825

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4479	3/24/98	47	RTA00000523F.e.18.1	M00003829D:A11	62898
4480	1/28/98	152	RTA00000196AF.c.20.1	M00001352C:H02	8934
4481	3/24/98	13	RTA00000528F.m.16.1	M00003845D:C03	4468
4482	1/28/98	14	RTA00000196R.c.11.2	M00001352A:E12	13658
4483	2/24/98	641	RTA00000410F.j.20.1	M00001642D:G10	73601
4484	1/28/98	141	RTA00000196AF.c.6.1	M00001350A:D06	23148
4485	1/28/98	25	RTA00000196AF.c.1.1	M00001349C:C05	8171
4486	2/24/98	436	RTA00000119A.m.15.1	M00001461A:E05	80989
4487	1/28/98	9	RTA00000177AF.g.22.1	M00001347C:G08	7031
4488	2/24/98	162	RTA00000406F.l.08.1	M00003908D:D12	39016
4489	2/24/98	1056	RTA00000419F.m.18.1	M00003908C:G09	76014
4490	1/28/98	73	RTA00000177AF.e.21.3	M00001344A:H07	4306
4491	3/24/98	326	RTA00000527F.e.09.1	M00003826B:E11	37521
4492	2/24/98	900	RTA00000419F.m.13.1	M00003908A:F12	79052
4493	2/24/98	441	RTA00000404F.m.20.2	M00001647A:H08	39144
4494	2/24/98	1217	RTA00000410F.j.17.1	M00001642D:F02	72912
4495	3/24/98	309	RTA00000523F.j.10.1	M00003860B:G09	63384
4496	2/24/98	385	RTA00000418F.m.14.1	M00001651B:E06	75711
4497	2/24/98	1121	RTA00000120A.m.10.3	M00001467A:B03	81376
4498	1/28/98	617	RTA00000179AF.d.13.3	M00001394A:F01	6583
4499	2/24/98	1242	RTA00000405F.d.10.1	M00001661C:F11	39000
4500	3/24/98	19	RTA00000527F.j.02.2	M00003856A:B07	4896
4501	2/24/98	645	RTA00000422F.p.12.2	M00001661C:F10	9840
4502	3/24/98	142	RTA00000523F.i.18.1	M00003856B:C04	64463
4503	2/24/98	376	RTA00000400F.k.22.1	M00001656A:B07	2512
4504	1/28/98	532	RTA00000177AF.o.4.1	M00001358C:C06	0
4505	2/24/98	1128	RTA00000423F.a.02.3	M00001656B:A08	39210
4506	2/24/98	1143	RTA00000423F.a.03.1	M00001656B:D05	26796
4507	2/24/98	408	RTA00000405F.d.14.1	M00001662A:C12	35209
4508	3/24/98	360	RTA00000523F.j.03.1	M00003860A:A08	64535
4509	1/28/98	409	RTA00000180AF.d.1.3	M00001418D:B06	8526
4510	2/24/98	784	RTA00000418F.o.14.1	M00001661B:B05	33524
4511	3/24/98	120	RTA00000426F.h.09.1	M00003905B:G03	78797
4512	1/28/98	706	RTA00000177AF.i.6.4	M00001350A:B08	0
4513	3/24/98	4	RTA00000426F.h.11.1	M00003905B:H05	75479
4514	2/24/98	697	RTA00000412F.d.14.1	M00003905D:C08	76757
4515	2/24/98	908	RTA00000423F.g.03.1	M00003905C:G11	38007
4516	3/24/98	342	RTA00000427F.e.12.1	M00003959C:G06	62813
4517	2/24/98	97	RTA00000403F.e.01.1	M00001473A:C11	38965
4518	2/24/98	555	RTA00000133A.d.22.1	M00001469A:G11	11797
4519	2/24/98	454	RTA00000418F.n.19.1	M00001659C:F02	28761
4520	2/24/98	562	RTA00000401F.j.17.1	M00003901B:C05	5483
4521	2/24/98	1215	RTA00000422F.o.08.2	M00001659D:D03	26832
4522	2/24/98	635	RTA00000418F.o.17.1	M00001661B:F03	79069
4523	3/24/98	190	RTA00000523F.h.12.1	M00003851C:D07	65745
4524	1/28/98	267	RTA00000186AF.g.11.2	M00001630B:H09	5214
4525	2/24/98	238	RTA00000340F.j.12.1	M00001624A:B06	3277
4526	2/24/98	331	RTA00000404F.o.18.2	M00001651C:C05	39110
4527	1/28/98	626	RTA00000185AR.d.11.1	M00001579D:C03	6539
4527	1/28/98	131	RTA00000185AF.d.11.2	M00001579D:C03	6539

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4528	1/28/98	626	RTA00000185AR.d.11.1	M00001579D:C03	6539
4528	1/28/98	131	RTA00000185AF.d.11.2	M00001579D:C03	6539
4529	1/28/98	147	RTA00000185AF.c.24.2	M00001578B:E04	23001
4530	2/24/98	164	RTA00000345F.k.06.1	M00001475A:A12	0
4531	2/24/98	611	RTA00000404F.p.02.2	M00001652D:A06	39097
4532	2/24/98	274	RTA00000405F.e.08.1	M00001663C:F10	37916
4533	2/24/98	755	RTA00000423F.d.17.1	M00001663A:C11	20630
4534	2/24/98	126	RTA00000422F.j.20.1	M00001653A:G07	22388
4535	3/24/98	195	RTA00000523F.i.08.1	M00003855A:C12	65099
4536	3/24/98	83	RTA00000527F.i.05.2	M00003851C:B06	37481
4537	1/28/98	375	RTA00000177AF.m.18.1	M00001355B:G11	0
4537	1/28/98	376	RTA00000177AF.m.18.3	M00001355B:G11	0
4538	2/24/98	763	RTA00000135A.m.18.1	M00001545A:C03	19255
4539	2/24/98	362	RTA00000418F.m.16.1	M00001653B:E06	74986
4540	2/24/98	287	RTA00000410F.n.09.1	M00001662C:A04	11736
4541	3/24/98	416	RTA00000527F.i.12.2	M00003852B:D11	0
4542	2/24/98	662	RTA00000339F.o.07.1	M00001473D:G01	2566
4543	2/24/98	949	RTA00000340R.j.07.1	M00001654C:D05	38954
4544	3/24/98	146	RTA00000527F.i.17.2	M00003853B:C08	37539
4545	2/24/98	939	RTA00000405F.a.03.1	M00001654C:E04	39065
4546	3/24/98	42	RTA00000527F.i.19.2	M00003853C:C06	38089
4547	3/24/98	381	RTA00000426F.f.18.1	M00003854C:C02	63271
4548	2/24/98	656	RTA00000403F.e.08.1	M00001473D:B11	19126
4549	3/24/98	37	RTA00000426F.f.20.1	M00003854C:F01	65134
4550	2/24/98	733	RTA00000405F.d.18.1	M00001662C:B02	10494
4551	1/28/98	334	RTA00000181AR.b.21.3	M00001444C:D05	3266
4551	1/28/98	321	RTA00000181AR.b.21.1	M00001444C:D05	3266
4552	3/24/98	198	RTA00000523F.o.05.1	M00005175B:H04	0
4553	3/24/98	302	RTA00000427F.p.04.2	M00005102C:F09	0
4554	3/24/98	203	RTA00000427F.p.10.2	M00005102C:F09	0
4555	1/28/98	331	RTA00000197AR.c.20.1	M00001449D:A06	16282
4556	3/24/98	6	RTA00000523F.l.10.1	M00005134B:E01	0
4557	1/28/98	174	RTA00000181AF.e.22.3	M00001448D:F09	3442
4558	3/24/98	79	RTA00000523F.l.15.1	M00005134C:E11	0
4559	3/24/98	386	RTA00000523F.l.16.1	M00005134C:G04	0
4560	3/24/98	76	RTA00000523F.l.18.1	M00005134D:A06	0
4561	3/24/98	192	RTA00000523F.m.02.1	M00005134D:H03	0
4562	3/24/98	290	RTA00000427F.l.03.1	M00005136D:B07	0
4563	3/24/98	269	RTA00000427F.p.02.2	M00005100B:D02	0
4564	1/28/98	321	RTA00000181AR.b.21.1	M00001444C:D05	3266
4564	1/28/98	334	RTA00000181AR.b.21.3	M00001444C:D05	3266
4565	3/24/98	334	RTA00000427F.n.11.1	M00004960B:A09	0
4566	1/28/98	334	RTA00000181AR.b.21.3	M00001444C:D05	3266
4566	1/28/98	321	RTA00000181AR.b.21.1	M00001444C:D05	3266
4567	1/28/98	334	RTA00000181AR.b.21.3	M00001444C:D05	3266
4567	1/28/98	321	RTA00000181AR.b.21.1	M00001444C:D05	3266
4568	3/24/98	328	RTA00000523F.n.01.1	M00005137A:E01	0
4569	1/28/98	356	RTA00000180AF.l.12.2	M00001433B:H11	0
4570	3/24/98	68	RTA00000523F.n.04.1	M00005138B:D12	0
4571	3/24/98	127	RTA00000523F.n.10.1	M00005140D:G09	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4572	1/28/98	187	RTA00000180AR.j.04.4	M00001429C:G12	22300
4573	3/24/98	112	RTA00000523F.n.12.1	M00005173C:A02	0
4574	3/24/98	305	RTA00000523F.n.16.1	M00005173D:H02	0
4575	3/24/98	164	RTA00000523F.n.17.1	M00005174D:B02	0
4576	3/24/98	107	RTA00000523F.n.20.1	M00005174D:H02	0
4577	2/24/98	898	RTA00000418F.l.03.1	M00001641C:C06	79058
4578	3/24/98	288	RTA00000427F.l.04.1	M00005136D:C01	0
4579	3/24/98	462	RTA00000427F.p.13.2	M00004695B:E04	0
4580	1/28/98	137	RTA00000181AF.m.4.3	M00001455A:E09	13238
4581	1/28/98	20	RTA00000181AF.l.14.2	M00001454D:D06	2364
4582	3/24/98	105	RTA00000526F.d.01.1	M00004104B:A02	4468
4583	3/24/98	261	RTA00000427F.i.22.1	M00004104D:B05	63199
4584	3/24/98	81	RTA00000427F.j.07.1	M00004105A:B10	64819
4585	3/24/98	287	RTA00000525F.d.19.1	M00004114B:D09	36860
4586	1/28/98	311	RTA00000191AR.j.4.2	M00004071D:A10	5198
4587	3/24/98	337	RTA00000525F.e.08.1	M00004115C:H04	24193
4588	3/24/98	206	RTA00000525F.f.07.1	M00004119A:A06	37500
4589	3/24/98	461	RTA00000427F.f.15.1	M00004119D:A07	66734
4590	3/24/98	410	RTA00000427F.f.16.1	M00004119D:H06	64122
4591	3/24/98	307	RTA00000427F.p.03.2	M00005100B:G11	0
4592	3/24/98	180	RTA00000523F.k.02.1	M00004687A:C03	0
4593	1/28/98	115	RTA00000179AR.o.20.3	M00001409D:F11	2409
4594	3/24/98	315	RTA00000427F.n.19.1	M00004891D:E07	0
4595	3/24/98	375	RTA00000427F.p.19.2	M00004895C:G05	0
4596	3/24/98	470	RTA00000427F.p.24.2	M00004897D:F03	0
4597	1/28/98	155	RTA00000197F.e.8.1	M00001454A:C11	3135
4598	1/28/98	286	RTA00000181AR.k.2.3	M00001453C:A11	0
4598	1/28/98	389	RTA00000181AR.k.2.2	M00001453C:A11	0
4599	1/28/98	286	RTA00000181AR.k.2.3	M00001453C:A11	0
4599	1/28/98	389	RTA00000181AR.k.2.2	M00001453C:A11	0
4600	1/28/98	285	RTA00000181AR.j.14.3	M00001453B:E10	5399
4601	3/24/98	317	RTA00000428F.a.01.1	M00004897D:G05	0
4602	3/24/98	85	RTA00000427F.m.21.1	M00004900C:E11	0
4603	3/24/98	121	RTA00000427F.n.02.1	M00004900D:B10	0
4604	3/24/98	78	RTA00000427F.o.05.1	M00004958B:D01	0
4605	3/24/98	437	RTA00000427F.n.10.1	M00004960B:A08	0
4606	3/24/98	388	RTA00000526F.d.17.1	M00004235A:A12	2757
4607	1/28/98	299	RTA00000196AF.f.5.1	M00001366D:G02	11937
4608	1/28/98	369	RTA00000196F.m.3.1	M00001413A:F02	10453
4609	3/24/98	319	RTA00000523F.p.15.1	M00005178B:H01	0
4610	1/28/98	374	RTA00000178AF.l.11.1	M00001383A:G04	23286
4611	2/24/98	1090	RTA00000405F.g.22.1	M00001673C:A02	527
4612	1/28/98	127	RTA00000178AF.k.18.1	M00001382A:F04	9755
4613	1/28/98	104	RTA00000196R.h.03.1	M00001381A:D02	6636
4614	2/24/98	642	RTA00000341F.h.19.1	M00003916C:C05	0
4615	2/24/98	655	RTA00000351R.p.14.1	M00003915C:H04	13166
4616	1/28/98	145	RTA00000178AF.h.24.1	M00001376B:C06	6745
4617	2/24/98	224	RTA00000341F.g.21.1	M00003914C:F09	8823
4618	2/24/98	301	RTA00000401F.m.23.1	M00003914C:C02	2801
4619	2/24/98	133	RTA00000404F.l.20.1	M00001639B:H05	38638

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4619	2/24/98	63	RTA00000404F.i.20.2	M00001639B:H05	38638
4620	2/24/98	542	RTA00000410F.i.19.1	M00001641B:C10	78988
4621	2/24/98	63	RTA00000404F.i.20.2	M00001639B:H05	38638
4621	2/24/98	133	RTA00000404F.i.20.1	M00001639B:H05	38638
4622	2/24/98	600	RTA00000406F.m.04.1	M00003914B:A11	14959
4623	1/28/98	33	RTA00000178AR.a.20.1	M00001362C:H11	945
4623	2/24/98	979	RTA00000345F.b.17.1	M00001362C:H11	945
4624	1/28/98	33	RTA00000178AR.a.20.1	M00001362C:H11	945
4624	2/24/98	979	RTA00000345F.b.17.1	M00001362C:H11	945
4625	3/24/98	73	RTA00000524F.b.12.1	M00005213C:G01	0
4626	1/28/98	373	RTA00000196F.e.12.1	M00001361C:H11	10147
4627	2/24/98	1233	RTA00000418F.i.02.1	M00001641C:C05	39316
4628	3/24/98	184	RTA00000524F.b.18.1	M00005214B:D11	0
4629	3/24/98	353	RTA00000428F.a.18.1	M00005214C:A09	0
4630	1/28/98	89	RTA00000177AF.n.8.3	M00001356D:F06	4188
4630	1/28/98	15	RTA00000177AR.n.8.1	M00001356D:F06	4188
4631	1/28/98	89	RTA00000177AF.n.8.3	M00001356D:F06	4188
4631	1/28/98	15	RTA00000177AR.n.8.1	M00001356D:F06	4188
4632	1/28/98	375	RTA00000177AF.m.18.1	M00001355B:G11	0
4632	1/28/98	376	RTA00000177AF.m.18.3	M00001355B:G11	0
4633	1/28/98	375	RTA00000177AF.m.18.1	M00001355B:G11	0
4633	1/28/98	376	RTA00000177AF.m.18.3	M00001355B:G11	0
4634	2/24/98	682	RTA00000410F.i.17.1	M00001641B:B01	78147
4635	1/28/98	367	RTA00000196F.i.24.1	M00001392C:D10	4233
4636	1/28/98	264	RTA00000179AF.k.3.3	M00001401A:H07	0
4637	1/28/98	333	RTA00000196F.k.15.1	M00001400A:F06	8320
4638	1/28/98	38	RTA00000196R.k.07.1	M00001399C:D09	22443
4638	1/28/98	289	RTA00000196F.k.07.1	M00001399C:D09	22443
4639	1/28/98	289	RTA00000196R.k.07.1	M00001399C:D09	22443
4639	1/28/98	289	RTA00000196F.k.07.1	M00001399C:D09	22443
4640	1/28/98	289	RTA00000196F.k.07.1	M00001399C:D09	22443
4640	1/28/98	38	RTA00000196R.k.07.1	M00001399C:D09	22443
4641	1/28/98	38	RTA00000196R.k.07.1	M00001399C:D09	22443
4641	1/28/98	289	RTA00000196F.k.07.1	M00001399C:D09	22443
4642	3/24/98	324	RTA00000523F.o.09.1	M00005176A:C12	0
4643	3/24/98	122	RTA00000523F.o.12.1	M00005177A:B06	0
4644	1/28/98	167	RTA00000179AF.d.22.3	M00001394C:C11	7955
4645	1/28/98	351	RTA00000179AF.c.22.1	M00001393B:B09	22515
4645	1/28/98	459	RTA00000179AF.c.22.3	M00001393B:B09	22515
4646	1/28/98	351	RTA00000179AF.c.22.1	M00001393B:B09	22515
4646	1/28/98	459	RTA00000179AF.c.22.3	M00001393B:B09	22515
4647	3/24/98	361	RTA00000523F.p.08.1	M00005178A:A07	0
4648	1/28/98	43	RTA00000179AF.c.14.3	M00001392D:H04	0
4649	3/24/98	268	RTA00000427F.k.19.1	M00004103B:B07	62851
4650	3/24/98	473	RTA00000523F.o.21.1	M00005177C:A01	0
4651	1/28/98	60	RTA00000196AR.i.12.3	M00001389D:G11	38800
4651	1/28/98	128	RTA00000196F.i.12.1	M00001389D:G11	38800
4652	1/28/98	128	RTA00000196F.i.12.1	M00001389D:G11	38800
4652	1/28/98	60	RTA00000196AR.i.12.3	M00001389D:G11	38800
4653	1/28/98	60	RTA00000196AR.i.12.3	M00001389D:G11	38800

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4653	1/28/98	128	RTA00000196F.i.12.1	M00001389D:G11	38800
4654	1/28/98	60	RTA00000196AR.i.12.3	M00001389D:G11	38800
4654	1/28/98	128	RTA00000196F.i.12.1	M00001389D:G11	38800
4655	1/28/98	28	RTA00000178AR.o.01.5	M00001387B:H07	0
4656	1/28/98	279	RTA00000196AF.h.24.1	M00001386A:D11	7308
4657	1/28/98	130	RTA00000196AF.h.23.1	M00001386A:C02	13357
4658	1/28/98	254	RTA00000178AF.n.2.1	M00001385C:H11	17083
4659	1/28/98	74	RTA00000196AF.h.20.1	M00001385B:F10	0
4660	1/28/98	377	RTA00000178AF.m.19.1	M00001384D:H07	0
4660	1/28/98	120	RTA00000178AR.m.19.5	M00001384D:H07	0
4661	1/28/98	377	RTA00000178AF.m.19.1	M00001384D:H07	0
4661	1/28/98	120	RTA00000178AR.m.19.5	M00001384D:H07	0
4662	3/24/98	228	RTA00000523F.o.14.1	M00005177A:H09	0
4663	1/28/98	567	RTA00000177AR.m.13.1	M00001355A:C12	4175
4663	1/28/98	538	RTA00000177AR.m.13.3	M00001355A:C12	4175
4663	1/28/98	533	RTA00000177AR.m.13.4	M00001355A:C12	4175
4664	1/28/98	511	RTA00000196AF.g.10.1	M00001376B:A02	12498
4665	1/28/98	620	RTA00000201R.g.08.1	M00004692A:E07	0
4665	1/28/98	619	RTA00000201F.g.08.1	M00004692A:E07	0
4665	1/28/98	621	RTA00000201R.g.08.2	M00004692A:E07	0
4666	3/24/98	194	RTA00000522F.j.12.2	M00001651C:A04	74341
4667	2/24/98	79	RTA00000419F.g.08.1	M00003842C:D11	66700
4668	1/28/98	619	RTA00000201F.g.08.1	M00004692A:E07	0
4668	1/28/98	620	RTA00000201R.g.08.1	M00004692A:E07	0
4668	1/28/98	621	RTA00000201R.g.08.2	M00004692A:E07	0
4669	1/28/98	529	RTA00000178AF.b.13.1	M00001364A:E11	3114
4670	2/24/98	111	RTA00000128A.i.20.1	M00001560A:F03	9900
4671	3/24/98	379	RTA00000522F.k.02.2	M00001652C:B09	77622
4672	3/24/98	135	RTA00000522F.k.10.2	M00001652D:B09	77619
4673	2/24/98	1197	RTA00000128A.j.10.1	M00001560A:H06	80085
4674	2/24/98	140	RTA00000128A.j.6.2	M00001560A:H10	5316
4675	3/24/98	247	RTA00000425F.j.21.1	M00001633B:B11	77373
4676	1/28/98	538	RTA00000177AR.m.13.3	M00001355A:C12	4175
4676	1/28/98	567	RTA00000177AR.m.13.1	M00001355A:C12	4175
4676	1/28/98	533	RTA00000177AR.m.13.4	M00001355A:C12	4175
4677	2/24/98	729	RTA00000403F.m.20.1	M00001576A:F11	707
4677	2/24/98	437	RTA00000403F.m.20.2	M00001576A:F11	707
4678	1/28/98	533	RTA00000177AR.m.13.4	M00001355A:C12	4175
4678	1/28/98	538	RTA00000177AR.m.13.3	M00001355A:C12	4175
4678	1/28/98	567	RTA00000177AR.m.13.1	M00001355A:C12	4175
4679	1/28/98	533	RTA00000177AR.m.13.4	M00001355A:C12	4175
4679	1/28/98	538	RTA00000177AR.m.13.3	M00001355A:C12	4175
4679	1/28/98	567	RTA00000177AR.m.13.1	M00001355A:C12	4175
4680	1/28/98	538	RTA00000177AR.m.13.3	M00001355A:C12	4175
4680	1/28/98	567	RTA00000177AR.m.13.1	M00001355A:C12	4175
4680	1/28/98	533	RTA00000177AR.m.13.4	M00001355A:C12	4175
4681	1/28/98	533	RTA00000177AR.m.13.4	M00001355A:C12	4175
4681	1/28/98	538	RTA00000177AR.m.13.3	M00001355A:C12	4175
4681	1/28/98	567	RTA00000177AR.m.13.1	M00001355A:C12	4175
4682	1/28/98	620	RTA00000201R.g.08.1	M00004692A:E07	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4682	1/28/98	621	RTA00000201R.g.08.2	M00004692A:E07	0
4682	1/28/98	619	RTA00000201F.g.08.1	M00004692A:E07	0
4683	2/24/98	845	RTA00000348R.b.04.1	M00001342B:E01	1890
4684	2/24/98	1088	RTA00000339R.b.02.1	M00001344B:F12	0
4684	2/24/98	1149	RTA00000339F.b.02.1	M00001344B:F12	0
4685	2/24/98	618	RTA00000423F.l.04.1	M00004039B:G08	14320
4686	2/24/98	1235	RTA00000411F.j.04.1	M00003841C:F03	66219
4687	2/24/98	415	RTA00000340R.f.05.1	M00001569B:G11	3202
4688	2/24/98	1088	RTA00000339R.b.02.1	M00001344B:F12	0
4688	2/24/98	1149	RTA00000339F.b.02.1	M00001344B:F12	0
4689	2/24/98	1067	RTA00000411F.j.11.1	M00003841D:F06	66154
4690	1/28/98	429	RTA00000196F.i.19.1	M00001390C:C11	39498
4690	2/24/98	925	RTA00000353R.h.10.1	M00001390C:C11	39498
4691	1/28/98	508	RTA00000187AF.i.14.2	M00001679B:H07	19406
4691	2/24/98	928	RTA00000340F.m.04.1	M00001679B:H07	19406
4692	2/24/98	10	RTA00000350R.c.12.1	M00001550D:A04	9728
4693	1/28/98	553	RTA00000201F.b.22.1	M00004344B:H04	35728
4694	1/28/98	459	RTA00000179AF.c.22.3	M00001393B:B09	22515
4694	1/28/98	351	RTA00000179AF.c.22.1	M00001393B:B09	22515
4695	1/28/98	351	RTA00000179AF.c.22.1	M00001393B:B09	22515
4695	1/28/98	459	RTA00000179AF.c.22.3	M00001393B:B09	22515
4696	2/24/98	235	RTA00000126A.o.23.1	M00001551A:B10	6268
4697	2/24/98	942	RTA00000126A.n.6.2	M00001551A:D04	79917
4698	2/24/98	228	RTA00000411F.k.19.1	M00003852D:E08	64200
4699	1/28/98	638	RTA00000193AF.l.05.2	M00004348A:A02	2815
4700	3/24/98	431	RTA00000425F.l.09.1	M00001638A:B04	75251
4701	1/28/98	540	RTA00000179AF.b.10.3	M00001391D:D10	0
4702	2/24/98	390	RTA00000355R.a.14.1	M00004187D:G09	10207
4703	1/28/98	429	RTA00000196F.i.19.1	M00001390C:C11	39498
4703	2/24/98	925	RTA00000353R.h.10.1	M00001390C:C11	39498
4704	2/24/98	930	RTA00000127A.h.22.2	M00001554A:E04	13155
4705	2/24/98	1193	RTA00000411F.k.14.1	M00003851A:C10	63987
4706	1/28/98	694	RTA00000201R.c.19.1	M00004370A:G05	22357
4707	3/24/98	80	RTA00000425F.p.12.1	M00001638C:G01	73219
4708	3/24/98	344	RTA00000425F.p.15.1	M00001638C:H07	31680
4709	1/28/98	743	RTA00000178AF.k.9.1	M00001381B:F06	16342
4710	2/24/98	202	RTA00000419F.g.22.1	M00003845D:A09	64515
4711	1/28/98	749	RTA00000178AR.i.13.4	M00001377B:H01	0
4712	3/24/98	217	RTA00000425F.j.16.1	M00001639D:F02	75631
4713	3/24/98	448	RTA00000425F.j.18.1	M00001639D:G12	75561
4714	1/28/98	385	RTA00000201F.c.24.1	M00004374D:E10	35731
4715	2/24/98	904	RTA00000127A.e.6.1	M00001553A:E07	5885
4716	2/24/98	620	RTA00000420F.a.07.1	M00004072C:F08	63405
4717	1/28/98	396	RTA00000179AR.b.02.3	M00001391B:G12	0
4718	2/24/98	463	RTA00000403F.o.22.1	M00001583A:D01	25076
4718	2/24/98	1084	RTA00000403F.o.22.2	M00001583A:D01	25076
4719	2/24/98	1225	RTA00000346F.j.13.1	M00003841C:E04	5337
4720	2/24/98	1221	RTA00000403F.o.17.1	M00001582D:A02	23085
4721	2/24/98	878	RTA00000413F.c.12.1	M00004083B:G03	65334
4722	2/24/98	764	RTA00000413F.c.17.1	M00004085B:B05	36831

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4723	2/24/98	398	RTA00000407F.b.04.1	M00004086D:B09	63221
4724	2/24/98	1179	RTA00000341F.o.12.1	M00004144A:F04	2883
4725	2/24/98	7	RTA00000413F.d.12.1	M00004088C:A12	66467
4726	2/24/98	881	RTA00000413F.d.15.1	M00004088C:E04	64943
4727	2/24/98	463	RTA00000403F.o.22.1	M00001583A:D01	25076
4727	2/24/98	1084	RTA00000403F.o.22.2	M00001583A:D01	25076
4728	2/24/98	1084	RTA00000403F.o.22.2	M00001583A:D01	25076
4728	2/24/98	463	RTA00000403F.o.22.1	M00001583A:D01	25076
4729	1/28/98	506	RTA00000198R.o.09.1	M00003751B:A05	4310
4729	1/28/98	497	RTA00000198AF.o.09.1	M00003751B:A05	4310
4730	2/24/98	1015	RTA00000129A.b.6.2	M00001582A:H01	39111
4731	2/24/98	866	RTA00000407F.b.08.1	M00004088D:B03	37513
4732	2/24/98	943	RTA00000413F.c.03.1	M00004081D:H09	64527
4733	2/24/98	463	RTA00000403F.o.22.1	M00001583A:D01	25076
4733	2/24/98	1084	RTA00000403F.o.22.2	M00001583A:D01	25076
4734	1/28/98	490	RTA00000198AF.n.05.1	M00001687A:G01	24157
4735	2/24/98	798	RTA00000420F.c.04.1	M00004089A:B08	65007
4736	2/24/98	850	RTA00000420F.c.07.1	M00004089A:E02	65555
4737	2/24/98	199	RTA00000403F.m.13.2	M00001575D:A10	39077
4738	1/28/98	424	RTA00000187AR.j.24.1	M00001679D:B05	78356
4738	1/28/98	418	RTA00000187AR.k.01.1	M00001679D:B05	78356
4739	1/28/98	424	RTA00000187AR.j.24.1	M00001679D:B05	78356
4739	1/28/98	418	RTA00000187AR.k.01.1	M00001679D:B05	78356
4740	1/28/98	418	RTA00000187AR.k.01.1	M00001679D:B05	78356
4740	1/28/98	424	RTA00000187AR.j.24.1	M00001679D:B05	78356
4741	1/28/98	424	RTA00000187AR.j.24.1	M00001679D:B05	78356
4741	1/28/98	418	RTA00000187AR.k.01.1	M00001679D:B05	78356
4742	1/28/98	482	RTA00000187AF.j.7.1	M00001679C:F01	78091
4743	1/28/98	693	RTA00000198F.m.12.1	M00001579C:D05	4
4744	3/24/98	23	RTA00000522F.p.07.1	M00001670A:C11	76888
4745	1/28/98	497	RTA00000198AF.o.09.1	M00003751B:A05	4310
4745	1/28/98	506	RTA00000198R.o.09.1	M00003751B:A05	4310
4746	1/28/98	642	RTA00000189AF.i.14.1	M00003868B:G11	0
4747	2/24/98	1119	RTA00000126A.k.24.1	M00001550A:F07	39428
4748	2/24/98	654	RTA00000421F.a.05.1	M00001570C:G06	5278
4749	2/24/98	1146	RTA00000347F.h.02.1	M00004072D:H12	562
4750	2/24/98	137	RTA00000339R.a.06.1	M00001346A:E04	58694
4751	2/24/98	729	RTA00000403F.m.20.1	M00001576A:F11	707
4751	2/24/98	437	RTA00000403F.m.20.2	M00001576A:F11	707
4752	2/24/98	627	RTA00000408F.p.21.1	M00001579A:C03	77930
4753	2/24/98	735	RTA00000420F.a.11.1	M00004073C:D04	66460
4754	2/24/98	525	RTA00000348R.d.24.1	M00001349B:G05	5774
4755	2/24/98	624	RTA00000420F.a.16.1	M00004075D:C10	63345
4756	2/24/98	437	RTA00000403F.m.20.2	M00001576A:F11	707
4756	2/24/98	729	RTA00000403F.m.20.1	M00001576A:F11	707
4757	2/24/98	437	RTA00000403F.m.20.2	M00001576A:F11	707
4757	2/24/98	729	RTA00000403F.m.20.1	M00001576A:F11	707
4758	1/28/98	499	RTA00000199F.b.22.2	M00003791C:E09	17018
4759	2/24/98	843	RTA00000418F.g.03.1	M00001579C:E06	78737
4760	2/24/98	956	RTA00000423F.l.06.1	M00004062A:H06	38136

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4761	2/24/98	826	RTA00000422F.e.07.1	M00001579C:G05	38964
4761	2/24/98	832	RTA00000403F.o.10.2	M00001579C:G05	38964
4762	2/24/98	826	RTA00000422F.e.07.1	M00001579C:G05	38964
4762	2/24/98	832	RTA00000403F.o.10.2	M00001579C:G05	38964
4763	2/24/98	826	RTA00000422F.e.07.1	M00001579C:G05	38964
4763	2/24/98	832	RTA00000403F.o.10.2	M00001579C:G05	38964
4764	2/24/98	826	RTA00000422F.e.07.1	M00001579C:G05	38964
4764	2/24/98	832	RTA00000403F.o.10.2	M00001579C:G05	38964
4765	2/24/98	1159	RTA00000413F.b.18.1	M00004078C:F04	39873
4766	2/24/98	1122	RTA00000419F.f.16.1	M00003839D:E02	64679
4767	2/24/98	1053	RTA00000413F.b.24.1	M00004080A:F01	65117
4768	2/24/98	1052	RTA00000420F.b.02.1	M00004081A:A08	64013
4769	2/24/98	157	RTA00000339F.a.23.1	M00001361B:C07	4022
4770	1/28/98	452	RTA00000199F.d.19.2	M00003813D:H12	6707
4771	2/24/98	480	RTA00000411F.i.15.1	M00003837C:G08	31612
4772	2/24/98	125	RTA00000403F.m.18.1	M00001576A:B09	39185
4773	2/24/98	548	RTA00000413F.b.12.1	M00004077B:H11	64932
4774	2/24/98	814	RTA00000408F.l.24.1	M00001530B:G09	34263
4775	1/28/98	688	RTA00000193AF.g.3.1	M00004050D:A06	5567
4776	1/28/98	451	RTA00000200AF.b.20.1	M00004043A:D02	40403
4777	1/28/98	456	RTA00000200AF.b.12.1	M00004040B:F10	22053
4778	2/24/98	849	RTA00000122A.n.16.1	M00001517A:G08	80553
4779	1/28/98	12	RTA00000183AF.i.15.2	M00001529B:C04	2642
4779	2/24/98	379	RTA00000349R.j.07.1	M00001529B:C04	2642
4780	1/28/98	12	RTA00000183AF.i.15.2	M00001529B:C04	2642
4780	2/24/98	379	RTA00000349R.j.07.1	M00001529B:C04	2642
4781	1/28/98	512	RTA00000191AF.c.3.1	M00003987D:D06	3549
4782	2/24/98	431	RTA00000399F.j.15.1	M00001578C:G06	1261
4783	1/28/98	586	RTA00000199R.o.11.1	M00003976C:A19	23172
4784	1/28/98	496	RTA00000190AF.p.3.1	M00003975B:F03	2378
4785	2/24/98	340	RTA00000408F.l.13.1	M00001530A:B12	4423
4786	1/28/98	617	RTA00000179AF.d.13.3	M00001394A:F01	6583
4787	2/24/98	779	RTA00000408F.l.16.1	M00001530A:F12	73468
4788	1/28/98	387	RTA00000191AF.j.14.1	M00004073A:H12	1002
4788	2/24/98	632	RTA00000191AF.j.14.1	M00004073A:H12	1002
4789	1/28/98	464	RTA00000199AF.l.14.1	M00003917A:D02	22865
4790	2/24/98	668	RTA00000408F.m.05.2	M00001530C:G10	23384
4791	2/24/98	1066	RTA00000123A.f.2.1	M00001531A:H03	80379
4792	2/24/98	213	RTA00000123A.f.3.1	M00001531A:H07	44017
4793	2/24/98	43	RTA00000420F.g.04.1	M00004891B:B12	0
4794	2/24/98	302	RTA00000356R.f.18.1	M00004692A:H10	0
4795	2/24/98	308	RTA00000353R.d.11.1	M00004692A:H08	0
4796	2/24/98	975	RTA00000411F.n.02.1	M00003870B:F04	78049
4797	1/28/98	722	RTA00000199R.j.24.1	M00003895C:A10	0
4798	2/24/98	643	RTA00000420F.l.14.2	M00005230D:F06	0
4799	1/28/98	480	RTA00000181AF.o.08.2	M00001457C:H12	849
4800	1/28/98	518	RTA00000199AF.n.22.1	M00003971A:A06	23064
4801	1/28/98	618	RTA00000192AF.a.14.1	M00004111D:A08	6874
4802	2/24/98	937	RTA00000121A.n.15.1	M00001511A:G08	40849
4803	2/24/98	821	RTA00000420F.h.16.1	M00004927A:E06	0

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4804	2/24/98	658	RTA00000121A.n.2.1	M00001511A:A05	33585
4805	2/24/98	551	RTA00000340F.b.05.1	M00001513A:G07	0
4806	2/24/98	172	RTA00000420F.i.17.1	M00005101C:B09	0
4807	2/24/98	1224	RTA00000122A.h.24.1	M00001514A:A12	48
4808	1/28/98	631	RTA00000200AF.h.19.2	M00004151D:E03	0
4809	2/24/98	80	RTA00000122A.g.16.1	M00001514A:B04	81366
4810	2/24/98	809	RTA00000420F.i.23.1	M00005134A:D11	0
4811	2/24/98	650	RTA00000122A.g.17.1	M00001514A:B08	32655
4812	2/24/98	73	RTA00000413F.p.15.2	M00005136D:D06	0
4813	1/28/98	425	RTA00000200AF.c.16.1	M00004064D:A11	23433
4814	2/24/98	60	RTA00000413F.p.17.2	M00005136D:G06	0
4815	1/28/98	387	RTA00000191AF.j.14.1	M00004073A:H12	1002
4815	2/24/98	632	RTA00000191AF.j.14.1	M00004073A:H12	1002
4816	2/24/98	837	RTA00000420F.h.01.1	M00004897C:D06	0
4817	2/24/98	123	RTA00000122A.j.18.1	M00001516A:D05	81317
4818	2/24/98	77	RTA00000420F.j.22.1	M00005173B:F01	0
4819	1/28/98	734	RTA00000200AF.d.21.1	M00004087C:D03	0
4820	1/28/98	733	RTA00000200AF.d.20.1	M00004087A:G08	26600
4821	2/24/98	1003	RTA00000420F.k.08.2	M00005176C:C09	0
4822	1/28/98	442	RTA00000191AF.l.9.1	M00004081C:H06	0
4823	1/28/98	457	RTA00000191AR.l.7.2	M00004081C:D12	14391
4824	2/24/98	552	RTA00000411F.n.12.1	M00003875A:C04	73308
4825	2/24/98	782	RTA00000419F.k.03.1	M00003871C:B05	40822
4826	2/24/98	839	RTA00000414F.b.01.1	M00005212B:A02	0
4827	1/28/98	674	RTA00000197AR.e.24.1	M00001456B:F10	39250
4827	1/28/98	3	RTA00000197AF.e.24.1	M00001456B:F10	39250
4828	1/28/98	669	RTA00000192AF.c.2.1	M00004121B:G01	0
4829	1/28/98	718	RTA00000196F.l.14.2	M00001408B:G06	23144
4830	2/24/98	1259	RTA00000420F.l.19.2	M00005231A:I04	0
4831	1/28/98	717	RTA00000200F.o.10.2	M00004269B:C08	36432
4832	2/24/98	107	RTA00000125A.g.16.1	M00001544A:C09	21497
4833	1/28/98	697	RTA00000193AF.e.21.1	M00004271B:B06	0
4834	2/24/98	829	RTA00000411F.m.11.1	M00003867A:D12	73196
4835	1/28/98	409	RTA00000180AF.d.1.3	M00001418D:B06	8526
4836	3/24/98	426	RTA00000424F.k.21.1	M00001614A:A04	73197
4837	2/24/98	874	RTA00000346F.o.22.1	M00004300C:H09	7381
4838	3/24/98	136	RTA00000424F.m.22.1	M00001614C:E11	72943
4839	2/24/98	636	RTA00000418F.e.21.1	M00001577B:A03	74773
4840	2/24/98	1202	RTA00000347F.h.10.1	M00004206A:E02	22779
4841	2/24/98	1030	RTA00000125A.c.17.1	M00001542A:E04	80619
4842	2/24/98	753	RTA00000345F.o.13.1	M00001546B:F12	11500
4843	2/24/98	221	RTA00000414F.f.13.1	M00005259D:H08	0
4844	2/24/98	193	RTA00000347F.b.10.1	M00001546C:C07	8044
4845	2/24/98	1104	RTA00000126A.b.10.1	M00001547A:F06	0
4846	2/24/98	1177	RTA00000126A.b.9.1	M00001547A:F11	81279
4847	2/24/98	923	RTA00000126A.d.19.1	M00001548A:G01	79474
4848	2/24/98	98	RTA00000411F.l.03.1	M00003854D:A12	62702
4849	2/24/98	625	RTA00000126A.h.22.2	M00001549A:F01	0
4850	1/28/98	710	RTA00000196AF.l.3.1	M00001405B:D07	20864
4851	2/24/98	1102	RTA00000126A.j.15.2	M00001549A:H11	40425

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4852	3/24/98	467	RTA00000528F.h.02.2	M00001632C:D08	1701
4853	1/28/98	411	RTA00000179AF.j.13.3	M00001400B:H06	0
4854	2/24/98	1126	RTA00000136A.h.6.1	M00001550A:D09	81620
4855	1/28/98	712	RTA00000201F.b.21.1	M00004341B:G03	9071
4856	2/24/98	1257	RTA00000419F.h.21.1	M00003856C:B08	64828
4857	2/24/98	194	RTA00000124A.k.5.1	M00001538A:F12	80252
4858	1/28/98	508	RTA00000187AF.i.14.2	M00001679B:H07	19406
4858	2/24/98	928	RTA00000340F.m.04.1	M00001679B:H07	19406
4859	1/28/98	3	RTA00000197AF.e.24.1	M00001456B:F10	39250
4859	1/28/98	674	RTA00000197AR.e.24.1	M00001456B:F10	39250
4860	2/24/98	606	RTA00000420F.l.20.2	M00005232A:C10	0
4861	2/24/98	30	RTA00000411F.m.24.1	M00003870B:B08	77568
4862	2/24/98	31	RTA00000134A.j.10.1	M00001534A:G06	81383
4863	2/24/98	1136	RTA00000406F.c.05.1	M00003870A:H01	22077
4864	2/24/98	411	RTA00000420F.m.12.1	M00005234D:B04	0
4865	2/24/98	1086	RTA00000403F.n.22.2	M00001578B:B05	26775
4865	2/24/98	1085	RTA00000403F.n.22.1	M00001578B:B05	26775
4866	2/24/98	1018	RTA00000413F.j.21.1	M00004688A:A02	0
4867	2/24/98	657	RTA00000124A.k.20.1	M00001538A:C08	80913
4868	2/24/98	718	RTA00000124A.k.23.1	M00001538A:D03	81350
4869	2/24/98	1092	RTA00000125A.c.2.1	M00001542A:F06	40148
4870	2/24/98	615	RTA00000135A.b.23.1	M00001538A:D12	35241
4871	2/24/98	639	RTA00000414F.d.09.1	M00005231C:B01	0
4872	2/24/98	1086	RTA00000403F.n.22.2	M00001578B:B05	26775
4872	2/24/98	1085	RTA00000403F.n.22.1	M00001578B:B05	26775
4873	2/24/98	99	RTA00000420F.m.19.1	M00005254D:B08	0
4874	2/24/98	1085	RTA00000403F.n.22.1	M00001578B:B05	26775
4874	2/24/98	1086	RTA00000403F.n.22.2	M00001578B:B05	26775
4875	2/24/98	1086	RTA00000403F.n.22.2	M00001578B:B05	26775
4875	2/24/98	1085	RTA00000403F.n.22.1	M00001578B:B05	26775
4876	1/28/98	725	RTA00000197AF.b.1.1	M00001441D:E04	12134
4877	2/24/98	215	RTA00000403F.j.18.1	M00001539D:E10	5790
4878	2/24/98	1010	RTA00000408F.n.16.2	M00001540C:B03	73720
4879	2/24/98	1074	RTA00000423F.h.11.1	M00003867C:E11	38977
4880	2/24/98	27	RTA00000420F.n.19.2	M00005259B:C01	0
4881	1/28/98	578	RTA00000180AF.g.17.1	M00001426A:A09	16653
4882	2/24/98	1172	RTA00000423F.h.03.1	M00003875D:D09	37903
4883	2/24/98	1008	RTA00000414F.f.07.1	M00005259C:B05	0
4884	2/24/98	582	RTA00000414F.e.14.1	M00005236B:F10	0
4885	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
4885	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
4885	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
4886	2/24/98	1223	RTA00000347F.a.14.1	M00001429D:F11	7421
4887	2/24/98	488	RTA00000339F.k.23.1	M00001429D:H12	0
4888	3/24/98	100	RTA00000424F.i.21.1	M00001596A:E07	73482
4889	3/24/98	64	RTA00000424F.i.24.1	M00001596A:G06	79101
4890	3/24/98	207	RTA00000424F.j.07.1	M00001596B:C11	79211
4891	3/24/98	327	RTA00000424F.j.08.1	M00001596B:D09	73972
4892	3/24/98	349	RTA00000424F.j.09.1	M00001596B:H05	74387
4893	3/24/98	154	RTA00000522F.h.13.1	M00001596C:F09	40823

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
4894	2/24/98	1252	RTA00000400F.g.08.1	M00001639A:C11	1275
4895	2/24/98	261	RTA00000341F.b.06.1	M00003794A:E12	17008
4896	1/28/98	312	RTA00000193AF.h.2.1	M00004290A:B03	3273
4897	1/28/98	590	RTA00000190AF.d.2.1	M00003906B:F12	2444
4898	1/28/98	213	RTA00000200F.o.04.1	M00004260D:C12	12514
4899	2/24/98	333	RTA00000399F.f.11.1	M00001487C:F01	40167
4900	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
4900	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
4900	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
4901	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
4901	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
4901	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
4902	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
4902	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
4902	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
4903	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
4903	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
4903	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
4904	1/28/98	249	RTA00000200R.o.03.2	M00004257C:H06	22807
4904	1/28/98	85	RTA00000200R.o.03.1	M00004257C:H06	22807
4904	1/28/98	178	RTA00000200F.o.03.1	M00004257C:H06	22807
4905	3/24/98	133	RTA00000425F.f.04.1	M00001607A:B06	24633
4906	3/24/98	169	RTA00000425F.f.05.1	M00001607A:D10	24090
4907	2/24/98	44	RTA00000418F.k.14.1	M00001639A:H06	76133
4908	2/24/98	1204	RTA00000419F.l.02.1	M00003879A:C01	75736
4909	2/24/98	748	RTA00000346F.f.11.1	M00003793C:D09	38528
4910	2/24/98	4	RTA00000339F.i.20.1	M00001438D:C06	4356
4911	1/28/98	93	RTA00000200F.o.11.1	M00004270A:F11	0
4912	1/28/98	435	RTA00000182AR.e.22.1	M00001467A:D08	16283
4913	1/28/98	683	RTA00000187AR.j.01.1	M00001679C:D01	79028
4914	3/24/98	469	RTA00000522F.e.20.1	M00001590B:H10	26770
4915	1/28/98	172	RTA00000186AF.p.09.2	M00001655C:E04	6879
4916	2/24/98	806	RTA00000345F.f.08.1	M00001413B:H09	0
4917	1/28/98	677	RTA00000197AF.i.19.1	M00001490B:H11	39554
4918	1/28/98	443	RTA00000197AR.i.17.1	M00001490A:E11	3516
4919	2/24/98	863	RTA00000406F.p.08.1	M00004032C:B02	37573
4920	3/24/98	55	RTA00000528F.e.23.1	M00001593B:D10	19242
4921	2/24/98	1211	RTA00000399F.f.14.1	M00001487D:C11	11483
4922	1/28/98	609	RTA00000196AF.n.05.1	M00001418B:F07	12531
4922	2/24/98	1120	RTA00000353R.l.23.1	M00001418B:F07	12531
4923	1/28/98	609	RTA00000196AF.n.05.1	M00001418B:F07	12531
4923	2/24/98	1120	RTA00000353R.l.23.1	M00001418B:F07	12531
4924	3/24/98	474	RTA00000522F.h.05.1	M00001595C:H11	73358
4925	1/28/98	284	RTA00000199F.d.10.2	M00003808C:B05	22049
4925	2/24/98	816	RTA00000354R.n.04.1	M00003808C:B05	22049
4926	2/24/98	1112	RTA00000418F.c.05.1	M00001487B:F02	76475
4927	1/28/98	687	RTA00000197AF.g.4.1	M00001464B:B03	8821
4928	2/24/98	990	RTA00000121A.h.19.1	M00001471A:D04	80334
4929	1/28/98	696	RTA00000180AR.d.16.3	M00001419D:C10	11393
4929	2/24/98	1184	RTA00000345F.h.08.1	M00001419D:C10	11393

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4930	1/28/98	751	RTA00000179AF.c.4.3	M00001392D:B11	0
4931	1/28/98	696	RTA00000180AR.d.16.3	M00001419D:C10	11393
4931	2/24/98	1184	RTA00000345F.h.08.1	M00001419D:C10	11393
4932	1/28/98	162	RTA00000201F.e.15.1	M00004444B:D11	9960
4933	1/28/98	126	RTA00000201F.d.16.1	M00004388B:A08	0
4934	1/28/98	332	RTA00000193AR.n.04.3	M00004375C:D01	9850
4935	2/24/98	838	RTA00000408F.k.19.1	M00001487C:G03	77593
4936	2/24/98	113	RTA00000401F.e.02.1	M00003805B:C04	0
4937	3/24/98	278	RTA00000522F.g.21.1	M00001595C:A09	77310
4938	3/24/98	54	RTA00000425F.f.19.1	M00001653D:G07	32635
4939	2/24/98	976	RTA00000419F.b.17.1	M00003808D:D04	63261
4940	2/24/98	59	RTA00000346F.j.08.1	M00003879B:A06	39951
4941	2/24/98	151	RTA00000341F.c.21.1	M00003789C:F06	7899
4942	1/28/98	67	RTA00000200AF.g.07.1	M00004128B:G01	0
4943	2/24/98	324	RTA00000340F.p.17.1	M00003750C:H05	0
4944	2/24/98	476	RTA00000345F.h.01.1	M00001441B:D11	10834
4945	2/24/98	245	RTA00000195AF.d.20.1	M00004117A:D11	37574
4945	1/28/98	87	RTA00000195AF.d.20.1	M00004117A:D11	37574
4946	2/24/98	245	RTA00000195AF.d.20.1	M00004117A:D11	37574
4946	1/28/98	87	RTA00000195AF.d.20.1	M00004117A:D11	37574
4947	2/24/98	991	RTA00000419F.b.10.1	M00001694C:G04	78566
4948	2/24/98	14	RTA00000419F.b.09.1	M00001694C:F12	78128
4949	1/28/98	261	RTA00000192AF.a.24.1	M00004114C:F11	13183
4950	1/28/98	24	RTA00000200AF.f.11.1	M00004111D:D11	0
4951	3/24/98	408	RTA00000522F.o.10.1	M00001660D:E05	78798
4952	1/28/98	328	RTA00000200AF.g.09.1	M00004131B:H09	22785
4952	1/28/98	26	RTA00000200R.g.09.1	M00004131B:H09	22785
4953	2/24/98	861	RTA00000419F.b.06.1	M00001694B:B08	76728
4954	3/24/98	24	RTA00000522F.n.08.1	M00001656A:D10	76345
4955	2/24/98	760	RTA00000423F.d.04.1	M00001694A:B12	11307
4956	3/24/98	220	RTA00000522F.o.18.1	M00001669B:H06	76366
4957	2/24/98	279	RTA00000418F.i.21.1	M00001596D:E10	78728
4958	1/28/98	84	RTA00000191AF.h.14.1	M00004056B:D09	13553
4959	1/28/98	284	RTA00000199F.d.10.2	M00003808C:B05	22049
4959	2/24/98	816	RTA00000354R.n.04.1	M00003808C:B05	22049
4960	2/24/98	217	RTA00000399F.o.17.1	M00001599D:A09	1106
4961	1/28/98	287	RTA00000200AF.b.07.1	M00004039C:C01	17125
4961	1/28/98	173	RTA00000200AR.b.07.1	M00004039C:C01	17125
4962	1/28/98	287	RTA00000200AF.b.07.1	M00004039C:C01	17125
4962	1/28/98	173	RTA00000200AR.b.07.1	M00004039C:C01	17125
4963	1/28/98	287	RTA00000200AF.b.07.1	M00004039C:C01	17125
4963	1/28/98	173	RTA00000200AR.b.07.1	M00004039C:C01	17125
4964	1/28/98	287	RTA00000200AF.b.07.1	M00004039C:C01	17125
4964	1/28/98	173	RTA00000200AR.b.07.1	M00004039C:C01	17125
4965	3/24/98	464	RTA00000522F.p.18.1	M00001671A:H06	76376
4966	3/24/98	453	RTA00000522F.p.22.1	M00001671B:F02	73322
4967	2/24/98	54	RTA00000399F.o.01.1	M00001595C:E01	3055
4968	2/24/98	1219	RTA00000347F.e.20.1	M00003771B:E05	39911
4969	2/24/98	825	RTA00000404F.k.22.2	M00001635D:C12	39084
4969	2/24/98	364	RTA00000404F.k.22.1	M00001635D:C12	39084

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4970	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4970	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4970	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4971	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4971	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4971	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4972	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4972	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4972	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4973	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4973	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4973	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4974	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4974	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4974	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4975	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4975	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4975	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4976	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4976	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4976	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4977	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4977	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4977	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4978	1/28/98	241	RTA00000200AF.l.17.1	M00004217C:D03	12771
4978	1/28/98	151	RTA00000200R.l.17.1	M00004217C:D03	12771
4978	1/28/98	202	RTA00000200R.l.17.2	M00004217C:D03	12771
4979	1/28/98	366	RTA00000192AF.o.19.1	M00004208D:H08	3549
4980	1/28/98	328	RTA00000200AF.g.09.1	M00004131B:H09	22785
4980	1/28/98	26	RTA00000200R.g.09.1	M00004131B:H09	22785
4981	1/28/98	245	RTA00000200AF.k.7.1	M00004193C:G11	0
4982	2/24/98	1036	RTA00000339F.k.08.1	M00001439B:A10	8133
4983	2/24/98	72	RTA00000347F.a.08.1	M00001592C:G04	3135
4984	2/24/98	1163	RTA00000341F.b.14.1	M00003763A:C01	5992
4985	2/24/98	278	RTA00000404F.c.10.1	M00001593B:E11	23534
4986	1/28/98	250	RTA00000192AF.j.21.1	M00004176D:B12	2289
4987	2/24/98	511	RTA00000341F.b.13.1	M00003762B:H09	0
4988	1/28/98	27	RTA00000192AF.i.12.1	M00004169C:C12	5319
4989	2/24/98	416	RTA00000404F.c.19.1	M00001594A:D06	39026
4990	2/24/98	351	RTA00000340F.p.20.1	M00003752B:C02	17008
4991	1/28/98	215	RTA00000192AR.e.14.3	M00004142A:D08	3300
4992	1/28/98	163	RTA00000192AR.e.13.3	M00004142A:B12	9457
4993	1/28/98	318	RTA00000200AF.g.17.1	M00004138A:H09	0
4994	2/24/98	1105	RTA00000340F.p.18.1	M00003751C:A04	287
4995	2/24/98	1080	RTA00000351R.g.06.1	M00003771D:G05	0
4996	2/24/98	478	RTA00000418F.h.08.1	M00001589B:E07	76401
4997	2/24/98	584	RTA00000418F.d.22.1	M00001573B:C06	75324
4998	2/24/98	493	RTA00000129A.d.1.2	M00001587A:F05	80058
4999	2/24/98	402	RTA00000420F.e.16.1	M00004110A:E04	63639
5000	2/24/98	1006	RTA00000129A.e.14.1	M00001587A:F08	80053

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
5001	2/24/98	285	RTA00000413F.i.02.1	M00004110D:A10	65857
5002	1/28/98	659	RTA00000185AR.k.23.2	M00001601A:E09	0
5003	2/24/98	122	RTA00000420F.f.06.1	M00004115D:D08	64812
5004	2/24/98	245	RTA00000195AF.d.20.1	M00004117A:D11	37574
5004	1/28/98	87	RTA00000195AF.d.20.1	M00004117A:D11	37574
5005	1/28/98	87	RTA00000195AF.d.20.1	M00004117A:D11	37574
5005	2/24/98	245	RTA00000195AF.d.20.1	M00004117A:D11	37574
5006	2/24/98	720	RTA00000129A.d.2.4	M00001587A:G06	80119
5007	2/24/98	687	RTA00000350R.g.10.1	M00001587C:C10	9026
5008	3/24/98	18	RTA00000522F.e.16.1	M00001590A:C08	75283
5009	1/28/98	447	RTA00000198AF.d.8.1	M00001587A:H03	0
5010	1/28/98	554	RTA00000186AR.e.07.4	M00001623D:G03	4175
5010	1/28/98	400	RTA00000186AR.e.07.3	M00001623D:G03	4175
5011	1/28/98	526	RTA00000185AF.e.20.1	M00001585A:D06	5865
5012	2/24/98	1	RTA00000404F.a.02.1	M00001589B:E12	9738
5013	1/28/98	530	RTA00000185AF.d.24.2	M00001582D:F05	0
5014	2/24/98	1096	RTA00000421F.a.06.1	M00001589C:A11	2385
5015	1/28/98	131	RTA00000185AF.d.11.2	M00001579D:C03	6539
5015	1/28/98	626	RTA00000185AR.d.11.1	M00001579D:C03	6539
5016	1/28/98	626	RTA00000185AR.d.11.1	M00001579D:C03	6539
5016	1/28/98	131	RTA00000185AF.d.11.2	M00001579D:C03	6539
5017	2/24/98	1020	RTA00000412F.p.06.1	M00004038B:H10	65485
5018	1/28/98	671	RTA00000185AR.d.08.1	M00001579C:E09	6562
5019	2/24/98	1240	RTA00000404F.a.18.1	M00001590B:B02	36267
5020	2/24/98	115	RTA00000418F.h.19.1	M00001590B:C05	0
5021	2/24/98	211	RTA00000404F.a.19.1	M00001590B:C07	38624
5022	1/28/98	455	RTA00000198AF.d.12.1	M00001589A:C01	21142
5023	1/28/98	622	RTA00000186AR.m.14.2	M00001649B:G12	9800
5024	2/24/98	958	RTA00000195AF.c.8.1	M00001678B:H01	0
5024	1/28/98	520	RTA00000195AF.c.8.1	M00001678B:H01	0
5025	1/28/98	520	RTA00000195AF.c.8.1	M00001678B:H01	0
5025	2/24/98	958	RTA00000195AF.c.8.1	M00001678B:H01	0
5026	1/28/98	690	RTA00000198R.l.21.1	M00001673A:A04	19194
5027	2/24/98	772	RTA00000413F.e.04.1	M00004090C:C07	64176
5028	2/24/98	834	RTA00000407F.b.11.1	M00004090C:C10	0
5029	2/24/98	1154	RTA00000403F.m.09.2	M00001575B:G01	26814
5030	2/24/98	1203	RTA00000413F.e.10.1	M00004092C:B03	31033
5031	2/24/98	12	RTA00000339F.b.17.1	M00001366D:E12	10020
5032	2/24/98	947	RTA00000347F.g.08.1	M00004096B:F05	23121
5033	1/28/98	39	RTA00000189AR.b.19.1	M00003832B:E01	5294
5033	2/24/98	239	RTA00000346F.j.02.1	M00003832B:E01	5294
5034	1/28/98	39	RTA00000189AR.b.19.1	M00003832B:E01	5294
5034	2/24/98	239	RTA00000346F.j.02.1	M00003832B:E01	5294
5035	2/24/98	560	RTA00000419F.d.16.1	M00003828B:E07	64357
5036	2/24/98	568	RTA00000403F.m.03.1	M00001573D:D10	39179
5037	2/24/98	191	RTA00000419F.d.17.1	M00003828B:F09	64353
5038	2/24/98	607	RTA00000420F.d.16.1	M00004103D:F10	64485
5039	2/24/98	1130	RTA00000354R.p.01.1	M00004104C:H12	0
5040	2/24/98	710	RTA00000413F.g.24.1	M00004104D:A04	65481
5041	2/24/98	24	RTA00000423F.l.09.1	M00004118A:H08	9752

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
5042	2/24/98	896	RTA00000423F.l.20.1	M00004105C:E09	12580
5043	2/24/98	1078	RTA00000423F.f.03.1	M00003829C:D10	63852
5044	1/28/98	558	RTA00000186AR.h.14.1	M00001632D:H07	0
5045	2/24/98	155	RTA00000413F.h.13.1	M00004107A:D01	65190
5046	2/24/98	926	RTA00000399F.k.20.1	M00001585C:D10	3003
5047	2/24/98	1194	RTA00000420F.e.05.1	M00004107D:E12	63908
5048	1/28/98	400	RTA00000186AR.e.07.3	M00001623D:G03	4175
5048	1/28/98	554	RTA00000186AR.e.07.4	M00001623D:G03	4175
5049	2/24/98	570	RTA00000405F.n.13.1	M00003824A:G10	23810
5050	2/24/98	334	RTA00000408F.p.05.1	M00001575B:B02	9649
5051	2/24/98	1029	RTA00000411F.f.04.1	M00003813A:G04	64526
5052	3/24/98	134	RTA00000424F.c.14.3	M00001476D:A09	76614
5053	2/24/98	396	RTA00000406F.e.21.1	M00003877D:G05	9090
5054	3/24/98	230	RTA00000424F.g.14.1	M00001572A:B06	74879
5055	2/24/98	617	RTA00000423F.f.23.1	M00003816C:E09	15390
5056	2/24/98	5	RTA00000408F.o.12.2	M00001572A:A10	78578
5057	2/24/98	689	RTA00000419F.p.03.1	M00004035A:G10	1937
5058	3/24/98	273	RTA00000424F.a.02.4	M00001575A:D06	78806
5059	2/24/98	241	RTA00000339F.d.13.1	M00001395C:F11	0
5060	3/24/98	237	RTA00000522F.c.01.1	M00001576A:C11	74938
5061	1/28/98	745	RTA00000183AF.m.11.1	M00001536D:G02	8927
5062	1/28/98	408	RTA00000183AR.l.15.1	M00001535C:E01	39383
5063	2/24/98	464	RTA00000195AF.c.12.1	M00003818B:G12	37582
5063	1/28/98	300	RTA00000195AF.c.12.1	M00003818B:G12	37582
5064	1/28/98	647	RTA00000197F.m.11.1	M00001530B:D10	16488
5065	2/24/98	464	RTA00000195AF.c.12.1	M00003818B:G12	37582
5065	1/28/98	300	RTA00000195AF.c.12.1	M00003818B:G12	37582
5066	3/24/98	395	RTA00000522F.d.06.1	M00001578B:A02	74809
5067	2/24/98	516	RTA00000339F.f.20.1	M00001399A:C03	64548
5068	2/24/98	890	RTA00000418F.j.19.1	M00001634D:D02	78399
5069	2/24/98	435	RTA00000340F.b.02.1	M00001503C:G05	10185
5070	3/24/98	175	RTA00000528F.d.18.1	M00001582C:E01	2684
5071	2/24/98	168	RTA00000411F.e.22.1	M00003812B:D07	63638
5072	2/24/98	1071	RTA00000404F.k.18.2	M00001635A:C06	5475
5073	2/24/98	189	RTA00000347F.a.13.1	M00001402D:F02	22446
5074	2/24/98	825	RTA00000404F.k.22.2	M00001635D:C12	39084
5074	2/24/98	364	RTA00000404F.k.22.1	M00001635D:C12	39084
5075	3/24/98	25	RTA00000425F.c.06.1	M00001585D:D11	78041
5076	3/24/98	186	RTA00000425F.c.07.1	M00001585D:F03	76042
5077	3/24/98	208	RTA00000424F.m.10.1	M00001586C:E06	34251
5078	2/24/98	420	RTA00000422F.b.16.1	M00003813B:A11	17045
5079	3/24/98	103	RTA00000424F.b.22.1	M00001530A:F11	72971
5079	3/24/98	88	RTA00000424F.b.22.4	M00001530A:F11	72971
5080	3/24/98	318	RTA00000523F.a.01.1	M00001671C:F11	74923
5081	2/24/98	676	RTA00000411F.g.21.1	M00003823D:G05	64500
5082	3/24/98	3	RTA00000528F.b.23.1	M00001479C:F10	1605
5083	2/24/98	1244	RTA00000418F.h.23.1	M00001591A:B08	75153
5084	2/24/98	321	RTA00000339F.c.21.1	M00001389C:A08	5325
5085	1/28/98	429	RTA00000196F.i.19.1	M00001390C:C11	39498
5085	2/24/98	925	RTA00000353R.h.10.1	M00001390C:C11	39498

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
5086	1/28/98	429	RTA00000196F.i.19.1	M00001390C:C11	39498
5086	2/24/98	925	RTA00000353R.h.10.1	M00001390C:C11	39498
5087	3/24/98	471	RTA00000528F.c.11.1	M00001486D:D12	1701
5088	2/24/98	103	RTA00000418F.j.12.1	M00001626C:G08	73316
5089	2/24/98	1148	RTA00000345F.d.23.1	M00001390D:E03	5862
5090	2/24/98	87	RTA00000403F.l.20.1	M00001573A:A06	18267
5091	3/24/98	427	RTA00000522F.b.08.1	M00001570D:E06	26915
5092	1/28/98	661	RTA00000198R.b.04.1	M00001565A:H09	0
5093	2/24/98	200	RTA00000339F.c.02.1	M00001381C:B08	12975
5094	2/24/98	1243	RTA00000404F.j.19.1	M00001630D:H10	0
5095	1/28/98	750	RTA00000198AF.a.19.1	M00001561D:C05	0
5096	2/24/98	418	RTA00000410F.a.01.1	M00001631D:B10	73354
5097	3/24/98	458	RTA00000424F.d.12.3	M00001530D:E06	74342
5097	3/24/98	454	RTA00000424F.d.12.2	M00001530D:E06	74342
5098	3/24/98	458	RTA00000424F.d.12.3	M00001530D:E06	74342
5098	3/24/98	454	RTA00000424F.d.12.2	M00001530D:E06	74342
5099	2/24/98	159	RTA00000348R.j.17.1	M00001391D:C06	2641
5100	2/24/98	539	RTA00000346F.m.15.1	M00004037B:C04	13553
5101	2/24/98	170	RTA00000422F.n.08.1	M00001632B:E05	38655
5102	3/24/98	162	RTA00000522F.a.12.1	M00001567A:H05	33515
5103	2/24/98	315	RTA00000419F.p.12.1	M00004037A:E04	13767
5104	2/24/98	119	RTA00000423F.k.05.1	M00004036D:F02	37472
5105	3/24/98	12	RTA00000522F.a.23.1	M00001570C:A05	38613
5106	3/24/98	103	RTA00000424F.b.22.1	M00001530A:F11	72971
5106	3/24/98	88	RTA00000424F.b.22.4	M00001530A:F11	72971
5107	2/24/98	21	RTA00000411F.g.08.1	M00003822D:D04	45815
5108	1/28/98	35	RTA00000191AF.n.17.1	M00004091B:D11	7848
5109	3/24/98	39	RTA00000527F.c.23.1	M00003822C:A07	37742
5110	1/28/98	43	RTA00000179AF.c.14.3	M00001392D:H04	0
5111	2/24/98	54	RTA00000399F.o.01.1	M00001595C:E01	3055
5112	2/24/98	63	RTA00000404F.l.20.2	M00001639B:H05	38638
5113	1/28/98	82	RTA00000183AF.l.18.1	M00001535D:C01	3484
5114	3/24/98	84	RTA00000527F.k.18.1	M00003982B:C10	11332
5115	1/28/98	99	RTA00000184AF.d.8.1	M00001548A:A08	4393
5116	2/24/98	99	RTA00000420F.m.19.1	M00005254D:B08	0
5117	2/24/98	100	RTA00000339F.o.23.1	M00001473C:D09	7801
5118	2/24/98	104	RTA00000421F.n.03.1	M00001675C:A04	1638
5119	2/24/98	105	RTA00000346F.d.08.1	M00001671A:A10	39955
5120	2/24/98	114	RTA00000341F.m.21.1	M00004051D:E01	0
5121	1/28/98	137	RTA00000181AF.m.4.3	M00001455A:E09	13238
5122	1/28/98	162	RTA00000201F.e.15.1	M00004444B:D11	9960
5123	1/28/98	170	RTA00000197AF.d.23.1	M00001453A:E11	16130
5124	1/28/98	206	RTA00000181AF.o.04.2	M00001457C:C12	22205
5125	1/28/98	209	RTA00000182AF.c.5.1	M00001464D:F06	6397
5126	2/24/98	215	RTA00000403F.j.18.1	M00001539D:E10	5790
5127	2/24/98	219	RTA00000419F.c.18.1	M00003819D:B11	41394
5128	1/28/98	229	RTA00000198AF.g.3.1	M00001615C:F03	0
5129	1/28/98	230	RTA00000185AR.b.18.1	M00001575B:C09	12171
5130	3/24/98	245	RTA00000522F.p.09.1	M00001670A:F09	75204
5131	2/24/98	258	RTA00000406F.k.15.1	M00003907C:C04	38549

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
5132	1/28/98	262	RTA00000186AF.c.17.1	M00001619D:G05	8551
5133	1/28/98	269	RTA00000183AF.k.13.1	M00001534B:C12	0
5134	1/28/98	276	RTA00000198AF.j.15.1	M00001653B:E09	4369
5135	2/24/98	281	RTA00000411F.l.13.1	M00003857C:C09	43114
5136	1/28/98	284	RTA00000199F.d.10.2	M00003808C:B05	22049
5137	1/28/98	292	RTA00000199AF.m.18.1	M00003939C:F04	0
5138	1/28/98	297	RTA00000178AF.f.9.3	M00001371C:E09	7172
5139	2/24/98	301	RTA00000401F.m.23.1	M00003914C:C02	2801
5140	1/28/98	302	RTA00000186AF.d.1.2	M00001621C:C08	40044
5141	1/28/98	315	RTA00000199R.d.23.1	M00003815D:H09	37477
5142	2/24/98	315	RTA00000419F.p.12.1	M00004037A:E04	13767
5143	1/28/98	321	RTA00000181AR.b.21.1	M00001444C:D05	3266
5144	3/24/98	323	RTA00000524F.c.12.1	M00005218B:D09	0
5145	1/28/98	329	RTA00000186AF.b.9.1	M00001616C:F07	0
5146	1/28/98	334	RTA00000181AR.b.21.3	M00001444C:D05	3266
5147	2/24/98	334	RTA00000408F.p.05.1	M00001575B:B02	9649
5148	1/28/98	335	RTA00000182AF.e.3.2	M00001468B:H06	0
5149	1/28/98	336	RTA00000186AF.f.24.1	M00001629B:E06	0
5150	2/24/98	341	RTA00000412F.g.20.2	M00003972C:F08	25018
5151	2/24/98	343	RTA00000422F.g.21.1	M00001583A:F07	17232
5152	1/28/98	347	RTA00000199F.b.03.2	M00003779B:E12	38340
5153	2/24/98	354	RTA00000404F.c.03.2	M00001592C:F11	39198
5154	1/28/98	361	RTA00000177AR.g.16.4	M00001347A:B10	13576
5155	1/28/98	364	RTA00000187AF.g.13.1	M00001676C:C11	2991
5156	2/24/98	377	RTA00000346F.i.01.1	M00003797A:D06	22260
5157	2/24/98	389	RTA00000411F.c.02.1	M00001677B:B04	72852
5158	2/24/98	403	RTA00000403F.d.22.1	M00001473A:A07	10692
5159	1/28/98	407	RTA00000178AF.e.20.1	M00001370D:E12	3135
5160	1/28/98	422	RTA00000189AF.b.12.1	M00003829B:G03	17233
5161	2/24/98	429	RTA00000422F.c.17.1	M00004099D:F01	1360
5162	2/24/98	431	RTA00000399F.j.15.1	M00001578C:G06	1261
5163	1/28/98	439	RTA00000185AF.d.14.2	M00001579D:G07	8071
5164	2/24/98	448	RTA00000127A.a.3.1	M00001552A:H10	13232
5165	2/24/98	450	RTA00000118A.a.23.1	M00001395A:H02	3500
5166	1/28/98	451	RTA00000200AF.b.20.1	M00004043A:D02	40403
5167	2/24/98	455	RTA00000399F.d.23.1	M00001481B:A07	3310
5168	1/28/98	475	RTA00000187AR.m.3.3	M00001682C:B12	17055
5169	3/24/98	475	RTA00000427F.i.06.1	M00004097B:D03	41450
5170	3/24/98	477	RTA00000527F.l.21.1	M00003983D:H02	36439
5171	1/28/98	480	RTA00000181AF.o.08.2	M00001457C:H12	849
5172	3/24/98	480	RTA00000424F.d.17.3	M00001455A:E11	73958
5173	3/24/98	481	RTA00000523F.j.02.1	M00003857A:H10	62853
5174	1/28/98	483	RTA00000192AF.h.19.1	M00004162C:A07	4642
5175	2/24/98	489	RTA00000406F.j.19.1	M00003906A:F12	1685
5176	1/28/98	501	RTA00000200R.k.11.1	M00004197C:F03	9796
5177	2/24/98	502	RTA00000341F.d.08.1	M00003824C:D07	0
5178	2/24/98	508	RTA00000420F.i.20.1	M00005101C:E12	0
5179	1/28/98	510	RTA00000178AF.n.23.1	M00001387B:E02	3298
5180	1/28/98	511	RTA00000196AF.g.10.1	M00001376B:A02	12498
5181	2/24/98	519	RTA00000404F.l.10.1	M00001638B:F10	23136

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
5182	2/24/98	524	RTA00000419F.f.23.1	M00003840D:H10	65002
5183	1/28/98	525	RTA00000198AF.c.7.1	M00001575D:G05	19181
5184	1/28/98	526	RTA00000185AF.e.20.1	M00001585A:D06	5865
5185	1/28/98	527	RTA00000198R.m.23.1	M00001684B:G03	38469
5186	1/28/98	529	RTA00000178AF.b.13.1	M00001364A:E11	3114
5187	1/28/98	530	RTA00000185AF.d.24.2	M00001582D:F05	0
5188	1/28/98	540	RTA00000179AF.b.10.3	M00001391D:D10	0
5189	1/28/98	541	RTA00000197AR.b.16.1	M00001445C:A08	0
5190	1/28/98	545	RTA00000196F.a.2.1	M00001338B:E02	3575
5191	2/24/98	547	RTA00000419F.h.02.1	M00003845D:G08	63985
5192	1/28/98	548	RTA00000179AF.f.23.3	M00001397B:G03	35258
5193	1/28/98	550	RTA00000183AF.g.14.1	M00001513D:A03	0
5194	2/24/98	555	RTA00000133A.d.22.1	M00001469A:G11	11797
5195	1/28/98	569	RTA00000196AF.l.23.1	M00001412A:E04	12052
5196	1/28/98	570	RTA00000183AF.a.19.2	M00001499A:A05	3788
5197	1/28/98	574	RTA00000192AF.f.3.1	M00004146C:C11	5257
5198	1/28/98	575	RTA00000186AF.l.12.2	M00001645A:C12	19267
5199	1/28/98	576	RTA00000196AF.c.7.1	M00001350B:G11	0
5200	2/24/98	579	RTA00000413F.m.16.1	M00004898C:F03	0
5201	1/28/98	580	RTA00000197F.a.12.1	M00001438B:B09	7895
5202	2/24/98	580	RTA00000403F.o.07.1	M00001579C:A01	39037
5203	2/24/98	584	RTA00000418F.d.22.1	M00001573B:C06	75324
5204	1/28/98	585	RTA00000198AF.n.18.1	M00001771A:A07	16715
5205	1/28/98	601	RTA00000184AF.i.10.2	M00001555A:B01	3744
5206	1/28/98	607	RTA00000200AF.k.12.1	M00004198B:D02	7359
5207	1/28/98	613	RTA00000177AF.k.18.4	M00001352C:A05	53729
5208	1/28/98	640	RTA00000190AF.f.5.1	M00003909A:H04	5015
5209	2/24/98	645	RTA00000422F.p.12.2	M00001661C:F10	9840
5210	1/28/98	654	RTA00000186AF.j.21.2	M00001639D:B07	22506
5211	1/28/98	680	RTA00000177AF.f.10.1	M00001345A:E01	6420
5212	1/28/98	699	RTA00000178AF.a.12.1	M00001362B:H06	0
5213	1/28/98	703	RTA00000198F.l.09.1	M00001664B:D06	3611
5214	1/28/98	704	RTA00000190AF.o.12.1	M00003972D:C09	3438
5215	1/28/98	723	RTA00000183AF.p.24.1	M00001543C:F01	3116
5216	2/24/98	733	RTA00000405F.d.18.1	M00001662C:B02	10494
5217	1/28/98	739	RTA00000181AF.p.12.3	M00001460C:H02	22204
5218	1/28/98	742	RTA00000177AF.m.1.1	M00001353D:D10	14929
5219	2/24/98	774	RTA00000403F.e.24.1	M00001476B:D10	16432
5220	2/24/98	775	RTA00000405F.c.22.1	M00001660C:B06	39053
5221	2/24/98	790	RTA00000345F.n.08.1	M00001517A:B11	0
5222	2/24/98	816	RTA00000354R.n.04.1	M00003808C:B05	22049
5223	2/24/98	829	RTA00000411F.m.11.1	M00003867A:D12	73196
5224	2/24/98	851	RTA00000423F.d.07.1	M00001678B:B12	0
5225	2/24/98	871	RTA00000403F.f.23.1	M00001479C:E01	39223
5226	2/24/98	877	RTA00000418F.m.22.1	M00001654D:E12	74567
5227	2/24/98	914	RTA00000138A.m.15.1	M00001624A:A03	41603
5228	2/24/98	923	RTA00000126A.d.19.1	M00001548A:G01	79474
5229	2/24/98	924	RTA00000354R.m.02.1	M00003890B:C08	12766
5230	2/24/98	940	RTA00000414F.f.17.1	M00005260A:F04	0
5231	2/24/98	1005	RTA00000339F.e.17.1	M00001397D:G08	7568

SEQ ID NO:	Filing Date of Priority Appln	SEQ ID NO: in Priority Appln	Sequence Name	Clone Name	Cluster ID
5232	2/24/98	1013	RTA00000404F.b.18.1	M00001592A:H05	13669
5233	2/24/98	1037	RTA00000339F.l.12.1	M00001450A:G11	7711
5234	2/24/98	1055	RTA00000346F.a.04.1	M00001607B:C05	5382
5235	2/24/98	1070	RTA00000346F.n.22.1	M00004137A:D06	0
5236	2/24/98	1096	RTA00000421F.a.06.1	M00001589C:A11	2385
5237	2/24/98	1125	RTA00000118A.n.5.1	M00001451A:C10	0
5238	2/24/98	1128	RTA00000423F.a.02.3	M00001656B:A08	39210
5239	2/24/98	1129	RTA00000401F.m.07.1	M00003907D:F11	2893
5240	2/24/98	1136	RTA00000406F.c.05.1	M00003870A:H01	22077
5241	2/24/98	1142	RTA00000418F.i.06.1	M00001591B:B06	75151
5242	2/24/98	1145	RTA00000423F.k.21.2	M00003984D:B08	37499
5243	2/24/98	1149	RTA00000339F.b.02.1	M00001344B:F12	0
5244	2/24/98	1166	RTA00000347F.h.01.1	M00004040A:G12	12043
5245	2/24/98	1177	RTA00000126A.b.9.1	M00001547A:F11	81279
5246	2/24/98	1187	RTA00000120A.c.19.1	M00001464A:B03	81016
5247	2/24/98	1203	RTA00000413F.e.10.1	M00004092C:B03	31033
5248	2/24/98	1205	RTA00000419F.k.05.1	M00003871C:E04	11757
5249	2/24/98	1230	RTA00000399F.j.14.1	M00001578C:F05	16942
5250	2/24/98	1233	RTA00000418F.l.02.1	M00001641C:C05	39316
5251	2/24/98	1248	RTA00000419F.o.07.1	M00003986C:E09	14059
5252	2/24/98	1261	RTA00000404F.m.17.2	M00001643B:E05	0

Table 2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2503	AB011149	Homo sapiens mRNA for KIAA0577 protein, complete cds	0	3043678	(AB011149) KIAA0577 protein [Homo sapiens]	1e-096
2504	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
2505	Z59973	H.sapiens CpG DNA, clone 184b10, forward read cpg184b10.ft1a .	1e-009	<NONE>	<NONE>	<NONE>
2506	AJ000742	Homo Sapiens hisH1 gene, 5' UTR	2e-016	<NONE>	<NONE>	<NONE>
2507	U10324	Human nuclear factor NF90 mRNA, complete cds.	3e-009	1729881	TETRACYCLINE RESISTANCE PROTEIN, CLASS H (TETA(H)) >gi 392873 (U00792) tetracycline resistance protein [Pasteurella multocida]	9.3
2508	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	1890128	(U89949) folate binding protein [Sus scrofa]	7.3
2509	M15657	Human aldolase B (ALDOB) gene, exons 2 through 6.	0.002	<NONE>	<NONE>	<NONE>
2510	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-008	<NONE>	<NONE>	<NONE>
2511	U39722	Mycoplasma genitalium section 44 of 51 of the complete genome	0.043	2773162	(AF039595) sulfonylurea receptor 1B [Rattus norvegicus]	10
2512	AB012174	Homo sapiens DNA, anonymous heat-stable fragment RP7-1B	7e-017	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2513	AB012174	Homo sapiens DNA, anonymous heat-stable fragment RP7-1B	7e-017	<NONE>	<NONE>	<NONE>
2514	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	2984585	(AC004472) P1.11659_4 [Homo sapiens]	1e-013
2515	AF061016	Homo sapiens UDP-glucose dehydrogenase (UGDH) mRNA, complete cds	0	3127127	(AF061016) UDP-glucose dehydrogenase [Homo sapiens] dehydrogenase [Homo sapiens]	7e-035
2516	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-005	2983872	(AE000742) putative protein [Aquifex aeolicus]	1.5
2517	X13293	Human mRNA for B-myb gene	3e-019	127584	MYB-RELATED PROTEIN B (B-MYB) human >gi 29472 (X13293) B-myb protein (AA 1-700) [Homo sapiens]	0.0002
2518	Y16183	H. sapiens mRNA for MEMD protein	0	3832036	(AJ010405) hypothetical protein	2.5
2519	M90297	Human glucokinase (GCK) gene, exon 1 and 5' flanking region.	4e-023	2851668	HYPOTHETICAL OUTER MEMBRANE USHER PROTEIN IN RIBB-GLGS INTERGENIC REGION PRECURSOR	7.8
2520	V00436	Gallus gallus fragment of gene X of ovalbumin family coding for the first leader exon.	4.4	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2521	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	3800811	(AF072251) methyl-CpG binding protein 2 [Mus musculus]	6.9
2522	Y09540	H.sapiens AHSG gene, partial	2e-007	2135357	HLA class I alpha chain - human (fragment) sapiens]	3.1
2523	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	3e-007	<NONE>	<NONE>	<NONE>
2524	D87438	Human mRNA for KIAA0251 gene, partial cds	1e-011	<NONE>	<NONE>	<NONE>
2525	AE001203	Treponema pallidum section 19 of 87 of the complete genome	0.42	<NONE>	<NONE>	<NONE>
2526	U47322	Cloning vector DNA, complete sequence.	2e-036	987050	(X65335) lacZ gene product [unidentified cloning vector]	4e-008
2527	M97287	Human MAR/SAR DNA binding protein (SATB1) mRNA, complete cds. >:: gb I58691 I58691 Sequence 1 from patent US 5652340	0	417747	DNA-BINDING PROTEIN SATB1 (SPECIAL AT-RICH SEQUENCE BINDING PROTEIN 1) protein SATB1 - human >gi 337811 (M97287) putative [Homo sapiens]	2e-009
2528	AF005355	Oryctolagus cuniculus translation initiation factor eIF2C mRNA, complete cds	1e-094	3253159	(AF005355) translation initiation factor eIF2C	2e-084
2529	L16978	Anadara trapezia beta globin gene, complete cds.	0.11	<NONE>	<NONE>	<NONE>
2530	M24191	Human beta globulin pseudogene, clone 46B	0.013	3878519	(Z92806) K10G4.7 [Caenorhabditis elegans]	0.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2531	AF047611	Euroglyphus maynei group 1 allergen Eur m 1 0102	0.12	<NONE>	<NONE>	<NONE>
2532	AE001372	Plasmodium falciparum chromosome 2, section 9 of 73 of the complete sequence	0.002	<NONE>	<NONE>	<NONE>
2533	J04700	Homo sapiens calcium-dependent protease large subunit (CANPmL) gene, promoter region and exon 1.	0.014	<NONE>	<NONE>	<NONE>
2534	AF038958	Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds	4e-086	2144098	SC2 - rat >gi 256994 bbs 115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa]	1e-033
2535	L13434	Human chromosome 3p21.1 gene sequence, complete cds.	8e-008	1085432	mucin (clone PGM-2A) - pig	4.3
2536	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	3873713	(Z74026) cDNA EST yk452h4.3 comes from this gene; cDNA EST yk452h4.5 comes from this gene	4e-010
2537	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	<NONE>	<NONE>	<NONE>
2538	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	386644	type Ia hair keratin a3 [human, Peptide, 404 aa] >gi 3724101 gnl PI D e1330425 (Y16788) keratin, type I [Homo sapiens]	1.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2539	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0005	<NONE>	<NONE>	<NONE>
2540	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
2541	U79248	Human clone 23826 mRNA sequence	6e-005	<NONE>	<NONE>	<NONE>
2542	D44598	Saccharomyces cerevisiae chromosome VI phage 4121	1e-010	2828280	(AL021687) putative protein [Arabidopsis thaliana] >gi 2832633 gnl PI D e1249651 (AL021711) putative protein [Arabidopsis thaliana]	6e-060
2543	X64037	H.sapiens mRNA for RNA polymerase II associated protein RAP74	0	35871	(X64002) RAP74 [Homo sapiens] >gi 228483 prf 18 04353A transcription factor RAP74 [Homo sapiens]	4e-049
2544	M18857	A.californica nuclear polyhedrosis virus ORFs encoding a delayed early protein and two late protein, complete cds.	0.38	3169096	(AL023706) hypothetical protein	3e-029
2545	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	<NONE>	<NONE>	<NONE>
2546	L22403	Homo sapiens DNA sequence, repeat region.	1e-020	<NONE>	<NONE>	<NONE>
2547	L22403	Homo sapiens DNA sequence, repeat region.	1e-020	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2548	D38417	Mouse mRNA for arylhydrocarbon receptor, complete cds	3e-028	<NONE>	<NONE>	<NONE>
2549	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
2550	X04754	Drosophila yolk polypeptide gene YP3	1e-012	2500649	PROBABLE RNA 3'-TERMINAL PHOSPHATE CYCLASE (RNA-3'-PHOSPHATE CYCLASE) (RNA CYCLASE)	1e-022
2551	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-011	<NONE>	<NONE>	<NONE>
2552	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
2553	U49169	Dictyostelium discoideum V-ATPase A subunit (vatA) mRNA, complete cds	0.13	586429	VERY HYPOTHETICAL 13.2 KD PROTEIN IN PTC3-SAS3 INTERGENIC REGION >gi 626813 pir S4 5788 probable membrane protein YBL053w - yeast (Saccharomyces cerevisiae) >gi 536079 (Z35814) ORF YBL053w	1.1
2554	M22462	Chicken protein p54 (ets-1) mRNA, complete cds.	1.1	2078531	(U89506) Mlark [Mus musculus]	5.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2555	U73664	Human t(11;14)(q13;q32) breakpoint junction sequence	0.37	2909381	(Y16569) ORF [Mycobacterium tuberculosis]	3.3
2556	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	3025166	PUTATIVE NUCLEOSIDE TRANSPORTER YEGT >gi1736823 gnl PI D d1016692 (D90848) Nucleoside permease NupG (Nucleoside- transport system protein NupG). [Escherichia coli] >gi1788415 (AE000299) putative nucleoside permease protein [Escherichia coli]	1.4
2557	U09210	Human vesicular acetylcholine transporter mRNA, complete cds.	0.041	3176395	(AB015041) PIF1 [Caenorhabditis elegans]	1e-006
2558	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.002	540271	(U14635) similar to GABA and glycine receptors	1e-020
2559	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
2560	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>
2561	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	1788739	(AE000327) orf, hypothetical protein [Escherichia coli]	6.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2562	AF073710	Homo sapiens regulator of G- protein signaling 9 mRNA, complete cds	1e-013	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.38
2563	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.1
2564	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-007	<NONE>	<NONE>	<NONE>
2565	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-015	<NONE>	<NONE>	<NONE>
2566	M98502	Mus musculus protein encoding twelve zinc finger proteins (pMLZ- 4) mRNA, complete cds.	2e-017	2370153	(Y13374) putative prenylated protein prenylated protein [Homo sapiens] >gi 3360403 (AF052096) putative prenylated protein [Homo sapiens]	7.3
2567	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.5
2568	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	2580433	(D76414) ppGpp hydrolase [Staphylococcus aureus]	2.4
2569	X82206	H.sapiens mRNA for alpha- centractin	4e-085	2909479	(AL021930) hypothetical protein Rv0290	1.4
2570	Z68758	Human DNA sequence from cosmid cN85E10 on chromosome 22q11.2-qter	8e-009	1082778	secretory phospholipase A2 receptor precursor, transmembrane form - human >gi 862375	7.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2571	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0005	2583019	(AF022724) ARIX homeodomain protein [Homo sapiens]	0.64
2572	L19637	Arabidopsis thaliana adenine phosphoribosyltransferase (apt) gene, complete cds.	0.12	<NONE>	<NONE>	<NONE>
2573	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-008	388057	(L22982) merozoite surface protein-1 [Plasmodium chabaudi]	6.9
2574	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0005	3913436	PROBABLE ATP-DEPENDENT RNA HELICASE A (NUCLEAR DNA HELICASE II) (NDH II)	9.5
2575	AJ005698	Homo sapiens mRNA for poly(A)-specific ribonuclease	3e-011	3776076	(AJ005698) poly(A)-specific ribonuclease [Homo sapiens]	0.28
2576	Z96602	H.sapiens télomeric DNA sequence, clone 3QTEL015, read 3QTELOO015.se q	2e-006	2407641	(AF018956) neuropilin [Homo sapiens]	1.4
2577	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	3880672	(AL032633) cDNA EST EMBL:T00127 comes from this gene; cDNA EST EMBL:T01189 comes from this gene [Caenorhabditis elegans]	0.82
2578	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	2088843	(AF003386) F59E12.9 gene product [Caenorhabditis elegans]	3.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2579	U95315	Mycobacterium gordonae IS1511 transposase and Tn554 tpna transposase homolog genes, complete cds	3.8	<NONE>	<NONE>	<NONE>
2580	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	9.6
2581	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-013	<NONE>	<NONE>	<NONE>
2582	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
2583	U85193	Human nuclear factor I-B2 (NFIB2) mRNA, complete cds	2e-038	<NONE>	<NONE>	<NONE>
2584	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.2
2585	U67532	Methanococcus jannaschii section 74 of 150 of the complete genome	0.005	1938410	(U97000) No definition line found [Caenorhabditis elegans]	4.5
2586	X65319	Cloning vector pCAT-Enhancer	3e-081	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
2587	AB006534	Homo sapiens mRNA for hepatocyte growth factor activator inhibitor type 2, complete cds	e-103	2065529	(U78095) bikunin [Homo sapiens]	3e-025

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2588	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	3152559	(AC002986) Similarity to A. thaliana gene product F21M12.20, gb AC000132. EST gb Z25651 comes from this gene. [Arabidopsis thaliana]	6e-008
2589	X82829	B.taurus mRNA for nuclear DNA helicase II	9e-009	1353239	(U10245) putative RNA helicase A [Arabidopsis thaliana]	3e-017
2590	AE001366	Plasmodium falciparum chromosome 2, section 3 of 73 of the complete sequence	0.047	<NONE>	<NONE>	<NONE>
2591	D78572	House mouse; Musculus domesticus mRNA for membrane glycoprotein, complete cds > :: dbj E12950 E129 56 cDNA GA3- 43 encoding novel polypeptide which appear when differentiate from embryo-tumor cell P19 to nerve cell	1e-041	1545807	(D78572) membrane glycoprotein [Mus musculus]	1e-026
2592	M77130	H.sapiens (clone B7) hY4 Ro RNA pseudogene.	4e-011	629174	cellulose 1,4-beta- cellobiosidase (EC 3.2.1.91) - Clostridium thermocellum >gi 530014 (X80993) cellulose 1,4-beta- cellobiosidase [Clostridium thermocellum]	1.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2593	M34661	Human chaperonin (HSP60) non-functional pseudogene 3.	1	<NONE>	<NONE>	<NONE>
2594	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	1723894	HYPOTHETICAL GTP-BINDING PROTEIN IN SEH1-PRP20 INTERGENIC REGION >gi 2131584 pir S64106 hypothetical protein YGL099w - yeast (Saccharomyces cerevisiae) >gi 1322637 gnl PI D e243302 (Z72621) ORF YGL099w [Saccharomyces cerevisiae]	9e-015
2595	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	0.16
2596	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.4
2597	U57715	Rattus norvegicus FGF receptor activating protein FRAG1 (FRAG1) mRNA, complete cds	0	1518609	(U57715) FGF receptor activating protein FRAG1 [Rattus norvegicus]	2e-088
2598	Z64776	H.sapiens CpG DNA, clone 167d8, forward read cpg167d8.ft1b.	0.0002	1777782	(U52513) ISG family member [Homo sapiens]	2.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2599	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
2600	AF022158	Homo sapiens KRAB domain zinc finger protein	3e-010	2507553	ZINC FINGER PROTEIN 33A (ZINC FINGER PROTEIN KOX31) (KIAA0065) (HA0946) Kruppel-related. [Homo sapiens]	1e-016
2601	Y07660	M.tuberculosis accBC gene	2e-068	465847	HYPOTHETICAL 66.5 KD PROTEIN F02A9.5 IN CHROMOSOME III >gi 280542 pir S2 8313 hypothetical protein F02A9.5 - Caenorhabditis elegans Genefinder; similar to Propionyl-CoA carboxylase beta chain; cDNA EST EMBL:M89018 comes from this gene; cDNA EST EMBL:D2806	8e-075
2602	S51858	MO25 gene [mice, embryos, mRNA, 2322 nt]	0	547911	MO25 PROTEIN >gi 2143483 pir I5 7997 hypothetical calcium-binding protein - mouse protein [mice, embryos, Peptide, 341 aa] [Mus sp.]	e-119
2603	AB018345	Homo sapiens mRNA for KIAA0802 protein, partial cds	e-131	3882325	(AB018345) KIAA0802 protein [Homo sapiens]	3e-053

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2604	L41560	Homo sapiens (clones HGPCD2 and HGPCD15) pterin-4a- carbinolamine dehydratase (PCBD) gene, complete cds.	2e-005	<NONE>	<NONE>	<NONE>
2605	AJ000041	Homo sapiens mRNA for HOXC11	e-180	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.001
2606	U55939	Expression vector pVP-Nco, complete sequence.	4e-043	987050	(X65335) lacZ gene product [unidentified cloning vector]	9e-009
2607	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-014	124139	TRANS-ACTING TRANSCRIPTIO NAL PROTEIN ICP0 >gi 73901 pir WZ BE61 gene 61 protein - human herpesvirus 3 >gi 60050 (X04370) ORF 61 (AA1-467) [Human herpesvirus 3] >gi 228664 prf 18 08271A gene 61 protein	0.48
2608	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
2609	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-013	3878130	(Z83112) predicted using Genefinder	9
2610	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2611	D14965	C.elegans gene for alpha-2 tubulin, complete cds	3.7	<NONE>	<NONE>	<NONE>
2612	Z61840	H.sapiens CpG DNA, clone 59g12, forward read cpg59g12.ft1a .	2e-080	3581872	(AL031541) putative integral membrane protein [Streptomyces coelicolor]	1.4
2613	U59924	Sus scrofa nitric oxide synthase (NOS) mRNA, complete cds	1.1	<NONE>	<NONE>	<NONE>
2614	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
2615	AF054625	Reporter vector pSRF-Luc, complete sequence	4e-065	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
2616	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.1
2617	AF031924	Homo sapiens homeobox transcription factor barx2	e-161	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
2618	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
2619	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
2620	AF053461	Reporter vector pCRE-Luc, complete sequence	1e-013	1065484	(U40415) similar to S. cerevisiae LAG1 (SP:P38703)	0.49
2621	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete	1e-009	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		cds				
2622	AF013758	Homo sapiens polyadenylate binding protein-interacting protein-1 (PAIP1) mRNA, complete cds	0	3046900	(AF013758) polyadenylate binding protein-interacting protein-1 [Homo sapiens]	3e-072
2623	D29808	Human mRNA for T-cell acute lymphoblastic leukemia associated antigen 1 (TALLA-1), complete cds	0.014	<NONE>	<NONE>	<NONE>
2624	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	2690005	(AE000794) B. burgdorferi predicted coding region BBF30	7.6
2625	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.041	<NONE>	<NONE>	<NONE>
2626	Z12112	pWE15A cosmid vector DNA	2e-067	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-008
2627	AB018326	Homo sapiens mRNA for KIAA0783 protein, complete cds	0	3882287	(AB018326) KIAA0783 protein [Homo sapiens]	1e-073
2628	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.4
2629	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-016	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2630	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	1001632	(D64002) hypothetical protein	3.2
2631	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	0.29
2632	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
2633	X05167	Barley gene for thiol protease aleurain	0.13	1065515	(U40420) weak similarity to procollagen alpha chain 1(V) chain [Caenorhabditis elegans]	9e-018
2634	Z96177	H.sapiens telomeric DNA sequence, clone 10QTELO40, read 10QTELOO040.s eq	2e-060	987050	(X65335) lacZ gene product [unidentified cloning vector]	5e-010
2635	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	123432	ZERKNUELLT PROTEIN 1 (ZEN-1)	3.4
2636	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	123432	ZERKNUELLT PROTEIN 1 (ZEN-1)	3.4
2637	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.5
2638	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2639	AF103734	Sindbis-like virus YN87448, complete genome	3.5	<NONE>	<NONE>	<NONE>
2640	M27280	H.influenzae lic-1 operon licA, licB, licC and licD genes, encoding outer membrane lipopolysaccharide phase variation, complete cds.	3.4	2529686	(AC002535) putative G-beta-repeat containing protein, 5' partial [Arabidopsis thaliana]	6e-018
2641	AF103734	Sindbis-like virus YN87448, complete genome	3.5	<NONE>	<NONE>	<NONE>
2642	X05167	Barley gene for thiol protease aleurain	0.13	1065515	(U40420) weak similarity to procollagen alpha chain 1(V) chain [Caenorhabditis elegans]	9e-018
2643	L76159	Homo sapiens FRG1 mRNA, complete cds.	4e-032	1246233	(L76159) FRG1 gene product [Homo sapiens]	1e-005
2644	AF086047	Homo sapiens full length insert cDNA clone YX84A05	3e-008	628916	Delta-12 desaturases - Anabaena variabilis desaturase [Anabaena variabilis]	6
2645	AF086136	Homo sapiens full length insert cDNA clone ZA89C06	4e-021	3849864	(AJ007629) pall protein [Emericella nidulans]	4.6
2646	AB004818	Homo sapiens mRNA for ENX-2, complete cds	1e-011	<NONE>	<NONE>	<NONE>
2647	D87686	Homo sapiens mRNA for KIAA0017 protein, complete cds	e-165	3540219	(D87686) KIAA0017 protein [Homo sapiens]	5e-054
2648	Z49218	S.cerevisiae chromosome XIII cosmid 7056	0.002	2984715	(AF053957) dynamin associated protein isoform Dap160-1	0.33

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2649	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	868241	(U29488) C56C10.3 gene product [Caenorhabditis elegans]	7e-030
2650	D38417	Mouse mRNA for arylhydrocarbon receptor, complete cds	3e-028	<NONE>	<NONE>	<NONE>
2651	L29252	Human (clone D13-2) L-idoitol-2 dehydrogenase gene, exon 4, exon 5, exon 6 and exon 7.	0.35	<NONE>	<NONE>	<NONE>
2652	U29171	Human casein kinase I delta mRNA, complete cds >	3e-063	1176666	HYPOTHETICAL 139.1 KD PROTEIN C08B11.3 IN CHROMOSOME II >gi 3874171 gnl PI D e1343795 proteins; cDNA EST EMBL:T01154 comes from this gene; cDNA EST EMBL:T02016 comes from this gene; cDNA EST EMBL:D34307 comes from this gene; cDNA EST EMBL:D37339 comes from	6.8
2653	U63648	Mus musculus p160 myb- binding protein (P160) mRNA, complete cds	6e-058	2645205	(U63648) p160 myb-binding protein [Mus musculus]	2e-038
2654	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.9
2655	Y11740	H.sapiens whn gene, exon 1a and 1b	0.12	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2656	D26179	Rat mRNA for V-1 protein, complete cds	2e-005	3879121	(Z70310) predicted using Genefinder; Similarity to Mouse ankyrin (PIR Acc. No. S37771); cDNA EST EMBL:T01923 comes from this gene; cDNA EST EMBL:D32335 comes from this gene; cDNA EST EMBL:D32723 comes from this gene; cDNA ES... Genefinder; Similarity to M	8e-087
2657	U67518	Methanococcus jannaschii section 60 of 150 of the complete genome	1.2	3876465	(Z81071) predicted using Genefinder; Similarity to Human small nuclear ribonucleoprotein E cDNA EST yk375g7.5 comes from this gene; cDNA EST yk435f5.3 comes from this gen...	6e-011
2658	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
2659	U83176	Mus musculus ROSA 26 transcription AS ROSA26AS mRNA, complete cds	0	1778861	(U83176) ROSA26AS [Mus musculus]	e-101
2660	AB018374	Mus musculus GARP34 mRNA, complete cds	2e-065	3724364	(AB018374) GARP34 [Mus musculus]	7e-010
2661	AB018374	Mus musculus GARP34 mRNA, complete cds	2e-065	3724364	(AB018374) GARP34 [Mus musculus]	7e-010

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2662	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.6
2663	AL022168	Human DNA sequence from clone U247E12 on chromosome Xq22-23, complete sequence [Homo sapiens]	8e-008	<NONE>	<NONE>	<NONE>
2664	M10277	Human cytoplasmic beta-actin gene, complete cds.	5e-063	<NONE>	<NONE>	<NONE>
2665	D83769	Homo sapiens DNA, corresponding sequence for DHFR	5e-014	763429	(U22961) putative ORF; similar in part to the product encoded by human glycerol-3-phosphate dehydrogenase mRNA, GenBank Accession Number L34041; Method: conceptual translation supplied by author [Homo sapiens]	5.9
2666	U15426	Human anonymous mRNA sequence with CCA repeat region.	3e-071	1065484	(U40415) similar to S. cerevisiae LAG1 (SP:P38703)	3e-015
2667	AF032900	Homo sapiens timing protein CLK-1 mRNA, complete cds	0	3811295	(AF032900) timing protein CLK-1; ubiquinone biosynthesis protein COQ7 [Homo sapiens]	3e-061
2668	L39210	Homo sapiens inosine monophosphate dehydrogenase type II gene, complete cds	e-111	2887425	(AB007885) KIAA0425 [Homo sapiens]	3e-036

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2669	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7.00E-07	<NONE>	<NONE>	<NONE>
2670	X93016	S.scrofa mRNA for cytosolic malic enzyme NADP-dependent	5e-045	101706	hypothetical protein 2 - yeast (Saccharomyces kluyveri) plasmid pSKL >gi 4870 (X54850) ORF 2, has similarity to DNA polymerase [Saccharomyces kluyveri]	7.7
2671	J03068	Human DNF1552 (lung) mRNA, complete cds.	0.041	2414623	(Z99259) putative phosphotransferase	7e-021
2672	X81372	H.sapiens mRNA for biphenyl hydrolase-related protein	2e-016	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.0001
2673	AB012130	Homo sapiens SBC2 mRNA for sodium bicarbonate cotransporter2, complete cds	0.00E+00	3097316	(AB012130) sodium bicarbonate cotransporter2 [Homo sapiens]	3e-045
2674	D83769	Homo sapiens DNA, corresponding sequence for DHFR	5e-014	763429	(U22961) putative ORF; similar in part to the product encoded by human glycerol-3-phosphate dehydrogenase mRNA, GenBank Accession Number L34041; Method: conceptual translation supplied by author [Homo sapiens]	5.9
2675	D38522	Human mRNA for KIAA0080 gene, partial cds	1e-022	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.002
2676	D38522	Human mRNA for KIAA0080 gene, partial cds	1e-022	728831	!!!! ALU SUBFAMILY J WARNING	0.002

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					ENTRY	
2677	AF072810	Homo sapiens transcription factor WSTF mRNA, complete cds	0	4049922	(AF072810) transcription factor WSTF [Homo sapiens]	1e-070
2678	U41767	Human metargidin precursor mRNA, complete cds	e-130	1235674	(U41767) metargidin precursor [Homo sapiens]	1.00E-02
2679	L81613	Homo sapiens (subclone 4_c7 from P1 H17) DNA sequence	0.38	<NONE>	<NONE>	<NONE>
2680	M68841	Human L1 repetitive sequence with a region homologous to a mouse ORF.	9.00E-30	106322	hypothetical protein (L1H 3' region) - human	8e-008
2681	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0005	<NONE>	<NONE>	<NONE>
2682	D87973	Mus musculus Impact mRNA, complete cds	0	4038076	(D87973) Impact [Mus musculus]	1e-095
2683	M69175	Human H-protein mRNA, complete cds.	2e-017	<NONE>	<NONE>	<NONE>
2684	Z80361	H.sapiens HLA-DRB pseudogene, repeat region;	1e-082	1706108	MITOCHONDRIAL CARNITINE O-PALMITOYLTRANSFERASE I, LIVER ISOFORM (CPT I) (CPTI-L) carnitine palmitoyltransferase I [Homo sapiens] I [Homo sapiens]	0.67

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2685	AF017044	Dictyostelium discoideum LTR-retrotransposon Skipper, partial genomic sequence, 3' end	0.014	<NONE>	<NONE>	<NONE>
2686	U40825	Mus musculus WW-domain binding protein 1 mRNA, complete cds	e-118	1777577	(U40825) WW-domain binding protein 1 [Mus musculus]	2.00E-29
2687	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	2281149	(U58553) maturase [Carum carvi]	4.6
2688	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	3328840	(AE001314) Putative outer membrane protein A [Chlamydia trachomatis]	5.8
2689	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
2690	AB012130	Homo sapiens SBC2 mRNA for sodium bicarbonate cotransporter2, complete cds	0.00E+00	3097316	(AB012130) sodium bicarbonate cotransporter2 [Homo sapiens]	3e-045
2691	X69516	H.sapiens gene for folate receptor	3e-008	<NONE>	<NONE>	<NONE>
2692	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5.00E-04	1203965	(L42379) bone-derived growth factor [Homo sapiens]	0.17
2693	Z15027	H.sapiens HLA class III DNA	3.00E-07	728836	!!!! ALU SUBFAMILY SP WARNING ENTRY	3.6
2694	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2e-006	<NONE>	<NONE>	<NONE>
2695	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2e-006	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2696	X77775	G.gallus Gal beta 1, 3 GalNAc-specific GalNAc alpha 2, 6-sialyltransferase mRNA.	1e-022	3873839	(Z81029) W05H12.2 [Caenorhabditis elegans] >gi 3880545 gnl PI D e1350077 (Z82072) W05H12.2	5.9
2697	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	2281149	(U58553) maturase [Carum carvi]	4.6
2698	U33005	Mus musculus tbc1 mRNA, complete cds. > :: gb 186429 I86429 Sequence 1 from patent US 5700927	3e-093	3893077	(Y17923) lyncein [Bos taurus]	1e-040
2699	U74651	Human DNA polymerase gamma (polg) gene, promoter region and partial cds	1e-022	113667	!!!! ALU CLASS B WARNING ENTRY !!!!	0.002
2700	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-009	3064257	(AF043899) amphiphysin IIc1 [Homo sapiens]	0.87
2701	U43893	Mus musculus ATP synthase gamma-subunit gene, nuclear gene encoding a mitochondrial protein, partial cds	0.005	3929529	(AF034611) intrinsic factor-B12 receptor precursor; cubilin [Homo sapiens]	0.67
2702	U43893	Mus musculus ATP synthase gamma-subunit gene, nuclear gene encoding a mitochondrial protein, partial cds	0.005	3929529	(AF034611) intrinsic factor-B12 receptor precursor; cubilin [Homo sapiens]	0.67

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2703	M30704	Human amphiregulin (AR) mRNA, complete cds, clones lambda-AR1 and lambda-AR2.	0	113754	AMPHIREGULIN PRECURSOR (AR)	4e-041
2704	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-010	<NONE>	<NONE>	<NONE>
2705	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.2
2706	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	2832664	(AL021710) pollen-specific protein - like [Arabidopsis thaliana]	8e-020
2707	U00684	Human unknown mRNA.	2e-038	2500412	30S RIBOSOMAL PROTEIN S6 Mycoplasma pneumoniae (SGC3) (ATCC 29342); >gi 1674305 similar to Swiss-Prot Accession Number P02358, from E. coli [Mycoplasma pneumoniae]	1.3
2708	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-015	108693	glutamic acid-rich protein, retinal - bovine taurus]	0.067
2709	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	79703	hypothetical 32K protein (frxC 5' region) - Synechocystis sp. (PCC 6803) >gi 217091 gnl PI D d1001745	0.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2710	AF083395	Homo sapiens phospholipase A2-activating protein mRNA, complete cds	e-175	4106818	(AF083395) phospholipase A2-activating protein [Homo sapiens]	4e-039
2711	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-011	<NONE>	<NONE>	<NONE>
2712	AB019488	Homo sapiens DNA for TRKA, exon 17 and complete cds	0	37403	(X03541) trk gene product (aa 1-641) [Homo sapiens]	1e-032
2713	X62570	H.sapiens mRNA for IFP53	e-105	32709	(X62570) IFP53 [Homo sapiens]	6e-033
2714	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.005	1170056	GENERAL SECRETION PATHWAY PROTEIN F	4.3
2715	AF031924	Homo sapiens homeobox transcription factor barx2	e-161	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
2716	AF031924	Homo sapiens homeobox transcription factor barx2	e-161	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
2717	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.4
2718	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.4
2719	L20826	Human I-plastin mRNA, complete cds.	e-163	2493466	I-PLASTIN (INTESTINE-SPECIFIC PLASTIN) >gi 1362892 pir A56536 plastin, intestine-specific - human >gi 405230 (L20826) I-plastin	6e-069

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2720	Z54386	H.sapiens CpG DNA, clone 10g3, forward read cpg10g3.ft1a	7e-059	1788180	(AE000281) biotin sulfoxide reductase 2 [Escherichia coli]	5.8
2721	AF086201	Homo sapiens full length insert cDNA clone ZC42G09	1e-085	2564332	(AB006630) KIAA0292 [Homo sapiens]	5.4
2722	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	0.12
2723	AJ006267	Homo sapiens mRNA for ClpX-like protein	0	3688380	(AJ006267) ClpX-like protein [Homo sapiens]	1e-091
2724	AF064801	Homo sapiens multiple membrane spanning receptor TRC8 (TRC8) mRNA, complete cds	0	3395787	(AF064801) multiple membrane spanning receptor TRC8	e-123
2725	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	2599526	(AF029331) immunoglobulin heavy chain V region [Homo sapiens]	4.2
2726	Y08013	S.salar DNA segment containing GT repeat	0.006	<NONE>	<NONE>	<NONE>
2727	Y08013	S.salar DNA segment containing GT repeat	0.006	<NONE>	<NONE>	<NONE>
2728	AE000971	Archaeoglobus fulgidus section 136 of 172 of the complete genome	0.041	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2729	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	1170586	RAS GTPASE- ACTIVATING- LIKE PROTEIN IQGAP1 (P195) (KIAA0051) >gi 627594 pir A5 4854 Ras GTPase activating-related protein - human sapiens] >gi 536844 (L33075) ras GTPase- activating-like protein [Homo sapiens]	9e-011
2730	M60858	Human nucleolin gene, complete cds.	e-129	<NONE>	<NONE>	<NONE>
2731	M85145	Human tumor necrosis factor receptor, 3' flank.	2e-007	<NONE>	<NONE>	<NONE>
2732	M85145	Human tumor necrosis factor receptor, 3' flank.	2e-007	<NONE>	<NONE>	<NONE>
2733	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-013	<NONE>	<NONE>	<NONE>
2734	L07063	Mus musculus FKBP65 binding protein mRNA, complete cds	6e-089	2137294	FKBP65 binding protein - mouse >gi 894162	6e-024
2735	X63432	H.sapiens ACTB mRNA for mutant beta-actin	e-112	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-014
2736	AF083395	Homo sapiens phospholipase A2-activating protein mRNA, complete cds	0	4106818	(AF083395) phospholipase A2- activating protein [Homo sapiens]	1e-094
2737	AJ012449	Homo sapiens mRNA for NS1- binding protein	3e-009	3165570	(AF067946) similar to Drosophila ring canal protein	4e-032

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2738	M27878	Human DNA binding protein (HPF2) mRNA, complete cds.	3e-063	3702137	(AL031393) dJ733D15.1 (Zinc-finger protein) [Homo sapiens]	1e-040
2739	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
2740	Y15230	Homo sapiens pygl gene, exon 5 and partial intron 4 and 5	e-166	3170407	(AF046798) glycogen phosphorylase [Homo sapiens]	1e-044
2741	Z96177	H.sapiens telomeric DNA sequence, clone 10QTELO40, read 10QTELOO040.s eq	1e-053	987050	(X65335) lacZ gene product [unidentified cloning vector]	2e-005
2742	M90058	Human serglycin gene, exons 1,2, and 3.	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	8.8
2743	X69878	H.sapiens Flt4 mRNA for transmembrane tyrosine kinase	2e-088	<NONE>	<NONE>	<NONE>
2744	X69878	H.sapiens Flt4 mRNA for transmembrane tyrosine kinase	2e-088	<NONE>	<NONE>	<NONE>
2745	AB007923	Homo sapiens mRNA for KIAA0454 protein, partial cds	0	3413870	(AB007923) KIAA0454 protein [Homo sapiens]	1e-098
2746	AF042181	Homo sapiens testis-specific Y-encoded-like protein (TSPYL) mRNA, partial cds	2e-047	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3
2747	AL021173	Caenorhabditis elegans cosmid VK10D6R, complete sequence [Caenorhabditis elegans]	1.2	<NONE>	<NONE>	<NONE>
2748	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	0.12

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2749	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-008	<NONE>	<NONE>	<NONE>
2750	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-008	<NONE>	<NONE>	<NONE>
2751	M22970	Human pancreatic phospholipase A-2 (PLA-2) gene, exons 1 to 3.	1e-032	113671	!!!! ALU CLASS F WARNING ENTRY !!!!	3e-006
2752	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.2
2753	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-011	3219914	HYPOTHETICAL 16.8 KD PROTEIN C30D10.04 IN CHROMOSOME II >gi 2276353 gnl PI D e330328 pombe]	1e-011
2754	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	3875246	(281490) similar to WD domain, G-beta repeats (2 domains); cDNA EST EMBL:T00482 comes from this gene; cDNA EST EMBL:T00923 comes from this gene; cDNA EST yk449d4.3 comes from this gene; cDNA EST yk449d4.5 comes from this gen...	5e-075

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2755	D79205	Human mRNA for ribosomal protein L39, complete cds	1e-086	1173044	60S RIBOSOMAL PROTEIN L39 norvegicus] >gi 1373419 (U57846) ribosomal protein L39 ribosomal protein L39 [Homo sapiens]	4e-009
2756	AB014591	Homo sapiens mRNA for KIAA0691 protein, complete cds	0	3327196	(AB014591) KIAA0691 protein [Homo sapiens]	1e-047
2757	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-012	115409	CUTICLE COLLAGEN ROL-6 elegans] >gi 3879235 gnl PI D e1348932 (Z66499) similar to cuticle collagen ROL-6; cDNA EST cm10c4 comes from this gene; cDNA EST EMBL:M88874 comes from this gene; cDNA EST yk265e2.3 comes from this gene; cDNA EST yk265e2.5 comes fro	0.031
2758	U78096	Human macrophage colony stimulating factor receptor (c-fms) gene, exon 1A, 2 and partial cds	4e-012	126296	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG protein [Nycticebus coucang]	0.0005
2759	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2760	M27878	Human DNA binding protein (HPF2) mRNA, complete cds.	3e-063	3702137	(AL031393) dJ733D15.1 (Zinc-finger protein) [Homo sapiens]	1e-040
2761	U43076	Mus musculus cdc37 homolog mRNA, complete cds	2e-017	755484	(U20281) cell division cycle control protein 37 [Gallus gallus]	8e-022
2762	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.2
2763	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	1171883	SODIUM-INDEPENDENT ORGANIC ANION TRANSPORTER (ORGANIC ANION TRANSPORTING POLYPEPTIDE) anion - rat >gi 410311 (L19031) oatp [Rattus norvegicus]	2e-036
2764	X54452	D.discoideum culmination spiA (Dd31) gene	3.3	<NONE>	<NONE>	<NONE>
2765	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	<NONE>	<NONE>	<NONE>
2766	AF053698	Reporter vector pAP1-Luc, complete sequence	3e-019	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.2
2767	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-012	3582428	(AB017257) glycocyamine kinase beta chain [Neanthes diversicolor]	4.3
2768	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
2769	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial	6e-006	3511122	(AF060503) zinc finger protein [Homo sapiens]	5.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		cds				
2770	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>
2771	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>
2772	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
2773	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-013	804788	(M13002) 2855 is the position of the first start codon in ORF 2; putative [Mus musculus]	0.64
2774	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-008	<NONE>	<NONE>	<NONE>
2775	M86526	Rat proline-rich protein (PRP) gene, 5' end, and containing several Alu-like repetitive elements.	0.37	<NONE>	<NONE>	<NONE>
2776	Z22923	M.musculus alpha2 (IX) collagen gene, complete CDS.	0.002	<NONE>	<NONE>	<NONE>
2777	Z22923	M.musculus alpha2 (IX) collagen gene, complete CDS.	0.002	<NONE>	<NONE>	<NONE>
2778	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2779	Z74035	Caenorhabditis elegans cosmid F47G9, complete sequence [Caenorhabditis elegans]	3.4	2879805	(AL021813) hypothetical protein	5.7
2780	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>
2781	AG001356	Homo sapiens genomic DNA, 21q region, clone: 9H11BG25	2e-015	<NONE>	<NONE>	<NONE>
2782	D83006	Saccharomyces cerevisiae MNN4 gene, complete cds	1.2	<NONE>	<NONE>	<NONE>
2783	Z59640	H.sapiens CpG DNA, clone 167g11, forward read cpg167g11.ft1b .	0.12	<NONE>	<NONE>	<NONE>
2784	AF049069	Pinus radiata PRE87 mRNA, complete cds	1.1	1518141	(U66568) myocyte enhancer factor 2A MEF2A [Danio rerio]	3.1
2785	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.4
2786	AF031931	Hydra oligactis cyclic GMP-dependent protein kinase (hyGK) mRNA, complete cds	0.13	<NONE>	<NONE>	<NONE>
2787	Z96177	H.sapiens telomeric DNA sequence, clone 10QTELO40, read 10QTELOO040.s eq	3e-041	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.015

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2788	L48716	Homo sapiens galactose-1-phosphate uridyl transferase (GALT) mutant F117S gene, exons 3 and 4	1.1	77657	hypothetical 30.1K protein - Pseudomonas aeruginosa	0.095
2789	U73902	Mus musculus emerlin (Sta) mRNA, complete cds	0.37	529773	(U06752) Heterodimeric complex composed of a mucin subunit, ASGP-1, which is predominantly O-glycosylated, and a cysteine-rich transmembrane subunit, ASGP-2, which is predominantly N-glycosylated [Rattus norvegicus]	0.009
2790	X54171	H.sapiens NG2-6 DNA	4e-021	<NONE>	<NONE>	<NONE>
2791	M30519	Mouse mammary tumor virus gag gene, 3' end, pol gene, 5' end.	0.12	1262926	(U51903) RasGAP-related protein [Homo sapiens]	4.3
2792	AJ223355	Rattus norvegicus mRNA for mitochondrial dicarboxylate carrier	0.38	128059	NEGATIVE FACTOR (F-PROTEIN) (27 KD PROTEIN) (3'ORF) >gi 77283 pir S07993 nef protein - simian immunodeficiency virus SIVsm (isolate F236) immunodeficiency virus]	2
2793	AF086022	Homo sapiens full length insert cDNA clone YW23E02	6e-005	3402679	(AC004697) unknown protein [Arabidopsis thaliana]	9e-016
2794	U47322	Cloning vector DNA, complete sequence.	9e-010	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2795	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	3873667	(Z71178) similar to collagen	0.093
2796	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	2745961	(U51869) Bcd orf2 [Homo sapiens]	0.47
2797	AF041209	Homo sapiens midline 1 fetal kidney isoform 2	0.0002	<NONE>	<NONE>	<NONE>
2798	AF092564	Homo sapiens chromosome- associated protein-C	5e-056	4092846	(AB019987) chromosome- associated polypeptide-C [Homo sapiens]	3e-017
2799	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
2800	M95623	Homo sapiens hydroxymethylbil ane synthase gene, complete cds.	0.005	4007760	(AL034433) importin alpha subunit	4.2
2801	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
2802	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	1065945	(U40799) coded for by C. elegans cDNA yk28f2.3; coded for by C. elegans cDNA yk12c10.3; coded for by C. elegans cDNA yk5a12.3; coded for by C. elegans cDNA yk49a8.3; coded for by C. elegans cDNA yk12c10.5; coded for by C. elegans cDNA yk28f2...	0.12

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2803	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.04	<NONE>	<NONE>	<NONE>
2804	M74558	Human SIL mRNA, complete cds. > :: gb G28581 G285 81 human STS SHGC-35335.	e-126	<NONE>	<NONE>	<NONE>
2805	M72885	Human GOS2 gene, 5' flank and cds.	0.36	3873821	(Z68213) cDNA EST yk266c4.5 comes from this gene; cDNA EST yk266c4.3 comes from this gene	1.8
2806	U27341	Bos taurus endothelin converting enzyme-2 Sequence 1 from patent US 5736376	6e-078	2136744	endothelin converting enzyme-2 - bovine	3e-028
2807	U36756	Mus musculus thrombin receptor (Cf2r) gene, exon 1	0.013	<NONE>	<NONE>	<NONE>
2808	AJ003209	Human immunodeficiency virus type 1 mRNA for reverse transcriptase, isolate H-20, partial	0.12	<NONE>	<NONE>	<NONE>
2809	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>
2810	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-009	1272701	(L11900) cytochrome b [Cratogeomys bulleri]	9.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2811	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
2812	AB006572	Homo sapiens RMP mRNA for RBP5 meidating protein, complete cds	0	3970833	(AB006572) RBP5 meidating protein [Homo sapiens]	5e-037
2813	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	1109865	(U41540) coded for by C. elegans cDNA yk42d12.5; coded for by C. elegans cDNA yk27e10.5; coded for by C. elegans cDNA cm08h6; coded for by C. elegans cDNA yk88e12.5; coded for by C. elegans cDNA yk42d12.3; coded for by C. elegans cDNA yk27e1...	2e-009
2814	Z26259	H.sapiens isoform 1 gene for L-type calcium channel, exon 4	3e-029	3426264	(AF037269) cell division protein [Mycobacterium smegmatis]	0.47
2815	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	2358285	(AF010403) ALR [Homo sapiens]	0.27
2816	AC004498	Homo sapiens chromosome 5, P1 clone 1209C1 (LBNL H104), complete sequence [Homo sapiens]	2e-006	<NONE>	<NONE>	<NONE>
2817	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2818	U43626	Human chromosome 15q11-q13 putative DNA replication origin in the g-aminobutyric acid receptor b3 and a5 gene cluster	2e-018	2197085	(AF003535) ORF2-like protein [Homo sapiens]	0.0002
2819	Z96402	H.sapiens telomeric DNA sequence, clone 18QTEL022, read 18QTELOO022.s eq	0.001	386792	(M32334) intercellular adhesion molecule 2 (ICAM-2) [Homo sapiens]	9.2
2820	U43626	Human chromosome 15q11-q13 putative DNA replication origin in the g-aminobutyric acid receptor b3 and a5 gene cluster	2e-018	2197085	(AF003535) ORF2-like protein [Homo sapiens]	0.0002
2821	U66534	Human beta4-integrin (ITGB4) gene, exon 14,15,16,17 and 18	0.12	<NONE>	<NONE>	<NONE>
2822	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.2
2823	AC001462	Homo sapiens (subclone 2_h10 from BAC H107) DNA sequence	3e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	7.1
2824	AE000464	Escherichia coli K-12 MG1655 section 354 of 400 of the complete genome	6e-005	3879850	(Z81592) predicted using Genefinder	2e-039
2825	AB018304	Homo sapiens mRNA for KIAA0761 protein, partial cds	3e-009	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2826	AL008982	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-52, complete sequence	3.2	3880930	(AL021481) similar to Phosphoglucomutase and phosphomannomutase phosphoserine; cDNA EST EMBL:D36168 comes from this gene; cDNA EST EMBL:D70697 comes from this gene; cDNA EST yk373h9.5 comes from this gene; cDNA EST EMBL:T008...	5e-053
2827	Z54196	S.cereale DNA for repeat unit (D1100 family)	0.36	2500714	HYPOTHETICAL 35.0 KD PROTEIN F48E8.1 IN CHROMOSOME III >gi 746485 (U23514) similar to antigen domain of venom allergen (SP:VA52_DOLMA, P10736) and to antigen 5 (PIR:A37329) [Caenorhabditis elegans]	4.1
2828	Z95979	Homo sapiens hRED1 gene, exons 7, 8, 9 and 10	7e-017	113668	!!!! ALU CLASS C WARNING ENTRY !!!!	0.002
2829	Z15030	H.sapiens gene for ventricular myosin light chain 2 > :: gb L01652 HUM VMLC Human ventricular myosin light chain 2 gene, seven exons.	5e-024	565265	(M76741) biliary glycoprotein [Homo sapiens]	9.2
2830	U56440	Human His-1 gene sequence	8e-007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2831	AF009941	Tomocichla tuba cytochrome b (cytb) gene, mitochondrial gene encoding mitochondrial protein, complete cds	1.2	<NONE>	<NONE>	<NONE>
2832	X68011	H.sapiens ZNF81 gene	3e-030	1731442	ZINC FINGER PROTEIN 81 human (fragment) >gi 454325 (X68011) ZNF81 gene product	1e-020
2833	U36499	Human lymphoid-specific SP100 homolog (LYSP100-A) mRNA, complete cds	1e-020	<NONE>	<NONE>	<NONE>
2834	Z60692	H.sapiens CpG DNA, clone 31f7, reverse read cpg31f7.r1a .	3e-059	<NONE>	<NONE>	<NONE>
2835	X92485	P.vivax pva1 gene	0.0002	<NONE>	<NONE>	<NONE>
2836	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0005	576257	Prostatic Acid Phosphatase (E.C.3.1.3.2) Complexed With Tartaric Acid >gi 576258 pdb 1RPT Prostatic Acid Phosphatase (E.C.3.1.3.2) Complexed With Vanadate	3e-009

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2837	U72372	Scandia geniculata 18S ribosomal RNA and 25S ribosomal RNA genes, partial sequence, and internal transcribed spacer 1, 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence	0.12	<NONE>	<NONE>	<NONE>
2838	D49425	Anabaena variabilis rbpD gene for RNA-binding protein, complete cds	3.2	<NONE>	<NONE>	<NONE>
2839	X95844	S.cerevisiae POP3 gene	3.5	<NONE>	<NONE>	<NONE>
2840	AE001425	Plasmodium falciparum chromosome 2, section 62 of 73 of the complete sequence	0.041	3880909	(AL032636) Y40B1B.3 [Caenorhabditis elegans]	5.5
2841	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
2842	X69064	M.musculus Ank-1 mRNA for erythroid ankyrin	1.3	<NONE>	<NONE>	<NONE>
2843	U61950	Caenorhabditis elegans cosmid C45E5	0.13	<NONE>	<NONE>	<NONE>
2844	U73332	Human non-coding genomic sequence upstream from unique L0 sequence in the alpha-globin gene cluster	1e-010	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2845	U21051	Human G protein-coupled receptor (GPR4) gene, complete cds.	0.13	<NONE>	<NONE>	<NONE>
2846	X57921	O.sativa random single-copy DNA fragment 12RG214R	4.1	<NONE>	<NONE>	<NONE>
2847	AF037219	Homo sapiens PIX1 mRNA sequence	0.043	<NONE>	<NONE>	<NONE>
2848	M55124	Human cystic fibrosis transmembrane conductance regulator (CFTR) gene, exon 17b	0.005	<NONE>	<NONE>	<NONE>
2849	AF035527	Mus musculus EHF (Ehf) mRNA, complete cds	e-164	3138930	(AF035527) EHF [Mus musculus]	5e-084
2850	AF052695	Rattus norvegicus cell cycle protein p55CDC gene, complete cds	3.7	2894379	(Y14573) ring finger protein [Hordeum vulgare]	8.2
2851	<NONE>	<NONE>	<NONE>	3327112	(AB014549) KIAA0649 protein [Homo sapiens]	3.8
2852	M34664	Human chaperonin (HSP60) mRNA, complete cds.	0	2501737	TRANSCRIPTIONAL ACTIVATOR PROTEIN ACU-15 >gi 1922895 gnl PI D e308394 (Y11565) transcriptional activator protein [Neurospora crassa]	4.4
2853	D49701	Aspergillus oryzae niaD gene for nitrate reductase, complete cds	0.042	3879556	(Z70756) T06E4.11 [Caenorhabditis elegans]	0.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2854	AF016266	Homo sapiens TRAIL receptor 2 mRNA, complete cds	1e-010	134846	SMALL PROLINE-RICH PROTEIN II rich protein [Homo sapiens]	1.5
2855	U44862	Human Down Syndrome region of chromosome 21, clone A11E6-2B6.	1.2	<NONE>	<NONE>	<NONE>
2856	X14503	Chlamydomonas eugametos petD gene for cytochrome b6/f complex subunit IV	0.13	<NONE>	<NONE>	<NONE>
2857	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	3228515	(U70256) SomA [Synechococcus PCC6301]	4.6
2858	M25534	Chicken actin-capping protein (CapZ 36/32) alpha subunit mRNA, complete cds.	0.41	<NONE>	<NONE>	<NONE>
2859	X84372	D.melanogaster lethal(3)73A gene	1.1	<NONE>	<NONE>	<NONE>
2860	AF053551	Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, complete cds	0	3283049	(AF053551) metaxin 2 [Homo sapiens]	2e-089
2861	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-005	3877358	(Z66520) similar to RBB3 like protein; cDNA EST EMBL:C08891 comes from this gene; cDNA EST EMBL:C09371 comes from this gene; cDNA EST yk468f10.5 comes	3e-005

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					from this gene [Caenorhabditis elegans]	
2862	AB002450	Homo sapiens mRNA from chromosome 5q21-22, clone:A3-A	2e-014	3790760	(AF099922) No definition line found [Caenorhabditis elegans]	2.5
2863	AF053698	Reporter vector pAP1-Luc, complete sequence	1e-009	<NONE>	<NONE>	<NONE>
2864	AF045086	Drosophila prosaltans 14045-0901.4 cytochrome oxidase II (COII) gene, mitochondrial gene encoding mitochondrial protein, complete cds	0.005	<NONE>	<NONE>	<NONE>
2865	Y09312	C.botulinum HA-70 gene (partial) and HA-17 gene	0.002	1171601	(X95276) rps8 [Plasmodium falciparum]	5.7
2866	AJ001597	Homo sapiens gene encoding cAMP-dependent protein kinase gamma isoform	0.005	1869883	(Z86099) RS1 [human herpesvirus 2] herpesvirus 2]	0.52
2867	AF022962	Mus musculus Sec8 mRNA, complete cds	1.1	<NONE>	<NONE>	<NONE>
2868	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0005	2499622	PROBABLE SERINE/THREONINE-PROTEIN KINASE YOL113W (PROTEIN KINASE 75490	3.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					D)	
2869	AJ005262	Dictyostelium discoideum gene encoding a novel glycoprotein	0.12	<NONE>	<NONE>	<NONE>
2870	U08214	Rattus sp. DNA binding protein (URE-B1) mRNA, complete cds.	0.12	4033834	(AJ009556) cytoskeleton assembly control protein Sla2p [Candida albicans]	0.13
2871	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
2872	M31061	Human ornithine decarboxylase gene, complete cds.	2e-015	3808095	(Y08560) SCO-spondin [Bos taurus]	0.098
2873	U21914	Human duplicate spinal muscular atrophy mRNA, clone 5G7, partial cds.	0.002	<NONE>	<NONE>	<NONE>
2874	<NONE>	<NONE>	<NONE>	1228047	(D83782) the KIAA0199 gene is expressed ubiquitously.; the KIAA0199 protein shows similarity to sea urchin hydroxymethylglutaryl-CoA reductase, and retains 8 hydrophobic domains. [Homo sapiens]	2.5
2875	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	4105505	(AF046914) multiple inositol polyphosphate phosphatase	5.6
2876	Z96210	H.sapiens telomeric DNA sequence, clone 12PTEL057, read 12PTELOO057.s eq	0.014	2347056	(AJ000085) Nedd4 protein [Xenopus laevis]	5.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2877	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	2133693	masquerade precursor - fruit fly (Drosophila melanogaster) >gi 665545 (U18130) masquerade [Drosophila melanogaster] >gi 1095942 prf 2 110286A masquerade gene	1.2
2878	X54252	C. elegans complete mitochondrial genome	0.38	<NONE>	<NONE>	<NONE>
2879	S81913	adrenocorticotrop in receptor [Papio anubis=baboons, adrenal, mRNA Partial, 426 nt]	1.2	<NONE>	<NONE>	<NONE>
2880	X65997	M.musculus c-kit mRNA for truncated tyrosine-kinase	0.13	<NONE>	<NONE>	<NONE>
2881	AE000588	Helicobacter pylori section 66 of 134 of the complete genome	1.1	<NONE>	<NONE>	<NONE>
2882	U64861	Caenorhabditis elegans cosmid C47D2.	0.12	<NONE>	<NONE>	<NONE>
2883	U23173	Caenorhabditis elegans cosmid K07E1	0.37	2854192	(AF045645) contains similarity to microsomal triglyceride transfer proteins [Caenorhabditis elegans]	7.2
2884	AB014579	Homo sapiens mRNA for KIAA0679 protein, partial cds	0	3327172	(AB014579) KIAA0679 protein [Homo sapiens]	2e-053

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2885	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	1707032	(U80445) coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8....	0.17
2886	Z22795	H.sapiens microsatellite repeat.	6e-005	<NONE>	<NONE>	<NONE>
2887	AE001061	Archaeoglobus fulgidus section 46 of 172 of the complete genome	1.1	3738162	(AL031856) putative involvement in protein glycosylation in the golgi [Schizosaccharom yces pombe]	2.4
2888	U05094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
2889	Z96643	H.sapiens telomeric DNA sequence, clone 5QTEL064, read 5QTELOO064.se q	0.0005	1363732	probable membrane protein YLR454w - yeast	4
2890	Z96643	H.sapiens telomeric DNA sequence, clone 5QTEL064, read 5QTELOO064.se q	0.0005	1363732	probable membrane protein YLR454w - yeast	4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2891	X80169	M.musculus mRNA for 200 kD protein	e-177	1717793	PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi 1083553 pir A55117 tsg24 protein - mouse	5e-069
2892	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-009	3832555	(AF077439) immunoglobulin heavy chain variable region	4.4
2893	AC002359	Homo sapiens Xp22 Cosmid U239B3 (from Lawrence Livermore X library) complete sequence [Homo sapiens]	2e-007	3599342	(AF081112) ORF2 [Mus musculus domesticus]	0.61
2894	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	3123058	HYPOTHETICAL WD-REPEAT PROTEIN SLL0163 >gi 1001440 gnl PI D d1010715 (D63999) beta transducin-like protein [Synechocystis sp.]	0.001
2895	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.2
2896	Z46940	H.sapiens PRM1 gene, PRM2 gene and TNP2 gene	0.013	<NONE>	<NONE>	<NONE>
2897	Z47735	H.sapiens NFKB1 gene, exons 11 & 12	2e-008	<NONE>	<NONE>	<NONE>
2898	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.004	2224611	(AB002333) KIAA0335 [Homo sapiens]	4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2899	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
2900	X00367	Chlamydomonas chloroplast DNA region with ARS element 03 (ARS = autonomously replicating sequence)	0.12	<NONE>	<NONE>	<NONE>
2901	U41222	Dictyostelium discoideum RacE (racE) gene, complete cds	0.35	<NONE>	<NONE>	<NONE>
2902	AB007504	Triticum aestivum TaMADS#11 mRNA for MADS box transcription factor, complete cds	0.042	<NONE>	<NONE>	<NONE>
2903	X65319	Cloning vector pCAT-Enhancer	7e-069	987050	(X65335) lacZ gene product [unidentified cloning vector]	7e-011
2904	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0005	5924670	(AC004990) supported by Genscan and several ESTs: C83049	6e-042
2905	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.041	2132051	hypothetical protein YOR083w - yeast	3.3
2906	Z12112	pWE15A cosmid vector DNA	6e-068	987050	(X65335) lacZ gene product [unidentified cloning vector]	2e-009
2907	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	2995374	(AL022245) hypothetical protein	5e-005

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2908	U47322	Cloning vector DNA, complete sequence.	3e-009	<NONE>	<NONE>	<NONE>
2909	X71623	H.sapiens ZNF74-1 mRNA > :: gb G27154 G27154 human STS SHGC-31580.	4e-012	113669	!!!! ALU CLASS D WARNING ENTRY !!!!	4.1
2910	U43626	Human chromosome 15q11-q13 putative DNA replication origin in the g-aminobutyric acid receptor b3 and a5 gene cluster	7e-007	2394501	(AF024503) No definition line found [Caenorhabditis elegans]	9.6
2911	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.3
2912	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	2688749	(AE001179) conserved hypothetical protein [Borrelia burgdorferi]	2.3
2913	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.6
2914	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4
2915	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
2916	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.004	1209842	(U45423) minus strand repeat motif-containing gene	0.092

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2917	X80283	P.polycephalum genomic DNA containing Taq I repetitive element	3.3	<NONE>	<NONE>	<NONE>
2918	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
2919	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
2920	Z97333	Homo sapiens RHCE gene	9e-020	113667	!!!! ALU CLASS B WARNING ENTRY !!!!	4e-005
2921	AF082350	Homo sapiens bone morphogenetic protein 15 precursor (BMP15) gene, exon 2 and complete cds	1	<NONE>	<NONE>	<NONE>
2922	L14684	Rattus norvegicus nuclear-encoded mitochondrial elongation factor G mRNA, complete cds.	0	585084	ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G) >gi 543383 pir S40780 translation elongation factor G, mitochondrial - rat >gi 310102	9e-089
2923	D78335	Human mRNA for 5'-terminal region of UMK, complete cds	e-163	1718058	URIDINE KINASE (URIDINE MONOPHOSPHO KINASE) >gi 471981 (L31783) uridine kinase	7e-072
2924	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2925	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-013	1351922	AMINE OXIDASE PRECURSOR (MONAMINE OXIDASE) (TYRAMINE OXIDASE) >gi 419575 pir B4 1836 amine oxidase (flavin- containing) (EC 1.4.3.4) precursor - Klebsiella pneumoniae >gi 216723 gnl PI D d1001529	5.6
2926	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-009	<NONE>	<NONE>	<NONE>
2927	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	9.7
2928	AB018285	Homo sapiens mRNA for KIAA0742 protein, partial cds	0	3882205	(AB018285) KIAA0742 protein [Homo sapiens]	2e-093
2929	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	3882183	(AB018274) KIAA0731 protein [Homo sapiens]	4e-049
2930	X94762	H.sapiens DNA for Ki-67 antigen 5'-region (exon 1 & 2)	2e-068	631020	Kallmann syndrome protein homolog - chicken	5.6
2931	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	3522948	(AC004411) hypothetical protein [Arabidopsis thaliana]	2e-026
2932	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		cds				
2933	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-008	<NONE>	<NONE>	<NONE>
2934	M18795	Gorilla pseudo-beta- and delta-globin gene intergenic region with 2 Alu repeats.	7e-028	<NONE>	<NONE>	<NONE>
2935	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0005	<NONE>	<NONE>	<NONE>
2936	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-007	<NONE>	<NONE>	<NONE>
2937	U09874	Mus musculus SKD3 mRNA, complete cds.	2e-086	2493735	SKD3 PROTEIN SKD3 [Mus musculus]	6e-036
2938	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
2939	D38417	Mouse mRNA for arylhydrocarbon receptor, complete cds	e-154	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.4
2940	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	3879062	(Z81576) predicted using Genefinder	9.2
2941	AE001368	Plasmodium falciparum chromosome 2, section 5 of 73 of the complete sequence	0.014	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2942	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
2943	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
2944	AF083322	Homo sapiens centriole associated protein CEP110 mRNA, complete cds	e-133	3435244	(AF083322) centriole associated protein CEP110 [Homo sapiens]	9e-015
2945	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.014	<NONE>	<NONE>	<NONE>
2946	L07040	pFNeo eukaryotic expression vector, complete sequence.	2e-038	987050	(X65335) lacZ gene product [unidentified cloning vector]	4e-005
2947	X65319	Cloning vector pCAT-Enhancer	2e-078	987050	(X65335) lacZ gene product [unidentified cloning vector]	1e-013
2948	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
2949	AL031844	Human DNA sequence from clone 361H15 on chromosome 22q13.2-13.33, complete sequence [Homo sapiens]	3.2	<NONE>	<NONE>	<NONE>
2950	AC002186	Homo sapiens (subclone 1_f12 from P1 H115) DNA sequence	2e-037	2072966	(U93570) p40 [Homo sapiens]	4e-013

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2951	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-005	4105414	(AF045593) ETS DNA binding protein Yan [Drosophila virilis]	1.4
2952	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	629692	hypothetical protein - common tobacco tabacum]	4.3
2953	S60885	LYAR=cell growth regulating nucleolar protein [mice, EL4 cells, mRNA, 1474 nt]	5e-035	2498524	CELL GROWTH REGULATING NUCLEOLAR PROTEIN >gi 423488 pir A40683 cell growth regulating nucleolar protein LYAR - mouse >gi 300372 bbs 131782	5e-014
2954	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>
2955	Z23090	H.sapiens mRNA for 28 kDa heat shock protein.	1e-063	1709972	60S RIBOSOMAL PROTEIN L10A (CSA-19)	3e-020
2956	X87817	M.musculus mRNA for Ulip protein	0.0005	<NONE>	<NONE>	<NONE>
2957	U87997	Enterococcus faecium enterocin B (entB) gene, complete cds	1.2	<NONE>	<NONE>	<NONE>
2958	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.001	<NONE>	<NONE>	<NONE>
2959	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2960	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	3e-009	<NONE>	<NONE>	<NONE>
2961	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	3e-009	<NONE>	<NONE>	<NONE>
2962	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>
2963	X62025	H.sapiens rod cG-PDE G gene for 3', 5'-cyclic nucleotide phosphodiesterase	4e-034	728838	!!!! ALU SUBFAMILY SX WARNING ENTRY	9e-006
2964	AJ223364	Homo sapiens germ-line DNA upstream of Jkappa locus	1e-023	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.2
2965	Z47046	Human cosmid QLL2C9 from Xq28	3e-020	804808	(M13100) unknown protein [Rattus norvegicus]	7e-005
2966	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
2967	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	9e-009	464502	PEROXISOMAL TARGETING SIGNAL RECEPTOR (PEROXISOMAL PROTEIN PAS10) (PEROXIN-5) (PTS1 RECEPTOR) >gi 1078412 pir A49403 tetratricopeptide-repeat protein PAS10 - yeast tetratricopeptide-	9.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					repeat protein [Saccharomyces cerevisiae] >gi 817830 (Z49701) Pas10p [Sa	
2968	AF035940	Homo sapiens MAGOH mRNA, complete cds	3e-050	2306969	(AF007860) xl- Mago [Xenopus laevis]	1e-041
2969	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
2970	X66297	H.sapiens Alu repeat (terminator 3)	5e-014	<NONE>	<NONE>	<NONE>
2971	AB007934	Homo sapiens mRNA for KIAA0465 protein, partial cds	0	3413892	(AB007934) KIAA0465 protein [Homo sapiens]	e-118
2972	X15982	Ascobolus immersus DNA of linear mitochondrial plasmid pAI2 with virus like replication	0.042	<NONE>	<NONE>	<NONE>
2973	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2974	AC002181	Homo sapiens (subclone 2_a12 from BAC H111) DNA sequence	2e-014	3879351	(Z35663) Short region of similarity with glucose-6- phosphate 1- dehydrogenase from Plasmodium falciparum; cDNA EST EMBL:C12945 comes from this gene; cDNA EST yk251d3.3 comes from this gene; cDNA EST yk251d3.5 comes from this ...	0.69
2975	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
2976	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	3334221	4- HYDROXYPHEN YLPYRUVATE DIOXYGENASE 4- hydroxyphenylpyr uvate dioxygenase [Mycosphaerella graminicola]	2e-012
2977	S60885	LYAR=cell growth regulating nucleolar protein	8e-028	2498524	CELL GROWTH REGULATING NUCLEOLAR PROTEIN >gi 423488 pir A4 0683 cell growth regulating nucleolar protein LYAR - mouse >gi 300372 bbs 13 1782	0.72
2978	U43958	Cloning vector pRcCMV-luc luciferase gene, complete cds	1e-010	335109	(M24873) major structural protein [Rhesus macaque polyomavirus]	1.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2979	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-014	399294	CYTOCHROME P450 XXIA3 (STEROID 21-HYDROXYLASE) (P450-C21) >gi 2117374 pir A32525 steroid 21-monooxygenase (EC 1.14.99.10) cytochrome P450 21A1 - pig >gi 164560 (M83939) steroid 21-hydroxylase	3.5
2980	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	1169449	PROBABLE EARLY E4 33 KD PROTEIN	1.9
2981	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.2
2982	Z11711	H.sapiens gene for alpha-2 macroglobulin, exon 1	2e-014	728835	!!!! ALU SUBFAMILY SC WARNING ENTRY	4.2
2983	M76362	Human (Papua New Guinean) Mitochondrial DNA control region, sequence 130.	1e-052	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.2
2984	U21228	Promoter-probe vector pCG1408, complete sequence.	3e-049	<NONE>	<NONE>	<NONE>
2985	X52994	Sheep mRNA for CD3 gamma subunit (partial)	0.005	1084987	cryptogene protein G4 - Sauroleishmania tarentolae (strain LEM125)	2.6
2986	X52994	Sheep mRNA for CD3 gamma subunit (partial)	0.005	1084987	cryptogene protein G4 - Sauroleishmania tarentolae (strain LEM125)	2.6
2987	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2988	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
2989	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	123398	OCTAMER-BINDING TRANSCRIPTION FACTOR 1 (OTF-1) (NF-A1) >gi 104811 pir A34873 transcription factor Oct-1, octamer-binding - chicken >gi 212467	3.2
2990	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	3881655	(Z82090) similar to Alpha-2-macroglobulin family (3 domains); cDNA EST EMBL:D67694 comes from this gene [Caenorhabditis elegans]	6e-019
2991	AB018270	Homo sapiens mRNA for KIAA0727 protein, partial cds	0	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.5
2992	U159745	Caenorhabditis elegans cosmid C10G6.	1.2	2677839	(AF073476) meltrin-L precursor [Homo sapiens]	0.27
2993	X17051	E.gracilis DNA for ribosomal protein operon	0.13	<NONE>	<NONE>	<NONE>
2994	Z14974	D.melanogaster Cpo 61.1 gene for couch potato protein.	1.1	3021409	(Y12781) transducin (beta) like 1 protein [Homo sapiens]	6e-017
2995	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-008	417442	PARA-AMINOBENZOATE SYNTHASE Streptomyces griseus >gi 388263 (M93058) p-aminobenzoic acid synthase [Streptomyces griseus]	4.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
2996	U11270	Human antithrombin III gene, exon 1 and partial cds.	9e-020	113670	!!!! ALU CLASS E WARNING ENTRY !!!!	0.16
2997	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	3024528	RAS-RELATED PROTEIN RAB2BV	1.1
2998	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.17
2999	U51670	Barbus barbus x Barbus meridionalis microsatellite clone no.77	0.13	<NONE>	<NONE>	<NONE>
3000	U79776	Mus musculus ajuba (Ajuba) mRNA, complete cds	4e-094	1710382	(U79776) ajuba; jub [Mus musculus]	8e-037
3001	U79776	Mus musculus ajuba (Ajuba) mRNA, complete cds	4e-094	1710382	(U79776) ajuba; jub [Mus musculus]	8e-037
3002	U79776	Mus musculus ajuba (Ajuba) mRNA, complete cds	e-100	1710382	(U79776) ajuba; jub [Mus musculus]	8e-019
3003	U79776	Mus musculus ajuba (Ajuba) mRNA, complete cds	e-100	1710382	(U79776) ajuba; jub [Mus musculus]	8e-019
3004	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0005	482227	hypothetical protein T07C4.9 - Caenorhabditis elegans >gi 3879509 gnl PI D e1349070 (Z29443) similar to Annexin; cDNA EST EMBL:C10640 comes from this gene; cDNA EST EMBL:C12433 comes from this	0.64

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					gene; cDNA EST yk192f7.5 comes from this gene; cDNA EST yk318c1	
3005	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	1944590	(Z94121) hypothetical protein Rv3899c	7.8
3006	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3007	U40603	Rattus norvegicus rat-slowpoke-alpha mRNA, complete cds	0.12	1082665	oligodendrocyte-specific proline-rich protein 2 - human >gi 1408050 gnl PI D d1006205 (D28114) MOBP [Homo sapiens]	0.22
3008	AF044081	Rattus norvegicus steroidogenic acute regulatory protein (StAR) mRNA, complete cds	1.1	2213519	(Z97350) sigG [Mycobacterium tuberculosis]	3.1
3009	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
3010	X13345	Human gene for plasminogen activator inhibitor 1	1e-009	<NONE>	<NONE>	<NONE>
3011	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	395338	(X66924) helix-loop-helix protein [Homo sapiens]	0.85

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3012	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
3013	D78335	Human mRNA for 5'-terminal region of UMK, complete cds	e-101	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.2
3014	U03887	Human BXP20 gene.	6e-005	<NONE>	<NONE>	<NONE>
3015	U43194	Mus musculus rhophilin mRNA, complete cds	4e-044	1176422	(U43194) rhophilin [Mus musculus]	7e-020
3016	AC004507	Homo sapiens chromosome 5, P1 clone 798F12 (LBNL H82), complete sequence [Homo sapiens]	1.2	<NONE>	<NONE>	<NONE>
3017	X63436	B.taurus mRNA for poly(A) polymerase	0	464345	POLY(A) POLYMERASE (PAP) polynucleotide adenylyltransferase [Bos taurus]	6e-065
3018	M98512	Human NFG genomic fragment.	1e-021	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.095
3019	AJ005016	Homo sapiens mRNA for putative ABC transporter, partial	e-159	3005931	(AJ005016) ABC transporter [Homo sapiens]	2e-039
3020	AJ006778	Homo sapiens mRNA for DRIM protein	1e-053	<NONE>	<NONE>	<NONE>
3021	X65319	Cloning vector pCAT-Enhancer	3e-081	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
3022	U14698	Human Alu-Sb2 repeat, clone HSB-8P.	1e-040	728834	!!!! ALU SUBFAMILY SB2 WARNING ENTRY	0.0001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3023	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	3218396	(AL023860) hypothetical protein	0.0003
3024	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1.20E-01	<NONE>	<NONE>	<NONE>
3025	Z59351	H.sapiens CpG DNA, clone 151a12, reverse read cpg151a12.r1a .	3e-020	1079063	deep orange protein - fruit fly (Drosophila melanogaster) >gi 798832 (X86683) deep orange (dor)	9.90E-02
3026	AB014564	Homo sapiens mRNA for KIAA0664 protein, partial cds	e-164	2498095	5E5 ANTIGEN >gi 1085558 pir J C4163 DNA- binding protein 5E5 - rat norvegicus] >gi 1581020 prf 2 116328A DNA- binding protein 5E5 [Rattus norvegicus]	3.2
3027	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>
3028	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>
3029	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>
3030	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4.00E-12	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3031	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1.20E-01	<NONE>	<NONE>	<NONE>
3032	AF070523	Homo sapiens JWA protein mRNA, complete cds	0.00E+00	<NONE>	<NONE>	<NONE>
3033	Z19055	B.aphidicola tryptophan operon	0.41	<NONE>	<NONE>	<NONE>
3034	Z19055	B.aphidicola tryptophan operon	0.41	<NONE>	<NONE>	<NONE>
3035	Z19055	B.aphidicola tryptophan operon	0.41	<NONE>	<NONE>	<NONE>
3036	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	7.00E-07	<NONE>	<NONE>	<NONE>
3037	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
3038	AF064482	Homo sapiens natural resistance-associated macrophage protein 2 (NRAMP2) gene, exons 16 and 16A, alternatively spliced IRE form, complete cds	0	<NONE>	<NONE>	<NONE>
3039	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1.20E-01	<NONE>	<NONE>	<NONE>
3041	U28153	Caenorhabditis elegans UNC-76 (unc-76) gene, complete cds.	0.38	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3042	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5.00E-03	1079063	deep orange protein - fruit fly (Drosophila melanogaster) >gi 798832 (X86683) deep orange (dor)	0.23
3043	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5.00E-03	1079063	deep orange protein - fruit fly (Drosophila melanogaster) >gi 798832 (X86683) deep orange (dor)	0.23
3044	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2.00E-05	<NONE>	<NONE>	<NONE>
3045	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
3046	U63810	Homo sapiens WD40 protein Ciao 1 mRNA, complete cds	0.00E+00	3219331	(AC004020) Unknown gene product [Homo sapiens]	2e-097
3047	M21533	Human MHC class I lymphocyte antigen (HLA-E)	2e-005	120467	V-FOS/FOX TRANSFORMIN G PROTEIN murine osteosarcoma virus (provirus) (fragment)	9.9
3048	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	6e-006	462702	NEUROFILAME NT TRIPLET H PROTEIN (200 KD NEUROFILAME NT PROTEIN) (NF-H)	2.6
3049	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3050	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.6
3051	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5.00E-04	3116127	(AL023287) hypothetical protein	6.9
3052	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7.00E-06	586875	HYPOTHETICAL 29.2 KD PROTEIN IN METS-KSGA INTERGENIC REGION >gi 2127033 pir S66068 hypothetical protein - Bacillus subtilis subtilis >gi 2632306 gnl PI D e1181972 (Z99104) similar to hypothetical proteins [Bacillus subtilis]	2e-014
3053	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	1326350	(U58748) similar to potential transmembrane domains in S. cerevisiae nuclear division RFT1 protein (SP:P38206)	0.035
3054	Y10938	Homo sapiens retroviral-like sequence S71, SLTR and env-like sequence	6e-016	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.4
3055	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-05	<NONE>	<NONE>	<NONE>
3056	AE000723	Aquifex aeolicus section 55 of 109 of the complete genome	1.20E+00	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3057	U18055	Lycopersicon esculentum 1- aminocyclopropa ne-1-carboxylate synthase (LE- ACS3) DNA, partial cds	1.10E+00	<NONE>	<NONE>	<NONE>
3058	AJ006025	Cicer arietinum mRNA for acyl- coA synthetase, partial	0.38	<NONE>	<NONE>	<NONE>
3059	AJ006025	Cicer arietinum mRNA for acyl- coA synthetase, partial	0.38	<NONE>	<NONE>	<NONE>
3060	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.014	<NONE>	<NONE>	<NONE>
3061	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.014	<NONE>	<NONE>	<NONE>
3062	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3.00E-10	3880303	(Z54238) T28C6.1 [Caenorhabditis elegans]	4.10E-02
3063	AE000723	Aquifex aeolicus section 55 of 109 of the complete genome	1.20E+00	<NONE>	<NONE>	<NONE>
3064	Y14352	Gallus gallus gene encoding neurofascin, exons 31 & 31	0.042	995644	(Z54206) UL38 [Bovine herpesvirus 1] >gi 1149580 (Z49078) UL38 [Bovine herpesvirus 1] >gi 2653309 gnl PI D e1187305	1.9
3065	AE000723	Aquifex aeolicus section 55 of 109 of the complete genome	1.20E+00	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3066	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-03	<NONE>	<NONE>	<NONE>
3067	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-03	<NONE>	<NONE>	<NONE>
3068	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-03	<NONE>	<NONE>	<NONE>
3069	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.38	1395143	(D86080) aniline dioxygenase reductase component [Acinetobacter sp.] dioxygenase reductase component [Acinetobacter sp.]	9.00E-05
3070	AE001398	Plasmodium falciparum chromosome 2, section 35 of 73 of the complete sequence	0.0005	<NONE>	<NONE>	<NONE>
3071	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.014	<NONE>	<NONE>	<NONE>
3072	D16902	Human HepG2 3' region cDNA, clone hmd2h10	2.00E-49	<NONE>	<NONE>	<NONE>
3073	Z26494	S.cerevisiae genes for histone H2A and H2B, trehalase, and hexaprenyl pyrophosphate synthetase	1.1	3581891	(AL031540) hypothetical wtf3 protein	9.70E+00

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3074	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-05	2224921	(AF000606) insect intestinal mucin IIM22 [Trichoplusia ni]	1e-005
3075	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.37	<NONE>	<NONE>	<NONE>
3076	U18157	Human HLA class I genomic survey sequence.	2.00E-05	<NONE>	<NONE>	<NONE>
3077	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4.20E-02	2622750	(AE000921) DNA topoisomerase I [Methanobacterium thermoautotrophicum]	2.5
3078	AF022789	Homo sapiens ubiquitin hydrolyzing enzyme I	0.00E+00	<NONE>	<NONE>	<NONE>
3079	U18055	Lycopersicon esculentum 1-aminocyclopropane-1-carboxylate synthase (LE-ACS3) cDNA, partial cds	1.10E+00	<NONE>	<NONE>	<NONE>
3080	AF022388	Caenorhabditis elegans putative transcription factor MAB-3 (mab-3) gene, complete cds	1.40E-02	3747107	(AF095741) unknown [Rattus norvegicus]	6e-012
3081	AF084594	Plasmodium falciparum erythrocyte membrane protein 1 type w (var) gene, partial cds	1.20E+00	3132802	(AF063223) pol protein [Human immunodeficiency virus type 1]	1.2
3082	D16902	Human HepG2 3' region cDNA, clone hmd2h10	2.00E-49	<NONE>	<NONE>	<NONE>
3083	X65709	A.carrageenovora gene for arylsulfatase	0.014	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3084	AF060246	Mus musculus strain C57BL/6 zinc finger protein 106 (Zfp106) mRNA, H3a-a allele, complete cds	2e-078	3372657	(AF060246) zinc finger protein 106 [Mus musculus]	1e-031
3085	AF037332	Homo sapiens Eph-like receptor tyrosine kinase hEphB1b (EphB1) mRNA, complete cds	3.70E-01	<NONE>	<NONE>	<NONE>
3086	U17579	Human growth hormone-releasing hormone receptor gene, alternatively spliced forms a, b, and c, partial cds	0.053	<NONE>	<NONE>	<NONE>
3087	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.39	2950453	(AL022071) beta-transducin	2.00E-05
3088	U67479	Methanococcus jannaschii section 21 of 150 of the complete genome	0.005	<NONE>	<NONE>	<NONE>
3089	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-010	3283350	(AF062378) calmodulin-binding protein SHA1 [Mus musculus]	3e-006
3090	Z59351	H.sapiens CpG DNA, clone 151a12, reverse read cpg151a12.rtl1a .	3e-020	1079063	deep orange protein - fruit fly (Drosophila melanogaster) >gi 798832 (X86683) deep orange (dor)	9.90E-02

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3091	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	1125753	(U42833) coded for by C. elegans cDNA CEESN37F; Similar to ammonium transport protein. [Caenorhabditis elegans]	1.00E-17
3092	AF021834	Homo sapiens tissue factor pathway inhibitor beta (TFPIbeta) mRNA, complete cds	e-172	125932	TISSUE FACTOR PATHWAY INHIBITOR PRECURSOR (TFPI) (LIPOPROTEIN-ASSOCIATED COAGULATION INHIBITOR) (LACI) (EXTRINSIC PATHWAY INHIBITOR) (EPI) precursor - human >gi180546 (J03225) lipoprotein-associated coagulation inhibitor precursor associated coagulation	9e-032
3093	AJ006778	Homo sapiens mRNA for DRIM protein	0.00E+00	3242214	(AJ006778) DRIM protein [Homo sapiens]	3e-095
3094	AJ006778	Homo sapiens mRNA for DRIM protein	0.00E+00	3242214	(AJ006778) DRIM protein [Homo sapiens]	3e-095
3095	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	6e-005	<NONE>	<NONE>	<NONE>
3096	AJ006778	Homo sapiens mRNA for DRIM protein	0	3242214	(AJ006778) DRIM protein [Homo sapiens]	8.00E-93
3097	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete	2e-005	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		cds				
3098	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3.00E-09	1850115	(Z86089) fadD2 [Mycobacterium tuberculosis]	1.4
3099	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>
3100	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>
3101	U67986	Bacillus megaterium anthranilate synthase (trpD) gene, partial cds, indole glycerol phosphate synthetase N- phosphoribosylan- thranyl- isomerase (trpF) gene partial cds	1.1	2102696	(U72761) karyopherin beta 3 [Homo sapiens]	1.90E+00
3102	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3103	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1.00E-10	135554	TETRACYCLINE RESISTANCE PROTEIN Bacillus cereus plasmid pBC16 >gi 72838 pir YTS OG tetracycline resistance protein - Streptococcus agalactiae plasmid pMV158 >gi 80428 pir JQ1 211 tetracycline resistance protein - Bacillus sp. plasmid pTB19 >gi 151696 (M63	1.4
3104	AJ006778	Homo sapiens mRNA for DRIM protein	0	3242214	(AJ006778) DRIM protein [Homo sapiens]	8.00E-93
3105	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
3106	M60562	Mus musculus Mhc class II A beta polypeptide, partial cds (exons 3 and 4)	1.10E+00	<NONE>	<NONE>	<NONE>
3107	U91985	Human DNA fragmentation factor-45 mRNA, complete cds	e-133	2810997	DNA FRAGMENTATION FACTOR-45 factor-45 [Homo sapiens]	7e-013
3108	Y11455	S.salar microsatellite DNA, CA-repeat (AC)11.5	3.50E-01	3879530	(Z49130) cDNA EST yk486b9.3 comes from this gene; cDNA EST yk486b9.5 comes from this gene	0.0001
3109	Y11455	S.salar microsatellite DNA, CA-repeat (AC)11.5	3.50E-01	3879530	(Z49130) cDNA EST yk486b9.3 comes from this gene; cDNA EST yk486b9.5 comes from this gene	0.0001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3110	AF052135	Homo sapiens clone 23625 mRNA sequence	4e-033	4098124	(U73522) STAM SH3 domain associating molecule [Homo sapiens]	5e-033
3111	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	6e-005	<NONE>	<NONE>	<NONE>
3112	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	1351538	HYPOTHETICAL PROTEIN MG306 Mycoplasma genitalium (SGC3) >gi 3844885 (U39711) conserved hypothetical protein [Mycoplasma genitalium]	1.4
3113	L78777	Homo sapiens (subclone 2_b8 from P1 H49) DNA sequence	1.30E-01	<NONE>	<NONE>	<NONE>
3114	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
3115	U29917	Human AMP deaminase (AMPD3) gene, exon 8 and 9.	3.00E-10	<NONE>	<NONE>	<NONE>
3116	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	<NONE>	<NONE>	<NONE>
3117	AE001038	Archaeoglobus fulgidus section 69 of 172 of the complete genome	0.14	<NONE>	<NONE>	<NONE>
3118	AF042378	Homo sapiens spindle pole body protein spc98 homolog GCP3 mRNA, complete cds	0	2801699	(AF042378) spindle pole body protein spc98 homolog GCP3	4e-080

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3119	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
3120	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	1351538	HYPOTHETICAL PROTEIN MG306 Mycoplasma genitalium (SGC3) >gi 3844885 (U39711) conserved hypothetical protein [Mycoplasma genitalium]	1.4
3121	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7.00E-07	133361	DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (RNA POLYMERASE III SUBUNIT 2) 2.7.7.6) III second-largest chain - fruit fly polymerase III second largest subunit [Drosophila melanogaster]	4.40E+00
3122	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-05	<NONE>	<NONE>	<NONE>
3123	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-05	<NONE>	<NONE>	<NONE>
3124	AJ011981	Homo sapiens mRNA sequence, IMAGE clone 417820	2.00E-69	461950	DPY-19 PROTEIN elegans >gi 156300 (L12018) putative [Caenorhabditis elegans]	2e-026

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3125	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
3126	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.60E+00
3127	M26216	Rat (lambda 20BH0.1) L-type 6-phosphofructo-2-kinase/fructose-2, 6-bisphosphatase	4.10E-02	205752	(M94288) Nopp140 [Rattus norvegicus]	1.1
3128	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5.00E-03	<NONE>	<NONE>	<NONE>
3129	<NONE>	<NONE>	<NONE>	730888	OCTAPEPTIDE-REPEAT PROTEIN T2 >gi 296382	5.2
3130	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5.00E-03	<NONE>	<NONE>	<NONE>
3131	X65446	H.sapiens gene locus DXS278 (S232-RU2) DNA	6e-011	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi 1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	1e-005

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3132	X65446	H.sapiens gene locus DXS278 (S232-RU2) DNA	6e-011	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	1e-005
3133	X72219	C.pasteurianum gap gene	0.015	<NONE>	<NONE>	<NONE>
3134	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
3135	Z26494	S.cerevisiae genes for histone H2A and H2B, trehalase, and hexaprenyl pyrophosphate synthetase	1.1	3581891	(AL031540) hypothetical wtf3 protein	9.70E+00
3136	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.60E+00
3137	AL010234	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-55, complete sequence	0.37	1213606	(X95910) ftsA [Campylobacter jejuni]	4.2
3138	U28153	Caenorhabditis elegans UNC-76 (unc-76) gene, complete cds.	0.39	<NONE>	<NONE>	<NONE>
3139	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8.00E-07	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3140	J05073	Human phosphoglycerate mutase (PGAM-M) gene, complete cds.	1.00E-13	281501	phenylalanine--tRNA ligase (EC 6.1.1.20) beta chain - Thermus aquaticus	7
3141	M90656	Human gamma-glutamylcysteine synthetase (GCS) mRNA, complete cds.	0	1346190	GLUTAMATE--CYSTEINE LIGASE CATALYTIC SUBUNIT (GAMMA-GLUTAMYL-CYS-TEINE SYNTHETASE) glutamate--cysteine ligase (EC 6.3.2.2) heavy chain - human >gi 183039 (M90656) gamma-glutamylcysteine synthetase [Homo sapiens]	2.00E-71
3142	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-006	951325	(U31517) nuclear receptor XR78E/F [Drosophila melanogaster]	9.4
3143	AF053551	Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, complete cds	0.00E+00	3283049	(AF053551) metaxin 2 [Homo sapiens]	1.00E-79
3144	AF088034	Homo sapiens full length insert cDNA clone ZC24F03	e-125	1353059	HYPOTHETICAL 27.4 KD PROTEIN IN MER2-BNA1 INTERGENIC REGION >gi 1077874 pir S57042 hypothetical protein YJR024c - yeast (Saccharomyces cerevisiae)	9e-023

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					>gi1015663 (Z49524) ORF YJR024c gene product [Saccharomyces cerevisiae]	
3145	AF087973	Homo sapiens full length insert cDNA clone YU79H10	1e-033	<NONE>	<NONE>	<NONE>
3146	AF032456	Homo sapiens ubiquitin conjugating enzyme G2	8.00E-07	<NONE>	<NONE>	<NONE>
3147	Y12259	R.norvegicus mRNA for Kir3.1 protein	6e-058	<NONE>	<NONE>	<NONE>
3148	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-07	<NONE>	<NONE>	<NONE>
3149	X97154	D.willistoni mitochondrial 12S rRNA gene	1.20E+00	3875246	(Z81490) similar to WD domain, G- beta repeats (2 domains); cDNA EST EMBL:T00482 comes from this gene; cDNA EST EMBL:T00923 comes from this gene; cDNA EST yk449d4.3 comes from this gene; cDNA EST yk449d4.5 comes from this gen...	7e-016
3150	U17247	Saccharomyces cerevisiae chromosome XII cosmid L2142	1.20E-01	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3151	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	172012	(M12087) thr- tRNA-synthetase [Saccharomyces cerevisiae]	0.21
3152	L78777	Homo sapiens (subclone 2_b8 from P1 H49) DNA sequence	1.30E-01	<NONE>	<NONE>	<NONE>
3153	AF053551	Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, complete cds	0.00E+00	3283049	(AF053551) metaxin 2 [Homo sapiens]	1.00E-79
3154	X53616	C.domesticus calnexin (pp90) mRNA	1.1	<NONE>	<NONE>	<NONE>
3155	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.043	<NONE>	<NONE>	<NONE>
3156	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.002	3327080	(AB014533) KIAA0633 protein [Homo sapiens]	4.2
3157	U60337	Homo sapiens beta-mannosidase mRNA, complete cds	0	3024091	BETA- MANNOSIDASE PRECURSOR beta-mannosidase [Homo sapiens]	4e-068
3158	U32790	Haemophilus influenzae Rd section 105 of 163 of the complete genome	1.1	<NONE>	<NONE>	<NONE>
3159	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.12	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3160	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	1351696	HYPOTHETICAL 30.4 KD PROTEIN C3H1.13 IN CHROMOSOME 1 >gi 1103514 (Z68144) unknown	1.5
3161	U50535	Human BRCA2 region, mRNA sequence CG006	4e-012	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	4.5
3162	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	2132302	hypothetical protein YPR144c - yeast similarity near C-terminus to RNA Polymerase beta subunit (Swiss Prot. accession number P11213) and CCAAT-binding transcription factor (PIR accession number A36368) [Saccharomyces cerevisiae]	4e-022
3163	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3164	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	2123086	HYPOTHETICAL PROTEIN MJ1050 Methanococcus jannaschii >gi 1499895 (U67548) conserved hypothetical protein [Methanococcus jannaschii]	1.3
3165	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.005	<NONE>	<NONE>	<NONE>
3166	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial	0.005	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		cds				
3167	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.005	<NONE>	<NONE>	<NONE>
3168	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	833783	(X14338) NADH:ubiquinone oxidoreductase (428 AA) [Bos taurus]	0.17
3169	M20918	C.thummi piger haemoglobin (Hb) gene DNA, complete cds.	0.12	2496813	HYPOTHETICAL 59.9 KD PROTEIN B0304.5 IN CHROMOSOME II >gi 1041884 (U39472) B0304.5 gene product [Caenorhabditis elegans]	0.12
3170	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	100827	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - heart mitochondrion	4.1
3171	U28153	Caenorhabditis elegans UNC-76 (unc-76) gene, complete cds.	0.38	<NONE>	<NONE>	<NONE>
3172	AJ008065	Chrysolina bankii 16S rRNA gene, mitotype B2	0.045	<NONE>	<NONE>	<NONE>
3173	AB014591	Homo sapiens mRNA for KIAA0691 protein, complete cds	7e-057	3327196	(AB014591) KIAA0691 protein [Homo sapiens]	8e-007
3174	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	3184082	(AL023781) N-terminal acetyltransferase 1 [Schizosaccharom yces pombe]	1e-036

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3175	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	3219914	HYPOTHETICAL 16.8 KD PROTEIN C30D10.04 IN CHROMOSOME II >gi 2276353 gnl PI D e330328 pombe]	2e-011
3176	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.002	133361	DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (RNA POLYMERASE III SUBUNIT 2) 2.7.7.6) III second-largest chain - fruit fly polymerase III second-largest subunit [Drosophila melanogaster]	4.3
3177	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2e-006	2429362	(AF020261) proline rich protein [Santalum album]	0.033
3178	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	3641258	(AF064554) ventral anterior homeobox-containing protein 1 [Mus musculus]	0.68
3179	AB018323	Homo sapiens mRNA for KIAA0780 protein, partial cds	3e-041	3327168	(AB014577) KIAA0677 protein [Homo sapiens]	2e-021
3180	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
3181	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	3283350	(AF062378) calmodulin-binding protein SHA1 [Mus musculus]	5e-006

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3182	Z96207	H.sapiens telomeric DNA sequence, clone 12PTEL049, read 12PTELOO049.s eq	8e-008	<NONE>	<NONE>	<NONE>
3183	AB017026	Mus musculus mRNA for oxysterol-binding protein, complete cds	0	3882265	(AB018315) KIAA0772 protein [Homo sapiens]	2e-091
3184	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	<NONE>	<NONE>	<NONE>
3185	X05283	Drosophila melanogaster PKCG7 gene exons 7-14 for protein kinase C	4.6	<NONE>	<NONE>	<NONE>
3186	AF026069	Homo sapiens phosphomevalonate kinase (HUMPMKI) gene, partial cds	0.42	<NONE>	<NONE>	<NONE>
3187	AF052573	Homo sapiens DNA polymerase eta (POLH) mRNA, complete cds	0	3510695	(AF052573) DNA polymerase eta [Homo sapiens]	4e-011
3188	M80198	Human FKBP-12 pseudogene, clone lambda-512, 5' flank and complete cds.	5e-014	2315521	(AF016452) similar to the beta transducin family	4e-027
3189	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	<NONE>	<NONE>	<NONE>
3190	AJ001296	Notophthalmus viridescens mRNA for cytokeratin 8	0.38	1175412	HYPOTHETICAL 24.2 KD PROTEIN C13A11.03 IN CHROMOSOME 1 >gi 984224 (Z54096) unknown	2e-020

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3191	Z60048	H.sapiens CpG DNA, clone 187a9, reverse read cpg187a9.rt1a .	4e-054	547662	HEPATOCYTE NUCLEAR FACTOR 3-BETA HNF-3 beta - mouse >gi 402191 (X74937) HNF-3beta [Mus musculus]	1e-020
3192	U95760	Drosophila melanogaster strawberry notch (sno) mRNA, complete cds	3e-071	2078282	(U95760) Sno [Drosophila melanogaster]	3e-068
3193	L09604	Homo sapiens differentiation-dependent A4 protein mRNA, complete cds.	2e-035	<NONE>	<NONE>	<NONE>
3194	AF054994	Homo sapiens clone 23832 mRNA sequence	0.12	<NONE>	<NONE>	<NONE>
3195	AF026069	Homo sapiens phosphomevalonate kinase (HUMPMKI) gene, partial cds	0.42	<NONE>	<NONE>	<NONE>
3196	AF026069	Homo sapiens phosphomevalonate kinase (HUMPMKI) gene, partial cds	0.42	<NONE>	<NONE>	<NONE>
3197	AB007918	Homo sapiens mRNA for KIAA0449 protein, partial cds	0.015	138240	GLYCOPROTEIN E PRECURSOR 1 >gi 59566 gn PID e312380 (X14112) virion glycoprotein E [human herpesvirus 1] >gi 59882 (X02138) glycoprotein gE (Us8) [Human herpesvirus 1] >gi 291496 (L00036) gE protein [Human herpesvirus 1]	8.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3198	L07040	pFNeo eukaryotic expression vector, complete sequence.	1e-052	2072972	(U93572) putative p150 [Homo sapiens]	1e-019
3199	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.002	<NONE>	<NONE>	<NONE>
3200	M98502	Mus musculus protein encoding twelve zinc finger proteins (pMLZ-4) mRNA, complete cds.	5e-014	<NONE>	<NONE>	<NONE>
3201	M95098	Bos taurus lysozyme gene (cow 2), complete cds	1.1	3882205	(AB018285) KIAA0742 protein [Homo sapiens]	2e-034
3202	U49169	Dictyostelium discoideum V-ATPase A subunit (vatA) mRNA, complete cds	0.12	2126116	cymH protein - Klebsiella oxytoca >gi 854235	4.2
3203	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	2911548	(Y15173) E2 protein [Human papillomavirus type 75]	0.39
3204	Z57610	H.sapiens CpG DNA, clone 187a10, reverse read cpg187a10.rt1a .	7e-090	417134	HEPATOCYTE NUCLEAR FACTOR 3-BETA [Rattus norvegicus]	5e-019
3205	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	4104093	(AF031642) urea transporter UT4 [Rattus norvegicus]	0.51
3206	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0002	<NONE>	<NONE>	<NONE>
3207	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3208	<NONE>	<NONE>	<NONE>	2252814	(AF006492) FOG [Mus musculus]	3.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3209	AF035940	Homo sapiens MAGOH mRNA, complete cds	e-131	2330011	(AF007862) mm- Mago [Mus musculus] >gi 2909828 (AF035939) similar to mago nashi [Mus musculus] >gi 2909830	4e-044
3210	U49169	Dictyostelium discoideum V- ATPase A subunit (vatA) mRNA, complete cds	0.12	1942101	Porcine Ribonuclease Inhibitor Complexed With Ribonuclease A	1.1
3211	AF054994	Homo sapiens clone 23832 mRNA sequence	0.12	<NONE>	<NONE>	<NONE>
3212	AF068627	Mus musculus DNA cytosine-5 methyltransferase 3B2 (Dnmt3b) mRNA, alternatively spliced, complete cds	0.0005	1869835	(Z86099) protein kinase [human herpesvirus 2]	0.86
3213	X68553	C.elegans repetitive DNA sequence	0.41	854065	(X83413) U88 [Human herpesvirus 6]	7e-007
3214	X68553	C.elegans repetitive DNA sequence	0.41	854065	(X83413) U88 [Human herpesvirus 6]	7e-007
3215	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	6e-005	<NONE>	<NONE>	<NONE>
3216	AF054994	Homo sapiens clone 23832 mRNA sequence	0.12	<NONE>	<NONE>	<NONE>
3217	U95760	Drosophila melanogaster strawberry notch (sno) mRNA, complete cds	3e-071	2078282	(U95760) Sno [Drosophila melanogaster]	3e-068
3218	X96400	P.tetraurelia alpha-51D gene	0.38	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3219	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
3220	AF067212	Caenorhabditis elegans cosmid F37F2	0.005	<NONE>	<NONE>	<NONE>
3221	Y08844	L.esculentum PR1a2 gene	1.1	<NONE>	<NONE>	<NONE>
3222	Y08844	L.esculentum PR1a2 gene	1.1	<NONE>	<NONE>	<NONE>
3223	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6.00E-05	<NONE>	<NONE>	<NONE>
3224	U08214	Rattus sp. DNA binding protein (URE-B1) mRNA, complete cds.	1.1	477513	mesoderm development regulatory protein Sna - mouse >gi 54121 (X67253) sna [Mus musculus]	1.1
3225	L19713	Human dematin (HRD1) mRNA, complete cds.	0.051	<NONE>	<NONE>	<NONE>
3226	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.043	2645389	(U83858) NADH dehydrogenase subunit 4 [Onychomys leucogaster]	7.5
3227	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5.00E-03	2662477	(AF034804) LACK [Leishmania major]	3e-011
3228	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
3229	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.20E+00

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3230	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0005	<NONE>	<NONE>	<NONE>
3231	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0005	<NONE>	<NONE>	<NONE>
3232	AF036685	Caenorhabditis elegans cosmid C05B10	0.38	<NONE>	<NONE>	<NONE>
3233	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3234	AL010153	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-80, complete sequence	6e-005	<NONE>	<NONE>	<NONE>
3235	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	5.00E-04	<NONE>	<NONE>	<NONE>
3236	U28153	Caenorhabditis elegans UNC-76 (unc-76) gene, complete cds.	0.39	<NONE>	<NONE>	<NONE>
3237	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>
3238	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>
3239	X65319	Cloning vector pCAT-Enhancer	5.00E-77	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3240	AG000140	Homo sapiens genomic DNA, 21q region, clone: T171X2	1.60E-01	2494505	HEPATOCYTE NUCLEAR FACTOR 3 FORKHEAD HOMOLOG 4 (HFH-4) >gi 2137385 pir I49734 HNF-3/fork-head homolog-4 - mouse >gi 550488 (L13204) HNF-3/fork-head homolog-4 [Mus musculus]	7.5
3241	L77886	Human protein tyrosine phosphatase mRNA, complete cds	1.00E-21	139560	SATELLITE RNA 48 KD PROTEIN	5.9
3242	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-008	3879988	(Z68318) T21B10.4 [Caenorhabditis elegans]	7.9
3243	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	3184286	(AC004136) hypothetical protein [Arabidopsis thaliana]	7.7
3244	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	5.00E-04	<NONE>	<NONE>	<NONE>
3245	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.005	<NONE>	<NONE>	<NONE>
3246	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.005	<NONE>	<NONE>	<NONE>
3247	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2.00E-05	1050849	(X83742) MAP kinase phosphatase [Xenopus laevis]	4.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3248	AF084186	Rattus norvegicus alpha-fodrin (A2A) mRNA, complete cds	0.39	3123155	HYPOTHETICAL 49.0 KD TRP- ASP REPEATS CONTAINING PROTEIN F55F8.5 IN CHROMOSOME I family [Caenorhabditis elegans]	5.00E-29
3249	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5.00E-04	3293508	(AF069188) NADH dehydrogenase 1 [Ephedrus laevicollis]	0.3
3250	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	3243110	(AF034976) unknown [Pilayella littoralis]	4.6
3251	M77812	Rabbit myosin heavy chain mRNA, complete cds.	0.58	3876408	(Z81069) Similarity to Yeast hypothetical 65.2 KD protein (SW:P36076); cDNA EST yk393e9.3 comes from this gene; cDNA EST yk393e9.5 comes from this gene [Caenorhabditis elegans]	3.1
3252	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
3253	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	1351841	ISOCITRATE LYASE (ISOCITRASE) lyase [Lycopersicon esculentum]	6.00E+00
3254	Z50144	R.norvegicus mRNA for kynurenine/alpha- aminoadipate aminotransferase	2.00E-76	1050752	(Z50144) kynurenine/alpha- aminoadipate aminotransferase	6e-033

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3255	Z50144	R.norvegicus mRNA for kynurenine/alpha-aminoadipate aminotransferase	2.00E-76	1050752	(Z50144) kynurenine/alpha-aminoadipate aminotransferase	6e-033
3256	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.043	109340	pepsin (EC 3.4.23.-) II-2/3 precursor - rabbit	4.5
3257	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-007	3875769	(Z35662) similar to Approximately 25 cadherin-repeats, 3 EGF domains and one Laminin G domain; cDNA EST EMBL:D27303 comes from this gene; cDNA EST EMBL:D27305 comes from this gene; cDNA EST EMBL:D27304 comes from this gene; ... >gi 3876224 gnl PI D134582	4.20E-01
3258	AF041059	Homo sapiens WSCR4 gene, exon 7 and partial cds	5.90E-02	<NONE>	<NONE>	<NONE>
3259	AF054994	Homo sapiens clone 23832 mRNA sequence	0.13	<NONE>	<NONE>	<NONE>
3260	U87266	Arabidopsis thaliana 2,3-oxidosqualene-triterpenoid cyclase mRNA, complete cds	5.60E-01	1175412	HYPOTHETICAL 24.2 KD PROTEIN C13A11.03 IN CHROMOSOME I >gi 984224 (Z54096) unknown	2e-009

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3261	AL010240	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-64, complete sequence	1.3	3882205	(AB018285) KIAA0742 protein [Homo sapiens]	5.00E-10
3262	L20566	Aspergillus niger acid phosphatase complete cds.	3.9	3777583	(AF084481) transmembrane protein [Homo sapiens]	5.00E+00
3263	U12202	Human ribosomal protein S24 (rps24) gene, complete cds	3.80E+00	<NONE>	<NONE>	<NONE>
3264	U70139	Mus musculus putative CCR4 protein mRNA, partial cds	0	2251234	(U70139) putative CCR4 protein [Mus musculus]	6e-093
3265	AF055666	Mus musculus kinesin light chain 2 (Klc2) mRNA, complete cds	0.53	3387889	(AF070532) emb-5 [Homo sapiens]	0.56
3266	AF077618	Homo sapiens p73 gene, exon 3	0.4	127709	MYOBLAST DETERMINATION PROTEIN 1	7.8
3267	AF072250	Homo sapiens methyl-CpG binding protein MBD4	e-161	3805809	(AF072250) methyl-CpG binding protein MBD4 [Homo sapiens]	2.00E-47
3268	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-009	886048	(U25686) E93 [Drosophila melanogaster]	1.8
3269	AG001313	Homo sapiens genomic DNA, 21q region, clone: 125H6N26	0.0005	<NONE>	<NONE>	<NONE>
3270	U25846	Homarus americanus clone LOB5 farnesic acid o-methyltransferase mRNA, complete cds.	1.40E-02	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3271	AF068627	Mus musculus DNA cytosine-5 methyltransferase 3B2 (Dnmt3b) mRNA, alternatively spliced, complete cds	0.0005	1698496	(U53444) LW-amid and MW-amid-containing preprohormone	4.40E+00
3272	U60022	Mus musculus antigen processing-associated transporter TAP1-k mRNA, complete cds	3.50E+00	2498941	SPLICEOSOME ASSOCIATED PROTEIN 62 spliceosome-associated protein SAP 62 - human >gi 409219	0.23
3273	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-005	<NONE>	<NONE>	<NONE>
3274	U24676	Drosophila melanogaster twinstar (tsr) gene, complete cds	1.20E+00	<NONE>	<NONE>	<NONE>
3275	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1.50E-02	<NONE>	<NONE>	<NONE>
3276	AF054994	Homo sapiens clone 23832 mRNA sequence	0.13	<NONE>	<NONE>	<NONE>
3277	AF072250	Homo sapiens methyl-CpG binding protein MBD4	e-161	3800809	(AF072250) methyl-CpG binding protein MBD4 [Homo sapiens]	2.00E-47
3278	AF054994	Homo sapiens clone 23832 mRNA sequence	0.13	<NONE>	<NONE>	<NONE>
3279	AF054994	Homo sapiens clone 23832 mRNA sequence	0.13	<NONE>	<NONE>	<NONE>
3280	AF054994	Homo sapiens clone 23832 mRNA sequence	0.13	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3281	AF054994	Homo sapiens clone 23832 mRNA sequence	0.13	<NONE>	<NONE>	<NONE>
3282	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2e-005	<NONE>	<NONE>	<NONE>
3283	U20281	Gallus gallus clone pNG13 cell division cycle control protein 37 (cdc37) mRNA, complete cds.	0.017	2642625	(AF032118) intersectin [Xenopus laevis]	1.40E+00
3284	X65279	pWE15 cosmid vector DNA	2e-059	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
3285	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	<NONE>	<NONE>	<NONE>
3286	D80005	Human mRNA for KIAA0183 gene, partial cds	0	<NONE>	<NONE>	<NONE>
3287	U27341	Bos taurus endothelin converting enzyme-2 Sequence 1 from patent US 5736376	1e-096	2136744	endothelin converting enzyme-2 - bovine	2e-047
3288	M58417	Drosophila melanogaster laminin B2 gene, complete cds.	0.35	1142698	(U26463) NADPH-dependent aldehyde reductase	6.8
3289	M58417	Drosophila melanogaster laminin B2 gene, complete cds.	0.35	1142698	(U26463) NADPH-dependent aldehyde reductase	6.8
3290	AF020043	Homo sapiens chromosome-associated polypeptide	0	1785540	(U82626) basement membrane-associated chondroitin proteoglycan Bamacan [Rattus norvegicus]	e-112

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3291	U57368	Mus musculus EGF repeat transmembrane protein mRNA, complete cds.	0	1336628	(U57368) EGF repeat transmembrane protein [Mus musculus]	e-101
3292	AB018323	Homo sapiens mRNA for KIAA0780 protein, partial cds	3e-041	3327168	(AB014577) KIAA0677 protein [Homo sapiens]	1e-021
3293	X65279	pWE15 cosmid vector DNA	2e-059	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
3294	X71642	M.musculus GEG-154 mRNA	3e-092	<NONE>	<NONE>	<NONE>
3295	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	3879362	(Z81113) similar to DnaI, prokaryotic heat shock protein, Zinc finger, C2H2 type; cDNA EST yk290e12.5 comes from this gene; cDNA EST yk290e12.3 comes from this gene; cDNA EST yk447n4.5 comes from this gene; cDNA EST yk474e4....	3e-005
3296	AB017026	Mus musculus mRNA for oxysterol-binding protein, complete cds	0	3551523	(AB017026) oxysterol-binding protein	e-103
3297	U43431	Human DNA topoisomerase III mRNA, complete cds.	0	2501242	DNA TOPOISOMERASE III >gi1292912	6e-069
3298	M35296	Human tyrosine kinase arg gene mRNA.	1.1	2135080	epithelial microtubule-associated protein, 115K - human >gi414115 (X73882) microtubule associated protein	1.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					[Homo sapiens]	
3299	D50646	Mouse mRNA for SDF2, complete cds	1e-031	2136205	stromal cell-derived factor 2 - human sapiens]	4e-014
3300	L34732	Homo sapiens T-cell receptor beta (TCRB) mRNA	0.35	3875664	(Z83104) predicted using Genefinder	3e-005
3301	AF030558	Rattus norvegicus phosphatidylinositol 5-phosphate 4-kinase gamma mRNA, complete cds	1e-013	<NONE>	<NONE>	<NONE>
3302	X03100	Human HLA-SB(DP) alpha gene	2e-018	<NONE>	<NONE>	<NONE>
3303	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	2950243	(Z98204) extensin [Hordeum vulgare]	2e-005
3304	Y13631	Clostridium botulinum P-21, P-47 ntth, bonT genes	1	<NONE>	<NONE>	<NONE>
3305	Y13631	Clostridium botulinum P-21, P-47 ntth, bonT genes	1	<NONE>	<NONE>	<NONE>
3306	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-011	1655830	(U59446) myrosinase-binding protein related protein	0.01
3307	X17538	Butyrivibrio fibrisolvens end1 gene for endoglucanase	0.12	1001811	(D64005) hypothetical protein	5.2
3308	D42053	Human mRNA for KIAA0091 gene, complete cds	0	577309	(D42053) KIAA0091 gene product is related to subtilisin. [Homo sapiens]	e-127

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3309	L81800	Homo sapiens (subclone 2_g9 from P1 H31) DNA sequence	2e-006	<NONE>	<NONE>	<NONE>
3310	L81800	Homo sapiens (subclone 2_g9 from P1 H31) DNA sequence	2e-006	<NONE>	<NONE>	<NONE>
3311	K01641	Mouse Ig kappa active V-region from 70Z/3 cells.	3.1	<NONE>	<NONE>	<NONE>
3312	K01641	Mouse Ig kappa active V-region from 70Z/3 cells.	3.1	<NONE>	<NONE>	<NONE>
3313	U09954	Human ribosomal protein L9 gene, 5' region and complete cds.	e-114	2136121	ribosomal protein L9 - human >gi 607793	3e-027
3314	M19735	Homo sapiens beta- hexosaminidase beta chain mRNA, complete cds.	0	179462	(M13519) N- acetyl-beta- glucosaminidase prepro-polypeptide	4e-075
3315	M31760	Human chromosome 9 t(9;22) breakpoint DNA.	2e-016	2981631	(AB012223) ORF2 [Canis familiaris]	0.018
3316	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-013	495696	(U00367) C. elegans PAR-3 cell polarity protein	2.5
3317	U61084	Human phorbolin 3 mRNA, complete cds	0	4097433	(U61084) phorbolin 3 [Homo sapiens]	7e-099
3318	X95161	H.sapiens brca2 gene exon 11 > :: emb A62786 A62 786 Sequence 27 from Patent WO9719110	5e-024	244126	uroporphyrinogen III synthase, UROIIIIS [human, Peptide Mutant, 265 aa]	0.12
3319	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3320	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	2143490	LGL-1 - mouse >gi 1041889 bbs 169033 267 aa] [Mus sp.]	7.2
3321	U76112	Mus musculus translation repressor NAT1 mRNA, complete cds	1e-013	729818	EUKARYOTIC INITIATION FACTOR 4F SUBUNIT P130 (EIF-4F) (MRNA CAP-BINDING PROTEIN COMPLEX SUBUNIT P130) >gi 539297 pir B48086 translation initiation factor eIF-4F TIF4632 - yeast (Saccharomyces cerevisiae) >gi 295677 (L16924) p130 [Saccharomyces cerevisiae	1.9
3322	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.2
3323	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-013	495696	(U00067) C. elegans PAR-3 cell polarity protein	2.5
3324	U43626	Human chromosome 15q11-q13 putative DNA replication origin in the g-aminobutyric acid receptor b3 and a5 gene cluster	2e-018	2197085	(AF003535) ORF2-like protein [Homo sapiens]	0.0002
3325	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-010	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3326	Z48561	E.coli perA, perB, perC and perD genes	0.38	2576325	(Y12239) env [porcine endogenous retrovirus]	7.4
3327	Z48561	E.coli perA, perB, perC and perD genes	0.38	2576325	(Y12239) env [porcine endogenous retrovirus]	7.4
3328	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	2576325	(Y12239) env [porcine endogenous retrovirus]	7.4
3329	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	2576325	(Y12239) env [porcine endogenous retrovirus]	7.4
3330	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1e-010	1362915	protein-tyrosine kinase (EC 2.7.1.112) STK-1 precursor - human	0.5
3331	X65319	Cloning vector pCAT-Enhancer	3e-081	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
3332	AB018304	Homo sapiens mRNA for KIAA0761 protein, partial cds	0	3882243	(AB018304) KIAA0761 protein [Homo sapiens]	8e-098
3333	Y08460	Mus musculus mRNA for Mdes transmembrane protein	1e-085	2225941	(Y08460) Mdes protein [Mus musculus]	8e-071
3334	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.1
3335	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3336	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	2687928	(AE001118) P115 protein [Borrelia burgdorferi]	5.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3337	U94831	Homo sapiens multispanning membrane protein mRNA, complete cds	0	2276460	(U94831) multispanning membrane protein [Homo sapiens]	5e-087
3338	U14972	Human ribosomal protein S10 mRNA, complete cds.	2e-059	133715	40S RIBOSOMAL PROTEIN S10	0.0002
3339	K01254	Human gastrin gene, complete cds.	5e-005	<NONE>	<NONE>	<NONE>
3340	U08469	Glycine max 3-methylcrotonyl-CoA carboxylase mRNA, biotin-carrier domain, partial cds.	3e-051	3876562	(Z81074) Similarity to Soybean 3-methylcrotonyl-CoA carboxylase (TR:Q42777); cDNA EST EMBL:M75819 comes from this gene; cDNA EST EMBL:M89099 comes from this gene; cDNA EST EMBL:D32737 comes from this gene; cDNA EST EMBL:D327...	1e-073
3341	AB011139	Homo sapiens mRNA for KIAA0567 protein, partial cds	0	3043658	(AB011139) KIAA0567 protein [Homo sapiens]	e-123
3342	U07615	Rattus norvegicus mucin mRNA, partial cds.	2e-006	2506877	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2) >gi 454154 (L21998) mucin [Homo sapiens]	0.0007
3343	AF061749	Homo sapiens tumorous imaginal discs protein Tid56 homolog (TID1) mRNA, complete cds	e-154	3372677	(AF061749) tumorous imaginal discs protein Tid56 homolog	4e-060

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3344	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.001	2984587	(AC004472) P1.11659_3 [Homo sapiens]	3e-008
3345	U45998	Onchocerca volvulus MRS3/MRS4 class mitochondrial solute carrier mRNA, complete cds	2e-008	3880433	(Z66521) similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST EMBL:C09217 comes from this gene [Caenorhabditis elegans]	2e-051
3346	U43626	Human chromosome 15q11-q13 putative DNA replication origin in the g-aminobutyric acid receptor b3 and a5 gene cluster	2e-018	2197085	(AF003535) ORF2-like protein [Homo sapiens]	0.0002
3347	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.2
3348	U14972	Human ribosomal protein S10 mRNA, complete cds.	2e-059	133715	40S RIBOSOMAL PROTEIN S10	0.0002
3349	M80198	Human FKBP-12 pseudogene, clone lambda-512, 5' flank and complete cds.	1.00E-10	2315521	(AF016452) similar to the beta transducin family	1e-022
3350	AB011180	Homo sapiens mRNA for KIAA0608 protein, partial cds	5e-077	3043740	(AB011180) KIAA0608 protein [Homo sapiens]	8e-071
3351	U45858	Zea mays glyceraldehyde-3-phosphate dehydrogenase	4.2	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3352	U45858	Zea mays glyceraldehyde-3- phosphate dehydrogenase	4.2	<NONE>	<NONE>	<NONE>
3353	AF035940	Homo sapiens MAGOH mRNA, complete cds	e-141	2330011	(AF007862) mm- Mago [Mus musculus] >gi 2909828 (AF035939) similar to mago nashi [Mus musculus] >gi 2909830	1e-075
3354	AF035940	Homo sapiens MAGOH mRNA, complete cds	e-141	2330011	(AF007862) mm- Mago [Mus musculus] >gi 2909828 (AF035939) similar to mago nashi [Mus musculus] >gi 2909830	1e-075
3355	M24486	Human prolyl 4- hydroxylase alpha subunit mRNA, complete cds, clone PA-11.	e-147	3876769	(Z69637) Similarity to Human Prolyl 4- hydroxylase alpha subunit (SW:P4HA_HUM AN); cDNA EST yk219g12.5 comes from this gene; cDNA EST yk319d8.5 comes from this gene; cDNA EST yk339d11.5 comes from this gene; cDNA EST yk371c9.3...	4e-012
3356	Z50144	R.norvegicus mRNA for kynurenine/alpha- aminoadipate aminotransferase	3.00E-93	1050752	(Z50144) kynurenine/alpha- aminoadipate aminotransferase	2e-043

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3357	M24486	Human prolyl 4-hydroxylase alpha subunit mRNA, complete cds, clone PA-11.	e-147	3876769	(Z69637) Similarity to Human Prolyl 4-hydroxylase alpha subunit (SW:P4HA_HUMAN); cDNA EST yk219g12.5 comes from this gene; cDNA EST yk319d8.5 comes from this gene; cDNA EST yk339d11.5 comes from this gene; cDNA EST yk371c9.3...	4e-012
3358	U83981	Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds	0	3258618	(U83981) apoptosis associated protein [Homo sapiens]	8.00E-24
3359	U30817	Bos taurus very-long-chain acyl-CoA dehydrogenase mRNA, nuclear gene encoding mitochondrial protein, complete cds.	1e-010	2765125	(Y11770) very-long-chain acyl-CoA dehydrogenase [Mus musculus]	4e-013
3360	Z35094	H.sapiens mRNA for SURF-2	5e-097	2498974	SURFEIT LOCUS PROTEIN 2	4e-046
3361	Z35094	H.sapiens mRNA for SURF-2	5e-097	2498974	SURFEIT LOCUS PROTEIN 2	4e-046
3362	Z35094	H.sapiens mRNA for SURF-2	5e-097	2498974	SURFEIT LOCUS PROTEIN 2	4e-046
3363	Z63829	H.sapiens CpG DNA, clone 90h2, forward read cpg90h2.ft1a	5e-022	1050411	(L43146) nuclear factor I-B1 [Xenopus laevis]	5.4
3364	AF052573	Homo sapiens DNA polymerase eta (POLH) mRNA, complete cds	0	3510695	(AF052573) DNA polymerase eta [Homo sapiens]	4e-011

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3365	AF092564	Homo sapiens chromosome-associated protein-C	0	3851586	(AF092564) chromosome-associated protein-C [Homo sapiens]	6e-052
3366	AF031924	Homo sapiens homeobox transcription factor barx2	2.00E-90	<NONE>	<NONE>	<NONE>
3367	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	419712	probable transposase (insertion sequence IS1138) - Mycoplasma pulmonis (SGC3)	2.6
3368	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	419712	probable transposase (insertion sequence IS1138) - Mycoplasma pulmonis (SGC3)	2.6
3369	M24487	Human prolyl 4-hydroxylase alpha subunit mRNA, complete cds, clone PA-15.	e-125	2507090	PROLYL 4-HYDROXYLASE ALPHA SUBUNIT PRECURSOR >gi 66338 pir DA HUA2 procollagen-proline dioxygenase (EC 1.14.11.2) alpha chain precursor, splice form 2 - human >gi 602675 (U14620) alpha-subunit of prolyl 4-hydroxylase [Homo sapiens]	1e-007

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3370	M24487	Human prolyl 4-hydroxylase alpha subunit mRNA, complete cds, clone PA-15.	e-125	2507090	PROLYL 4-HYDROXYLASE ALPHA SUBUNIT PRECURSOR >gi 66338 pir DA HUA2 procollagen-proline dioxygenase (EC 1.14.11.2) alpha chain precursor, splice form 2 - human >gi 602675 (U14620) alpha-subunit of prolyl 4-hydroxylase [Homo sapiens]	1e-007
3371	U45858	Zea mays glyceraldehyde-3-phosphate dehydrogenase	4.2	<NONE>	<NONE>	<NONE>
3372	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	<NONE>	<NONE>	<NONE>
3373	D50930	Human mRNA for KIAA0140 gene, complete cds	2e-046	<NONE>	<NONE>	<NONE>
3374	X06461	Herpes simplex virus type I immediate early (IE) gene 3 for transcriptional activator IE175 (= ICP 4)	3.00E-04	2924449	(AL022022) PE_PGRS [Mycobacterium tuberculosis]	4.00E-05
3375	X06461	Herpes simplex virus type I immediate early (IE) gene 3 for transcriptional activator IE175 (= ICP 4)	3.00E-04	2924449	(AL022022) PE_PGRS [Mycobacterium tuberculosis]	4.00E-05

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3376	X85753	Homo sapiens mRNA for CDK8 protein kinase > :: emb A61243 A61243 Sequence 1 from Patent WO9709432	7e-059	<NONE>	<NONE>	<NONE>
3377	X76192	Mycoplasma sp. munIM, munIC and munIR genes.	1.2	<NONE>	<NONE>	<NONE>
3378	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
3379	M24486	Human prolyl 4-hydroxylase alpha subunit mRNA, complete cds, clone PA-11.	e-147	3876769	(Z69637) Similarity to Human Prolyl 4-hydroxylase alpha subunit (SW:P4HA_HUMAN); cDNA EST yk219g12.5 comes from this gene; cDNA EST yk319d8.5 comes from this gene; cDNA EST yk339d11.5 comes from this gene; cDNA EST yk371c9.3...	4e-012
3380	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	<NONE>	<NONE>	<NONE>
3381	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	2119163	collagen alpha 1(III) chain precursor - mouse	0.005
3382	AB009357	Homo sapiens mRNA for TGF-beta activated kinase 1b, complete cds	0	1167506	(D76446) TAK1 (TGF-beta-activated kinase) [Mus musculus]	2e-033

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3383	D38112	Human mitochondrial DNA, complete sequence	5e-052	14016	(X55654) cytochrome C oxidase II subunit [Homo sapiens]	1e-014
3384	Z96177	H.sapiens telomeric DNA sequence, clone 10QTELO40, read 10QTELOO040.s eq	7e-038	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.035
3385	Z96177	H.sapiens telomeric DNA sequence, clone 10QTELO40, read 10QTELOO040.s eq	7e-038	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.035
3386	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	2384956	(AF022985) No definition line found [Caenorhabditis elegans]	6e-029
3387	AF010484	Homo sapiens ICI YAC 9IA12, right end sequence	3e-010	<NONE>	<NONE>	<NONE>
3388	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	113667	!!!! ALU CLASS B WARNING ENTRY !!!!	0.68
3389	AJ009761	Homo sapiens mRNA for putative dimethyladenosine transferase, partial	0	4050050	(AF102147) putative dimethyladenosine transferase [Homo sapiens]	4.00E-46
3390	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.048	<NONE>	<NONE>	<NONE>
3391	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.048	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3392	AL022579	Homo sapiens DNA sequence from clone 47K8 on chromosome Xp11.21-11.23, complete sequence [Homo sapiens]	1e-070	<NONE>	<NONE>	<NONE>
3393	U37454	Human Down Syndrome region of chromosome 21 genomic sequence, clone A31D6-1H7.	0.12	<NONE>	<NONE>	<NONE>
3394	AF058954	Homo sapiens GTP-specific succinyl-CoA synthetase beta subunit (SCS) mRNA, partial cds	0	3766199	(AF058954) GTP-specific succinyl-CoA synthetase beta subunit [Homo sapiens]	e-122
3395	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	3043582	(AB011101) KIAA0529 protein [Homo sapiens]	2e-012
3396	Z23090	H.sapiens mRNA for 28 kDa heat shock protein.	3e-079	1709972	60S RIBOSOMAL PROTEIN L10A (CSA-19)	2e-025
3397	D14657	Human mRNA for KIAA0101 gene, complete cds	0	3183216	HYPOTHETICAL PROTEIN KIAA0101 sapiens]	2e-026
3398	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	e-121	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi 407339 gnl PI D d1005029 (D17577) Kif1b [Mus musculus]	1e-048
3399	AF091078	Homo sapiens clone 559 unknown mRNA, complete sequence	0	4050050	(AF102147) putative dimethyladenosine transferase [Homo sapiens]	1e-048

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3400	AC000043	Homo sapiens Chromosome 22q13 Cosmid Clone p74a8, complete sequence [Homo sapiens]	7e-006	<NONE>	<NONE>	<NONE>
3401	AC000043	Homo sapiens Chromosome 22q13 Cosmid Clone p74a8, complete sequence [Homo sapiens]	7e-006	<NONE>	<NONE>	<NONE>
3402	AF031924	Homo sapiens homeobox transcription factor barx2	e-156	<NONE>	<NONE>	<NONE>
3403	AF031924	Homo sapiens homeobox transcription factor barx2	e-157	3882305	(AB018335) KIAA0792 protein [Homo sapiens]	4.5
3404	L22473	Human Bax alpha mRNA, complete cds.	0	728945	APOPTOSIS REGULATOR BAX, MEMBRANE ISOFORM ALPHA >gi 539664 pic A4 7538 bcl-2- associated protein bax alpha splice form - human >gi 388166	9e-075
3405	U04709	Human adenine phosphoribosyltra nsferase (APRT) gene, 3' flanking region	e-151	113668	!!!! ALU CLASS C WARNING ENTRY !!!!	0.91
3406	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	3064146	(AF036408) mucin-like protein [Trypanosoma cruzi]	7.6
3407	AF093268	Rattus norvegicus homer-1c mRNA, complete cds	e-171	1913909	(U92079) GLGF- domain protein Homer [Rattus norvegicus]	4e-046

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3408	U47322	Cloning vector DNA, complete sequence.	2.00E-38	987050	(X65335) lacZ gene product [unidentified cloning vector]	3.00E-03
3409	U78109	Mus musculus prepro-neurturin mRNA, complete cds	1.2	2506998	STANNIOCALCIN (STC) (CORPUSCLES OF STANNIUS PROTEIN) (CS) (HYPOCALCIN) (TELEOCALCIN)	1.2
3410	Z96177	H.sapiens telomeric DNA sequence, clone 10QTELO40, read 10QTELOO040.s eq	5e-013	<NONE>	<NONE>	<NONE>
3411	D50930	Human mRNA for KIAA0140 gene, complete cds	0.00E+00	1235974	(X96713) collagen [Globodera pallida]	5.8
3412	D50930	Human mRNA for KIAA0140 gene, complete cds	2e-046	<NONE>	<NONE>	<NONE>
3413	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>
3414	L01777	Yersinia pseudotuberculosis (group IIA) rfb gene cluster	1.20E-01	<NONE>	<NONE>	<NONE>
3415	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	e-130	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi 407339 gnl PI D d1005029 (D17577) Kif1b [Mus musculus]	1e-049
3416	AB014597	Homo sapiens mRNA for KIAA0697 protein, partial cds	2e-067	3327208	(AB014597) KIAA0697 protein [Homo sapiens]	6e-050

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3417	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1.00E-11	<NONE>	<NONE>	<NONE>
3418	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
3419	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
3420	AB014597	Homo sapiens mRNA for KIAA0697 protein, partial cds	2e-067	3327208	(AB014597) KIAA0697 protein [Homo sapiens]	6e-050
3421	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
3422	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8.00E-08	1176456	(S79774) bile salt- dependent lipase, BSDL {EC 3.1.1.- } [human, fetal pancreas, Peptide Partial, 720 aa] [Homo sapiens]	9.4
3423	AF100661	Caenorhabditis elegans cosmid H20E11	0.39	<NONE>	<NONE>	<NONE>
3424	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2.00E-04	<NONE>	<NONE>	<NONE>
3425	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9.00E-10	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3426	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9.00E-10	<NONE>	<NONE>	<NONE>
3427	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-05	3056592	(AC004255) T1F9.13 [Arabidopsis thaliana]	10
3428	U89676	Candida albicans putative membrane protein (CSP37) gene, complete cds	0.12	<NONE>	<NONE>	<NONE>
3429	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
3430	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3431	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-07	<NONE>	<NONE>	<NONE>
3432	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-07	<NONE>	<NONE>	<NONE>
3433	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-07	<NONE>	<NONE>	<NONE>
3434	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4.00E-13	<NONE>	<NONE>	<NONE>
3435	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4.00E-13	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3436	AB014597	Homo sapiens mRNA for KIAA0697 protein, partial cds	2e-067	3327208	(AB014597) KIAA0697 protein [Homo sapiens]	6e-050
3437	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-06	1360669	collagen alpha 1(V) chain precursor - human sapiens]	1.8
3438	U65297	Geomys breviceps cytochrome b (cytb) gene, mitochondrial gene encoding mitochondrial protein, complete cds	3.50E+00	<NONE>	<NONE>	<NONE>
3439	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-06	3914965	TOXIN BMK-X PRECURSOR (BMK10) (BMK M10) (NEUROTOXIN M10) >gi 3138981 (AF062563) neurotoxin M10 precursor [Mesobuthus martensii]	4
3440	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-06	3914965	TOXIN BMK-X PRECURSOR (BMK10) (BMK M10) (NEUROTOXIN M10) >gi 3138981 (AF062563) neurotoxin M10 precursor [Mesobuthus martensii]	4
3441	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-011	3413900	(AB007938) KIAA0469 protein [Homo sapiens]	1.40E-02

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3442	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1.00E-11	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.20E+00
3443	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1.00E-11	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.20E+00
3444	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8.00E-08	1176456	(S79774) bile salt- dependent lipase, BSDL {EC 3.1.1.- } [human, fetal pancreas, Peptide Partial, 720 aa] [Homo sapiens]	9.4
3445	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4.00E-13	<NONE>	<NONE>	<NONE>
3446	U91543	Homo sapiens zinc-finger helicase (hZFH) mRNA, complete cds	1.00E-61	2961557	(AF050199) putative peroxisome microbody protein 175.1	3.70E+00
3447	X75258	H.sapiens DNA from recombination area	1.40E-02	1143020	(U28974) ORF1 [Spiraplasma virus]	9.5
3448	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8.00E-08	<NONE>	<NONE>	<NONE>
3449	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-07	631089	bat2 protein - human	0.055

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3450	AL022321	Homo sapiens DNA sequence from PAC 2008 on chromosome 22q12.1-12.3. Contains exons 13 and 14 of the SLC5A1 (SGLT1) gene for solute carrier family 5 Sodium-Glucose Cot...	1.10E+00	3063453	(AC003981) F22O13.15 [Arabidopsis thaliana]	7.2
3451	AF060798	Homo sapiens myristilated and palmitylated serine-threonine kinase MPSK (MPSK1) mRNA, complete cds	0.00E+00	3372666	(AF060798) myristilated and palmitylated serine-threonine kinase MPSK [Homo sapiens]	2e-067
3452	AF080399	Drosophila melanogaster mitotic checkpoint control protein kinase BUB1 (Bub1) mRNA, complete cds	1.1	3184082	(AL023781) N-terminal acetyltransferase 1 [Schizosaccharom yces pombe]	1e-033
3453	AF041259	Homo sapiens breast cancer putative transcription factor (ZABC1) mRNA, complete cds	0.00E+00	3879065	(Z81576) R10E8.3 [Caenorhabditis elegans]	9.7
3454	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3.70E-01	549359	MINOR CAPSID PROTEIN L2 type 26 >gi 396962 (X74472) late protein [Human papillomavirus type 26]	0.097
3455	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-06	2746890	(AF040655) No definition line found [Caenorhabditis elegans]	9.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3456	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	3874316	(Z81470) predicted using Genefinder	6.8
3457	V01399	Defective Semliki forest virus RNA. Derived by serial undiluted passaging of the virus in baby hamster kidney cells > :: gb L00017 SFVD IB semliki forest virus defective interfering (18s di) rna di309.	0.98	2496616	HYPOTHETICAL 38.5 KD PROTEIN Y4EE	2.1
3458	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4.60E-02	<NONE>	<NONE>	<NONE>
3459	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6.00E-06	<NONE>	<NONE>	<NONE>
3460	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.014	630844	NADH dehydrogenase chain 2 - fruit fly dehydrogenase subunit 2 [Drosophila erecta]	7.5
3461	L49035	Gorilla gorilla ABC-transporter (TAP2) mRNA, complete cds	4.70E-01	2058691	(U94836) ERPROT 213-21 [Homo sapiens]	4.3
3462	U67524	Methanococcus jannaschii section 66 of 150 of the complete genome	4.10E-02	140229	HYPOTHETICAL 82 KD AVIRULENCE PROTEIN IN AVRBS3 REGION >gi 77844 pir JQ0317 hypothetical 82K protein - Xanthomonas	7.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					campestris pv. vesicatoria	
3463	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4.00E-12	<NONE>	<NONE>	<NONE>
3464	U65297	Geomys breviceps cytochrome b (cytb) gene, mitochondrial gene encoding mitochondrial protein, complete cds	3.50E+00	<NONE>	<NONE>	<NONE>
3465	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3466	U36266	Human beta- prime-adaptin (BAM22) gene, exons 18 and 19	1.20E+00	<NONE>	<NONE>	<NONE>
3467	AB018327	Homo sapiens mRNA for KIAA0784 protein, partial cds	0	3882289	(AB018327) KIAA0784 protein [Homo sapiens]	e-103
3468	AB018327	Homo sapiens mRNA for KIAA0784 protein, partial cds	0	3882289	(AB018327) KIAA0784 protein [Homo sapiens]	e-103
3469	U66789	Human laminin alpha 2 chain (LAMA2) gene, exon 57	4.80E-02	3873753	(Z66519) similar to phytoene synthase precursor; cDNA EST yk340f7.3 comes from this gene; cDNA EST yk340f7.5 comes from this gene [Caenorhabditis elegans]	3e-006

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3470	AB018327	Homo sapiens mRNA for KIAA0784 protein, partial cds	9.00E-88	3882289	(AB018327) KIAA0784 protein [Homo sapiens]	9e-022
3471	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0002	<NONE>	<NONE>	<NONE>
3472	U67524	Methanococcus jannaschii section 66 of 150 of the complete genome	4.10E-02	140229	HYPOTHETICAL 82 KD AVIRULENCE PROTEIN IN AVRBS3 REGION >gi 77844 pir JQ0317 hypothetical 82K protein - Xanthomonas campestris pv. vesicatoria	7.3
3473	L13972	Homo sapiens beta-galactoside alpha-2,3-sialyltransferase (SIAT4A) mRNA, complete cds	0.005	<NONE>	<NONE>	<NONE>
3474	L13972	Homo sapiens beta-galactoside alpha-2,3-sialyltransferase (SIAT4A) mRNA, complete cds	0.005	<NONE>	<NONE>	<NONE>
3475	AL031222	Caenorhabditis elegans cosmid 6R55, complete sequence [Caenorhabditis elegans]	1.10E-01	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3476	AF070529	Homo sapiens clone 24525 mRNA sequence	0	3879532	(Z49130) cDNA EST EMBL:D74028 comes from this gene; cDNA EST EMBL:D71354 comes from this gene; cDNA EST EMBL:D76320 comes from this gene; cDNA EST yk486c7.3 comes from this gene; cDNA EST yk486c7.5 comes from this gene; cDNA...	1.50E+00
3477	U02567	Mus musculus BALB/c T-cell antigen 4-1BB gene, complete cds.	1.30E-01	2414601	(Z99295) phosphatidyl synthase	5e-005
3478	AB018327	Homo sapiens mRNA for KIAA0784 protein, partial cds	9.00E-88	3882289	(AB018327) KIAA0784 protein [Homo sapiens]	9e-022
3479	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	2315521	(AF016452) similar to the beta transducin family	2e-006
3480	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
3481	Y09077	H.sapiens mRNA for atr gene > :: gb U76308 HSU76308 Human protein kinase ATR mRNA, complete cds > :: emb A61385 A61385 Sequence 1 from Patent WO9709433	0	1235902	(U49844) FRAP-related protein [Homo sapiens]	3e-051

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3482	Z48633	H.sapiens mRNA for retrotransposon.	e-165	1177607	(X92485) pva1 [Plasmodium vivax]	1.9
3483	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-013	111978	mucin - rat	2.6
3484	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.4
3485	X77335	A.thaliana gene for methyltransferase	0.13	1401051	(U24160) similar to Dvl-1 product encoded by GenBank Accession Number U10115; dishevelled segment polarity protein homolog [Mus musculus]	3.5
3486	AF038660	Homo sapiens chromosome 1p33-p34 beta- 1,4- galactosyltransfer ase mRNA, complete cds	e-144	2995442	(Y12510) UDPGal:GlcNAc b1,4 galactosyltransfera se [Homo sapiens]	9e-005
3487	U65960	Human kinase substrate HASPP28 gene, 5' flanking region and partial cds	1e-021	2120084	reverse transcriptase - mouse >gi 558908	9.7
3488	AF058907	Homo sapiens pleiotrophin (PTN) gene, exons UV3, UV2 and UV1	8e-060	120806	GAG POLYPROTEIN (CONTAINS: CORE PROTEIN P15; INNER COAT PROTEIN P12; CORE SHELL PROTEIN P30) >gi 74562 pir FO VDA gag polyprotein - avian spleen necrosis virus (fragment)	5e-005

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					>gi 61758 (V01200) reading frame (gag?) [Spleen necrosis virus]	
3489	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	3123086	HYPOTHETICAL PROTEIN MJ1050 Methanococcus jannaschii >gi 1499895 (U67548) conserved hypothetical protein [Methanococcus jannaschii]	2.5
3490	AF035940	Homo sapiens MAGOH mRNA, complete cds	5e-096	3879018	(Z81108) similar to MAGO NASHI PROTEIN; cDNA EST yk415g7.3 comes from this gene; cDNA EST yk425g2.3 comes from this gene; cDNA EST yk425g2.5 comes from this gene; cDNA EST yk415g7.5 comes from this gene; cDNA EST yk376g9.3 c...	5e-027
3491	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-013	3201662	(AF042191) paraxial protocadherin; PAPC [Danio rerio]	3.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3492	S80107	membrane-associated diazepam binding inhibitor	e-113	244503	(S80107) membrane-associated diazepam binding inhibitor, MA-DBI [cattle, brain, Peptide, 552 aa] [Bos taurus]	2e-030
3493	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4.00E-12	<NONE>	<NONE>	<NONE>
3494	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-015	728834	!!!! ALU SUBFAMILY SB2 WARNING ENTRY	0.29
3495	U32794	Haemophilus influenzae Rd section 109 of 163 of the complete genome	1.3	2369865	(Y14131) RNA polymerase [grapevine leafroll-associated virus 2]	5.1
3496	AF030558	Rattus norvegicus phosphatidylinositol 5-phosphate 4-kinase gamma mRNA, complete cds	1e-013	<NONE>	<NONE>	<NONE>
3497	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	e-121	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi 407339 gnl PI D d1005029 (D17577) Kif1b [Mus musculus]	1e-048
3498	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-005	3881824	(Z73899) ZK829.5 [Caenorhabditis elegans]	1.5
3499	L35657	Homo sapiens (subclone H8 5_a10 from P1 35 H5 C8) DNA sequence.	2e-018	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3500	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
3501	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
3502	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
3503	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	2661842	(Y15732) DNA polymerase beta [Xenopus laevis]	4e-016
3504	U65960	Human kinase substrate HASPP28 gene, 5' flanking region and partial cds	1e-021	2120084	reverse transcriptase - mouse >gi 558908	9.7
3505	L19031	Rattus norvegicus organic anion transporter	3e-030	1171883	SODIUM- INDEPENDENT ORGANIC ANION TRANSPORTER (ORGANIC ANION TRANSPORTING POLYPEPTIDE) anion - rat >gi 410311 (L19031) oatp [Rattus norvegicus]	2e-025
3506	U60337	Homo sapiens beta-mannosidase mRNA, complete cds	0	3024091	BETA- MANNOSIDASE PRECURSOR beta-mannosidase [Homo sapiens]	2e-085
3507	X92841	H.sapiens MICA gene	1e-055	106322	hypothetical protein (L1H 3' region) - human	1e-009

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3508	U50535	Human BRCA2 region, mRNA sequence CG006	4e-012	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	4.2
3509	AF029984	Lycopersicon esculentum COP1 homolog (COP1) mRNA, complete cds	5e-035	3121867	COP1 REGULATORY PROTEIN sativum]	9e-052
3510	Z59258	H.sapiens CpG DNA, clone 13d2, reverse read cpg13d2.rtlc	2e-046	3219914	HYPOTHETICAL 16.8 KD PROTEIN C30D10.04 IN CHROMOSOME II >gi 2276353 gnl PI D e330328 pombe]	2e-009
3511	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
3512	AF004161	Oryctolagus cuniculus peroxisomal Ca-dependent solute carrier mRNA, complete cds	9e-030	2352427	(AF004161) peroxisomal Ca-dependent solute carrier	1e-025
3513	U15643	Drosophila melanogaster ribosomal protein DL11 mRNA, complete cds	0.13	<NONE>	<NONE>	<NONE>
3514	U15643	Drosophila melanogaster ribosomal protein DL11 mRNA, complete cds	0.13	<NONE>	<NONE>	<NONE>
3515	X87212	H.sapiens mRNA for cathepsin C	e-103	1705632	DIPEPTIDYL-PEPTIDASE I PRECURSOR TRANSFERASE) >gi 2146949 pir S 66504 dipeptidyl-peptidase I (EC 3.4.14.1) precursor - human sapiens]	3e-034

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3516	U28789	Mus musculus p53-associated cellular protein PACT mRNA, partial cds	e-101	<NONE>	<NONE>	<NONE>
3517	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	127112	MAK16 PROTEIN >gi 73269 pir BV BYK6 MAK16 protein - yeast (Saccharomyces cerevisiae) cerevisiae] >gi 595561 (U12980) Mak16p: putative nuclear protein [Saccharomyces cerevisiae]	5e-022
3518	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	<NONE>	<NONE>	<NONE>
3519	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	2650142	(AE001070) A. fulgidus predicted coding region AF0495	0.38
3520	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	2500418	40S RIBOSOMAL PROTEIN S5 >gi 1203905	1.6
3521	AF004161	Oryctolagus cuniculus peroxisomal Ca-dependent solute carrier mRNA, complete cds	9e-030	2352427	(AF004161) peroxisomal Ca-dependent solute carrier	1e-025

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3522	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	121743	GTPASE-ACTIVATING PROTEIN (GAP) (RAS P21 PROTEIN ACTIVATOR) (P120GAP) (RASGAP) human >gi 182972 (M23379) GTPase-activating protein activating protein [Homo sapiens]	2.8
3523	Z46372	R.norvegicus RNA for DNA topoisomerase II.	e-131	3876360	(Z68315) Similarity to Human MAP kinase phosphatase-1 (SW:PTN7_HUMAN) [Caenorhabditis elegans]	3e-011
3524	X85060	B.taurus cosmid-derived microsatellite DNA	1e-051	2072972	(U93572) putative p150 [Homo sapiens]	1e-019
3525	D86407	Homo sapiens DNA for apoER2, complete cds, and exon 19	0	3322933	(AE001238) DNA ligase (lig) [Treponema pallidum]	7.5
3526	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	e-130	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi 407339 gn PI D d1005029 (D17577) Kif1b [Mus musculus]	1e-049
3527	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-007	2414623	(Z99259) putative phosphotransferase	4e-009
3528	U95760	Drosophila melanogaster strawberry notch (sno) mRNA, complete cds	1e-075	2076895	(AF002197) F20H11.2 gene product [Caenorhabditis elegans]	8e-057

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3529	X54326	H.sapiens mRNA for glutaminyl-tRNA synthetase	0	135104	MULTIFUNCTIONAL AMINOACYL-TRNA SYNTHETASE (CONTAINS: GLUTAMYL-TRNA SYNTHETASE glutamyl-prolyl-tRNA synthetase - human >gi 31958	3e-032
3530	Z73360	Human DNA sequence from cosmid 92M18, BRCA2 gene region chromosome 13q12-13.	3e-039	2072955	(U93566) p40 [Homo sapiens]	7.8
3531	Z73360	Human DNA sequence from cosmid 92M18, BRCA2 gene region chromosome 13q12-13.	3e-039	2072955	(U93566) p40 [Homo sapiens]	7.8
3532	Z73360	Human DNA sequence from cosmid 92M18, BRCA2 gene region chromosome 13q12-13.	1e-040	2072955	(U93566) p40 [Homo sapiens]	0.012
3533	Z73360	Human DNA sequence from cosmid 92M18, BRCA2 gene region chromosome 13q12-13.	1e-040	2072955	(U93566) p40 [Homo sapiens]	0.012
3534	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	3808228	(AF039080) RNA dependent RNA polymerase [Sphaeropsis sapinea RNA virus 2]	1.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3535	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
3536	U95760	Drosophila melanogaster strawberry notch (sno) mRNA, complete cds	3e-060	2078282	(U95760) Sno [Drosophila melanogaster]	1e-042
3537	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.13	2832777	(AL021086) 1-evidence=predicted by match; 1-match_accession=AA202870; 1-match_description=LD03215.5prime LD Drosophila melanogaster embryo BlueScript Drosophila melanogaster cDNA clone LD03215 5prime.; 1-match_species=Dr osop...	4e-018
3538	U95760	Drosophila melanogaster strawberry notch (sno) mRNA, complete cds	1e-075	2076895	(AF002197) PCDH12 gene product [Caenorhabditis elegans]	8e-057
3539	Z57610	H.sapiens CpG DNA, clone 187a10, reverse read cpg187a10.r1a.	9e-061	913042	hepatocyte nuclear factor 3 beta, HNF3 beta	2e-014
3540	X83416	H.sapiens PrP gene, exon 2	e-169	1172651	PROTEASE PRTH >gi 440338 (L27483) neutral protease large subunit [Porphyromonas gingivalis]	6.2
3541	AF061016	Homo sapiens UDP-glucose dehydrogenase (UGDH) mRNA, complete cds	0	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3542	X07290	Human HF.12 gene mRNA	7e-080	1127843	(U41164) Cys2/His2 zinc finger protein [Rattus norvegicus]	1e-034
3543	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4.00E-12	<NONE>	<NONE>	<NONE>
3544	U95760	Drosophila melanogaster strawberry notch (sno) mRNA, complete cds	3e-060	2078282	(U95760) Sno [Drosophila melanogaster]	1e-042
3546	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.002	1255409	(U53153) similar to mouse bullous pemphigoid antigen, BPAG2 (PIR:A46053) [Caenorhabditis elegans]	7.3
3547	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	9.9
3548	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
3549	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	84605	glycine-rich protein GRP33 - brine shrimp	4.4
3550	X83212	H.sapiens tryptophan hydroxylase gene, promoter region	5e-013	807677	(M13101) unknown protein [Rattus norvegicus]	0.39
3551	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.005	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3552	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	310622	(L20249) homologous to Saccharopolyspora erythraea beta- ketoacyl synthase [Streptomyces coriofaciens]	0.4
3553	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
3554	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-007	2996640	(AC004500) GDF- 9 [Homo sapiens]	8.2
3555	Z35928	S.cerevisiae chromosome II reading frame ORF YBR059c	0.043	2384728	(AF015883) hydroxyproline- rich glycoprotein gas28p precursor [Chlamydomonas reinhardtii]	0.23
3556	Z30174	M.domesticus (C57Bl/6J) mRNA for zinc finger protein 30	2e-037	543345	zinc finger protein 30 - mouse domesticus]	1e-020
3557	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
3558	M36072	Human ribosomal protein L7a (surf 3) large subunit mRNA, complete cds.	1e-054	133014	60S RIBOSOMAL PROTEIN L7A (PLA-X POLYPEPTIDE) (SURF-3) >gi 71116 pir R5H U7A ribosomal protein L7a - human >gi 71117 pir R5R T7A ribosomal protein L7a - rat >gi 34203 (X52138) L7a protein [Homo sapiens] >gi 35512	0.019

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					(X06705) PLA-X polypeptide [Homo sapiens]	
3559	U84720	Homo sapiens mRNA export protein (RAE1) mRNA, complete cds	2e-037	<NONE>	<NONE>	<NONE>
3560	AE001054	Archaeoglobus fulgidus section 53 of 172 of the complete genome	1.2	<NONE>	<NONE>	<NONE>
3561	U34683	Human glutathione synthetase mRNA, complete cds	3e-052	1346191	GLUTATHIONE SYNTHETASE (GLUTATHIONE SYNTHASE) (GSH SYNTHETASE) (GSH-S) sapiens] >gi 1236350 (U34683) glutathione synthetase	1e-014
3562	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-015	1825695	(U88180) similar to molybdenum cofactor biosynthesis protein E [Caenorhabditis elegans]	4e-012
3563	AE001421	Plasmodium falciparum chromosome 2, section 58 of 73 of the complete sequence	0.005	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3564	D10871	Human h NAT allele 2-2 gene for arylamine N-acetyltransferase	5e-016	3915580	ZINC FINGER PROTEIN 186 finger protein [Homo sapiens]	0.96
3565	M32251	Cat LINE-1 DNA sequence region 1.	2e-026	87765	hypothetical L1 protein (third intron of gene TS) - human >gi 364964 prf 1510254A L1 repetitive element ORF [Homo sapiens]	2e-011
3566	Y12773	H.sapiens TRIDENT/HFH1 1 gene, promoter sequence	3e-008	<NONE>	<NONE>	<NONE>
3567	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	<NONE>	<NONE>	<NONE>
3568	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>
3569	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-009	136821	HYPOTHETICAL PROTEIN UL13 precursor - human cytomegalovirus (strain AD169)	6
3570	AF039210	Homo sapiens caspase-activated nuclease mRNA, complete cds	e-104	3347857	(AF064019) DNA fragmentation factor 40 kDa subunit [Homo sapiens] >gi 3410909 gnl PI D d1033212 (AB013918) CAD	1e-024
3571	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	2132458	probable membrane protein YDL211c - yeast	7.5
3572	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	0.39

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		cds				
3573	U22233	Human methylthioadenosine phosphorylase (MTAP) mRNA, complete cds.	2e-015	2494053	5'-METHYLTHIOADENOSINE PHOSPHORYLASE (MTA PHOSPHORYLASE) (MTAPASE) phosphorylase (EC 2.4.2.28) - human >gi 847724 (U22233) methylthioadenosine phosphorylase [Homo sapiens]	0.02
3574	X76122	A.majus cyclin-1 mRNA.	3.2	2135633	MHC cell surface glycoprotein - human sapiens]	9
3575	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	699508	(U20542) lethal(1)1Bi protein [Drosophila melanogaster]	0.64
3576	D13391	Human CYP19 gene for aromatase cytochrome P-450, promoter region (containing two cis-acting transcriptional regulatory elements)	2e-018	<NONE>	<NONE>	<NONE>
3577	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	532806	(U13875) C26E6.5 gene product [Caenorhabditis elegans]	5e-045
3578	X63735	H.sapiens TRE5 and TRE18 sequence of the tre oncogene	4e-033	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	9e-006
3579	AC004497	Homo sapiens chromosome 21, P1 clone	0.0005	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		LBNL#6				
3580	AB003095	Fruitfly strain SI259 mitochondrial DNA, A+T-rich region, partial sequence	0.12	<NONE>	<NONE>	<NONE>
3581	Z36019	S.cerevisiae chromosome II reading frame ORF YBR150c	3.2	4107113	(AB007462) Pax-2/5/8 [Ephydatia fluviatilis]	5.3
3582	Z56421	H.sapiens CpG DNA, clone 117c7, reverse read cpg117c7.rtl1a.	1e-033	3876101	(Z75536) similar to DnaJ domain; cDNA EST yk398h12.5 comes from this gene; cDNA EST yk250d6.5 comes from this gene [Caenorhabditis elegans]	1e-040
3583	U36499	Human lymphoid-specific SP100 homolog (LYSP100-A) mRNA, complete cds	5e-015	1362890	phosphoprotein 75 - human >gi 402148	1e-008
3584	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	5e-005	<NONE>	<NONE>	<NONE>
3585	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	1045228	(X92429) Synthetase [Streptomyces anulatus]	0.84
3586	D86963	Human mRNA for KIAA0208 gene, complete cds	0.04	<NONE>	<NONE>	<NONE>
3587	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3588	AB012113	Homo sapiens gene for CC chemokine PARC precursor, complete cds	0.0002	1723187	112.3 KD PROTEIN IN PYK1-SNC1 INTERGENIC REGION >gi 2131258 pir S70292 FUN12 protein Fun12p: 97kDa protein, function unknown [Saccharomyces cerevisiae]	4.2
3589	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-007	<NONE>	<NONE>	<NONE>
3590	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.002	<NONE>	<NONE>	<NONE>
3591	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	6e-005	<NONE>	<NONE>	<NONE>
3592	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.8
3593	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-006	<NONE>	<NONE>	<NONE>
3594	M80938	Oryza sativa 16.9 kDa heat shock protein gene, complete cds.	1.5	<NONE>	<NONE>	<NONE>
3595	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-014	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3596	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>
3597	X67813	C.familiaris SRP72 mRNA for signal recognition particle	4e-083	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.2
3598	AB007930	Homo sapiens mRNA for KIAA0461 peroteine, partial cds	3e-038	3413884	(AB007930) KIAA0461 peroteine [Homo sapiens]	3e-016
3599	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-007	3093586	(AF018165) amyloid precursor protein [Tetraodon fluviatilis]	2.7
3600	Z35102	H.sapiens mRNA for Ndr protein kinase > :: emb A52140 A52 140 Sequence 6 from Patent WO9619579	e-126	2135799	Ndr protein kinase - human >gi 854170	9e-086
3601	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
3602	X51544	Synthetic hamster-human hybrid cell (HCH-1) HSAG- 2 gene Alu repeat region.	0.13	1706266	SULFATE ADENYLATE TRANSFERASE SUBUNIT 2 (ATP- SULFURYLASE) >gi 1322409 gnl PI D e243270	5.8
3603	Z98237	H.sapiens DNA for exon trapped sequence	3e-051	3979947	(AL034393) Y18D10A.15 [Caenorhabditis elegans]	6e-005
3604	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	7e-005	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3605	M57465	N.crassa phytoene dehydrogenase (al-1) gene, complete cds.	0.29	<NONE>	<NONE>	<NONE>
3606	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
3607	S71335	Aox1=alternative oxidase {alternative pathway} suspension cells, mRNA, 1408 nt]	1.1	<NONE>	<NONE>	<NONE>
3608	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.005	2621440	(AE000823) O- antigen transporter related protein	5.7
3609	U36199	Caenorhabditis elegans Cef-2 (mef-2) gene, complete cds.	1.1	259519	(S48091) NSM [tomato spotted wilt virus TSWV, Peptide, 302 aa] [Tomato spotted wilt virus]	4.1
3610	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.35	3399767	(U76298) ucylacyanin I [Arabidopsis thaliana] >gi 3831466	0.35
3611	AF000590	Homo sapiens chromosome 21q11-q21 genomic clone SA-292	7e-026	<NONE>	<NONE>	<NONE>
3612	U64195	HIV-1 isolate ZP36 from Australia, reverse transcriptase (pol) gene, partial cds.	1.2	<NONE>	<NONE>	<NONE>
3613	AB015331	Homo sapiens HRIHFB2017 mRNA, partial cds	1e-094	3970852	(AB015331) HRIHFB2017 [Homo sapiens]	0.0001
3614	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3615	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	1743885	(U79716) Human Reelin [Homo sapiens]	9.5
3616	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-006	<NONE>	<NONE>	<NONE>
3617	<NONE>	<NONE>	<NONE>	2338034	(AF005370) putative immediate early protein [Alcelaphine herpesvirus 1]	2e-008
3618	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.006	2707286	(AF036316) cyclin [Procentrum minimum]	1.2
3619	X79810	R.norvegicus CYP2C13 gene	0.049	2916892	(AL022004) PE_PGRS [Mycobacterium tuberculosis]	1
3620	AJ224516	Gallus gallus IL-2 gene	1.4	<NONE>	<NONE>	<NONE>
3621	Z79044	H.sapiens flow-sorted chromosome 6 HindIII fragment, SC6pA21C9	0.42	<NONE>	<NONE>	<NONE>
3622	U39357	Ovis aries beta actin mRNA, complete cds	2e-024	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.3
3623	U39357	Ovis aries beta actin mRNA, complete cds	1e-043	940346	(U20963) ORF1; late mRNA [Suid herpesvirus 1]	5.6
3624	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	3e-008	2702361	(AF036706) No definition line found [Caenorhabditis elegans]	0.22
3625	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.041	244874	Glv-1 product [mice, Peptide, 681 aa]	1.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3626	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
3627	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.002	1730141	FRAGILE X MENTAL RETARDATION SYNDROME RELATED PROTEIN 2 >gi 2135129 pir S 60173 fragile X mental retardation syndrome related protein - human >gi 1098637 (U31501) fragile X mental retardation syndrome related protein [Homo sapiens]	9.4
3628	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-008	<NONE>	<NONE>	<NONE>
3629	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
3630	D87671	Rat mRNA for TIP120, complete cds	0	1799570	(D87671) TIP120 [Rattus norvegicus]	e-112
3631	D87671	Rat mRNA for TIP120, complete cds	0	1799570	(D87671) TIP120 [Rattus norvegicus]	e-110
3632	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3633	D88349	Chicken mRNA for tyrosinase, complete cds	0.12	2144081	luteinizing hormone/chorionic gonadotropin receptor - rat >gi 252167 bbs 109910 (S40803) luteinizing hormone/chorionic gonadotropin receptor, LH/CG receptor {alternatively spliced, clone rLHR1834}	9.3
3634	X17206	Human mRNA for LLRep3	3e-025	2920827	(U92697) ribosomal protein S2 [Rattus norvegicus]	0.0003
3635	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.3
3636	X69878	H.sapiens Flt4 mRNA for transmembrane tyrosine kinase	2e-088	<NONE>	<NONE>	<NONE>
3637	X69878	H.sapiens Flt4 mRNA for transmembrane tyrosine kinase	2e-088	<NONE>	<NONE>	<NONE>
3638	X15509	Human gene for thymidine kinase, 5' region (EC 2.7.1.21)	4e-011	<NONE>	<NONE>	<NONE>
3639	U89744	Rattus norvegicus putative cell surface antigen mRNA, complete cds	0.39	1085432	mucin (clone PGM-2A) - pig	0.0006
3640	L29252	Human (clone D13-2) L-iditol-2 dehydrogenase gene, exon 4, exon 5, exon 6 and exon 7.	3e-006	83981	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - Sauroleishmania tarentolae mitochondrion	2.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3641	Z35286	H.sapiens MDR3 gene, exon1, exon2	0.016	<NONE>	<NONE>	<NONE>
3642	M11373	Simian T-cell leukemia virus, pol-env-pX-3' LTR region.	0.39	2773324	(AF040381) carbonic anhydrase [Erwinia carotovora]	5.9
3643	M11373	Simian T-cell leukemia virus, pol-env-pX-3' LTR region.	0.39	2773324	(AF040381) carbonic anhydrase [Erwinia carotovora]	5.9
3644	Z11763	O.granulifera gene for alpha-tubulin	0.39	2138321	(U89012) dentin matrix acidic phosphoprotein 1 [Homo sapiens]	2.6
3645	<NONE>	<NONE>	<NONE>	1352944	HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR YJR151c - yeast (Saccharomyces cerevisiae) >gil1015903	3.9
3646	U18551	Drosophila melanogaster insulin receptor gene, complete cds	0.005	1468983	(U04555) protein tyrosine kinase [Dictyostelium discoideum]	48-012
3647	M28458	Human growth hormone receptor gene, exon 2.	1.2	2648877	(AE000987) A. fulgidus predicted coding region AF1681	8.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3648	AF069139	HIV-1 isolate DH12 clone 5 from the USA, vpr protein (vpr) gene, partial cds; tat protein (tat) and rev protein (rev) genes, complete cds; vpu pseudogene, complete sequence; envelope glycoprotein (env) and nef protein (n...	0.13	<NONE>	<NONE>	<NONE>
3649	U42627	Rattus norvegicus tyrosine phosphatase mRNA, complete cds.	0.41	1070602	collagen alpha 1(II) chain precursor - human	0.55
3650	Y12851	Homo sapiens P2X7 gene, exon 1 and joined CDS	0.005	<NONE>	<NONE>	<NONE>
3651	U39706	Mycoplasma genitalium section 28 of 51 of the complete genome	0.39	465542	HYPOTHETICAL 20.0 KD PROTEIN IN TRNP 5'REGION (ORF160) >gi 625956 pir S3 8599 hypothetical protein 160 (rpl20 5' region) - euglenid (Astasia longa) plastid	2
3652	Z80361	H.sapiens HLA-DRB pseudogene, repeat region;	2e-048	<NONE>	<NONE>	<NONE>
3653	U12171	Oryza sativa IR54 anther specific (RTS2) gene, complete cds.	3.5	<NONE>	<NONE>	<NONE>
3654	AG001163	Homo sapiens genomic DNA, 21q region, clone: Q94A10X26	5e-014	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.004
3655	X04780	Human tRNA-Tyr-pseudogene (clone pHt2)	4.6	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3656	AF086264	Homo sapiens full length insert cDNA clone ZD43A10	0.002	<NONE>	<NONE>	<NONE>
3657	AB011118	Homo sapiens mRNA for KIAA0546 protein, partial cds	0.002	1588661	tryptase [Bos taurus]	1.3
3658	Z46379	Homo sapiens mRNA for anti-Sm antibody VH chain	0.13	<NONE>	<NONE>	<NONE>
3659	Y12930	H.rustica CHD-W gene, intron	0.39	3861232	(AJ235272) PROBABLE TRANSPORT ATP-BINDING PROTEIN MSBA (msbA2) [Rickettsia prowazekii]	1.2
3660	AF093267	Rattus norvegicus homer-1b mRNA, complete cds	0.005	<NONE>	<NONE>	<NONE>
3661	M34057	Human transforming growth factor-beta 1 binding protein mRNA, complete cds.	0.043	<NONE>	<NONE>	<NONE>
3662	X75418	H.sapiens TCR V Beta 13.2 gene (allele a).	0.4	<NONE>	<NONE>	<NONE>
3663	Z68758	Human DNA sequence from cosmid cN85E10 on chromosome 22q11.2-qter	2e-025	3399771	(AF041839) Smad6 [Xenopus laevis]	0.39
3664	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	2078282	(U95760) Sno [Drosophila melanogaster]	0.0006
3665	Z75032	S.cerevisiae chromosome XV reading frame ORF YOR124c	0.14	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3666	U28831	Human protein immuno-reactive with anti-PTH polyclonal antibodies mRNA, partial cds. > :: gb I40055 I40055 Sequence 1 from patent US 5618695	0	896065	(U28831) protein that is immuno-reactive with anti-PTH polyclonal antibodies [Homo sapiens]	e-100
3667	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.04	<NONE>	<NONE>	<NONE>
3668	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3669	Z96359	H.sapiens telomeric DNA sequence, clone 17QTELO13, read 17QTELOO013.s eq	7e-006	2921609	(AF039037) 980219 -this used to be part of R02C2.4 but was split into two genes based on protein similarities	7.7
3670	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-008	3342730	(AC005331) R31341_1 [Homo sapiens]	2e-019
3671	U22460	Ictalurus punctatus heat shock protein 70 (CF Hsp70) mRNA, complete cds.	1.2	2143951	Ras-related protein - rat >gi 498257	5e-009
3672	Y12259	R.norvegicus mRNA for Kir3.1 protein	0.005	135213	TYPE IIS RESTRICTION ENZYME ECO57I METHYLTRANSFERASE ACTIVITY >gi 281976 pir S26426 type II site-specific deoxyribonuclease (EC 3.1.21.4) Eco57I endonuclease	9.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					[Escherichia coli]	
3673	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-008	3006154	(AL022299) putative cytochrome c1, heme protein precursor [Schizosaccharom yces pombe]	4.5
3674	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	3915503	HYPOTHETICAL OXIDOREDUCT ASE IN CHEV- MOBA INTERGENIC REGION >gi 2632227 gnl PI D e1181911 1- dehydrogenase [Bacillus subtilis]	2e-021
3675	U71363	Human zinc finger protein zfp6 (ZF6) mRNA, partial cds	3e-070	2689441	(Z1C005682) F18547_1 [Homo sapiens]	4e-020
3676	AF042275	Oryza sativa anther-specific protein gene, complete cds	0.39	<NONE>	<NONE>	<NONE>
3677	M34601	P.berghei telomeric repeat region subfragment alpha DNA.	0.13	<NONE>	<NONE>	<NONE>
3678	U09368	Human zinc finger protein ZNF140	6e-047	3445181	(AC005498) R31665_2 [Homo sapiens]	4e-027
3679	D90345	Rat t complex polypeptide 1 (Tcp-1) mRNA	0.13	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3680	AE000758	Aquifex aeolicus section 90 of 109 of the complete genome	0.38	134134	RYANODINE RECEPTOR, SKELETAL MUSCLE muscle - rabbit >gi 1710 (X15750) ryanodine receptor (AA 1-5037) [Oryctolagus cuniculus] >gi 1714 (X15209) ryanodine receptor [Oryctolagus cuniculus]	9.8
3681	X60280	Vector plasmid pLTRpoly DNA	3e-040	2981631	(AB012223) ORF2 [Canis familiaris]	0.87
3682	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.8
3683	L81683	Homo sapiens (subclone 1_d11 from P1 H54) DNA sequence	3e-019	113668	!!!! ALU CLASS C WARNING ENTRY !!!!	2
3684	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	9.7
3685	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.8
3686	X78261	H.sapiens mRNA for TRE17 5' extremity and unnamed adjacent to TRE17, locus tre-1.	3e-010	728836	!!!! ALU SUBFAMILY SP WARNING ENTRY	4.4
3687	AF093204	Gallus gallus clone Ocya1 unknown mRNA	1e-011	3694883	(AF093204) unknown [Gallus gallus]	0.097
3688	L35664	Homo sapiens (subclone H8 8_f5 from P1 35 H5 C8) DNA	3e-031	2072966	(U93570) p40 [Homo sapiens]	8e-006

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		sequence.				
3689	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3690	L10111	Octopus dofleini beta-tubulin mRNA, complete cds.	0.14	<NONE>	<NONE>	<NONE>
3691	S83333	CYP27=sterol 27- hydroxylase/cere brotendinous xanthomatosis candidate gene {3' region, intron 6 to intron 8} [human, Genomic, 1725 nt, segment 4 of 4]	3.5	<NONE>	<NONE>	<NONE>
3692	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.9
3693	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	220578	(D00570) open reading frame (251 AA)	1.1
3694	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	416563	INTESTINAL MEMBRANE A4 PROTEIN A4 differentiation- dependent protein [Homo sapiens]	0.021
3695	AB018374	Mus musculus GARP34 mRNA, complete cds	4e-074	3724364	(AB018374) GARP34 [Mus musculus]	2e-017
3696	AB018374	Mus musculus GARP34 mRNA, complete cds	4e-074	3724364	(AB018374) GARP34 [Mus musculus]	2e-017
3697	AB013721	Oryctolagus cuniculus mRNA for mitsugumin 23, complete cds	4e-038	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3698	U33147	Human mammaglobin mRNA, complete cds > :: gb 165735 165735 Sequence 1 from patent US 5668267	1.1	1946371	(U93215) regulatory protein Viviparous-1 isolog	2.5
3699	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0006	2132981	probable membrane protein YPL105c - yeast	5.1
3700	U08802	HIV-1 sample 026 clone 06 from Thailand partial cds.	0.47	3880139	(Z68121) Similarity to Yeast nitrogen regulatory protein GLN3 (PIR Acc. No. S22280)	7.3
3701	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-011	<NONE>	<NONE>	<NONE>
3702	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
3703	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	<NONE>	<NONE>	<NONE>
3704	Z56740	H.sapiens CpG DNA, clone 13b5, reverse read cpg13b5.rtlc	4e-043	2465332	(U92819) unnamed HERV- H protein [Homo sapiens]	0.007
3705	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-008	<NONE>	<NONE>	<NONE>
3706	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	1293790	(U56248) Similar to polyketide synthase. [Caenorhabditis briggsae]	2.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3707	AF023283	Chikungunya virus S27 3'UTR	0.39	3560261	(AL031535) RNA binding protein	4.5
3708	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
3709	AF030944	Brugia malayi microfilarial sheath protein SHP3a	0.12	<NONE>	<NONE>	<NONE>
3710	AE000700	Aquifex aeolicus section 32 of 109 of the complete genome	0.15	<NONE>	<NONE>	<NONE>
3711	AJ001050	Homo sapiens mRNA for thioredoxin reductase	4e-042	1843434	(D88687) KM-102-derived reductase-like factor [Homo sapiens]	3e-038
3712	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.002	625090	(U19464) outer arm dynein beta heavy chain [Paramecium tetraurelia] >gi1588498 prf 2208428A dynein:SUBUNIT=heavy chain [Paramecium tetraurelia]	2.7
3713	AG001414	Homo sapiens genomic DNA, 21q region, clone: 9H11X4	0.46	<NONE>	<NONE>	<NONE>
3714	AB007930	Homo sapiens mRNA for KIAA0461 peroteine, partial cds	0	3413884	(AB007930) KIAA0461 peroteine [Homo sapiens]	2e-068
3715	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-007	<NONE>	<NONE>	<NONE>
3716	Y09999	H.sapiens CHOP gene, intron 1	2e-007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3717	AF023461	Homo sapiens FRA3B region sequence	0.13	2501500	ECDYSTEROID UDP- GLUCOSYLTRA NSFERASE PRECURSOR >gi 1563727 gnl PI D e267373 (Y08294) ecdysteroid UDP- glucosyltransferas e [Lacanobia oleracea granulovirus]	5.6
3718	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	2330794	(Z98601) hypothetical protein	0.004
3719	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	1363246	TIF1 protein - mouse >gi 998815 bbs 16 7126	5e-007
3720	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	1314732	(U54640) 185 kDa silk protein [Chironomus pallidivittatus]	0.17
3721	U09933	Human urokinase-type plasminogen receptor, exon 3	3e-025	3523099	(AF016271) Ksp- cadherin [Mus musculus]	7.6
3722	M30187	S.cerevisiae mitochondrion Tyr-tRNA gene.	0.13	218437	(D90352) myo- inositol transporter	7.3
3723	X79703	O.aries gene for beta-casein	0.043	141103	HYPOTHETICAL PROTEIN ORF- 1137 mouse	4.5
3724	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-009	2132008	hypothetical protein YOL072w - yeast	9.9
3725	L39210	Homo sapiens inosine monophosphate dehydrogenase type II gene, complete cds	2e-078	2224711	(AB002383) KIAA0385 [Homo sapiens]	2e-018

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3726	U52832	Homo sapiens Cri-du-chat region mRNA, clone CSC3	2e-005	<NONE>	<NONE>	<NONE>
3727	AF015043	Homo sapiens EH-binding protein mRNA, partial cds	e-169	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.4
3728	D28485	Human MSMB gene for beta- microseminoprote in (MSP), promoter region and exon1	4e-011	<NONE>	<NONE>	<NONE>
3729	M33027	Human vasoactive intestinal peptide/PHM-27 gene, exons 1-6.	0.043	<NONE>	<NONE>	<NONE>
3730	X15377	Human gene for the light and heavy chains of myeloperoxidase	2e-024	1346141	GLYCEROL KINASE (ATP:GLYCERO L 3- PHOSPHOTRAN SFERASE) (GLYCEROKINA SE) (GK) Mycoplasma genitalium (SGCS) >gi 3844648 (U39683) glycerol kinase (glpK) [Mycoplasma genitalium]	3e-011
3731	X57103	Human h-lys gene for lysozyme (upstream region)	0.0005	<NONE>	<NONE>	<NONE>
3732	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	3319482	(AF077546) No definition line found [Caenorhabditis elegans]	9.8
3733	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3734	U83857	Human Aac11 (aac11) mRNA, complete cds	2e-027	2623755	(U35846) unknown [Mus musculus]	3e-005
3735	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.5
3736	U09367	Human zinc finger protein ZNF136	1e-065	1731412	ZINC FINGER PROTEIN 136 human >gi 487785 (U09367) zinc finger protein ZNF136	7e-060
3737	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	2507475	PAIRED AMPHIPATHIC HELIX PROTEIN	5.8
3738	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	3702452	(X80031) type IV collagen alpha 3 chain	1.5
3739	AF086022	Homo sapiens full length insert cDNA clone YW23E02	3.5	<NONE>	<NONE>	<NONE>
3740	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	2960225	(AL022120) PPE [Mycobacterium tuberculosis]	7.4
3741	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
3742	AJ005866	Homo sapiens mRNA for putative Sqv-7-like protein, partial	e-177	4008517	(AJ005866) Sqv-7-like protein [Homo sapiens]	9e-045

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3743	AF043231	<i>Emmericella nidulans</i> cAMP-dependent protein kinase regulatory subunit (pkaR) gene, complete cds	1.1	<NONE>	<NONE>	<NONE>
3744	AB002319	Human mRNA for KIAA0321 gene, partial cds	5e-066	2224583	(AB002319) KIAA0321 [Homo sapiens]	2e-024
3745	M33132	Human proliferating cell nucleolar protein P120 gene, exons 1-15.	8e-018	113668	!!!! ALU CLASS C WARNING ENTRY !!!!	0.077
3746	U95102	<i>Xenopus laevis</i> mitotic phosphoprotein 90 mRNA, complete cds	9e-009	2394463	(AF024498) No definition line found [Caenorhabditis elegans]	1.2
3747	Z69944	<i>S.pombe</i> chromosome I cosmid c1F12.	4.4	<NONE>	<NONE>	<NONE>
3748	Z81014	Human DNA sequence from cosmid U65A4, between markers DXS366 and DXS87 on chromosome X *	4e-022	896065	(U28831) protein that is immuno-reactive with anti-PTH polyclonal antibodies [Homo sapiens]	0.075
3749	U95102	<i>Xenopus laevis</i> mitotic phosphoprotein 90 mRNA, complete cds	0.0002	3877203	(Z70780) similar to initiation factor IF-2; cDNA EST CEMSD25F comes from this gene	4.4
3750	U95094	<i>Xenopus laevis</i> XL-INCENP (XL-INCENP) mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
3751	U95102	<i>Xenopus laevis</i> mitotic phosphoprotein 90 mRNA, complete cds	3e-008	2065210	(Y12713) Pro-Pol-dUTPase polypeptide	2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3752	M36072	Human ribosomal protein L7a (surf 3) large subunit mRNA, complete cds.	1e-054	133014	60S RIBOSOMAL PROTEIN L7A (PLA-X POLYPEPTIDE) (SURF-3) >gi 71116 pir R5H U7A ribosomal protein L7a - human >gi 71117 pir R5R T7A ribosomal protein L7a - rat >gi 34203 (X52138) L7a protein [Homo sapiens] >gi 35512 (X06705) PLA-X polypeptide [Homo sapiens]	0.019
3753	AB001615	Homo sapiens DNA for cGMP-binding cGMP-specific phosphodiesterase (PDE5), exon 1	6e-006	<NONE>	<NONE>	<NONE>
3754	X57103	Human h-lys gene for lysogenic (upstream region)	5e-015	113670	!!!! ALU CLASS E WARNING ENTRY !!!!	3.3
3755	L09708	Homo sapiens complement component 2 (C2) gene allele b, exons 10 through 18 and complete cds	6e-005	1143705	(X89760) Hox2a gene product [Zea mays]	9.7
3756	X73685	C.aethiops hsp70 mRNA	2e-088	1322309	(U55176) heat shock cognate 70.II [Xenopus laevis]	2e-025
3757	Z57594	H.sapiens CpG DNA, clone 186c5, reverse read cpg186c5.rt1b .	0.002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3758	AF095927	Rattus norvegicus protein phosphatase 2C mRNA, complete cds	e-117	3777604	(AF095927) protein phosphatase 2C [Rattus norvegicus]	4e-040
3759	U30788	Rattus norvegicus Tclone4 mRNA	5e-024	135576	LARGE TEGUMENT PROTEIN (VIRION PROTEIN UL36) >gi 73851 pir WM BEH6 UL36 protein - human herpesvirus 1 (strain 17) >gi 59536 gnl PID e312351 1]	1.6
3760	Z96177	H.sapiens telomeric DNA sequence, clone 10QTELO40, read 10QTELOO040.s eq	3e-009	1082626	myosin heavy chain VA - human (fragment)	5.8
3761	M37463	E.gracilis chloroplast ribosomal protein genes rpl23, rpl2, rps19, rpl22, and rps3, complete cds.	0.38	2734883	(U75311) pyruvate decarboxylase 2 [Pichia stipitis]	3.4
3762	AF086241	Homo sapiens full length insert cDNA clone ZD29F04	4e-064	3702137	(AL031393) dJ733D15.1 (Zinc-finger protein) [Homo sapiens]	1e-040
3763	AF086241	Homo sapiens full length insert cDNA clone ZD29F04	4e-064	3702137	(AL031393) dJ733D15.1 (Zinc-finger protein) [Homo sapiens]	1e-040
3764	AF008227	Drosophila melanogaster odd Oz product (odz) gene, exons 3, 4, 5, 6, 7, and complete cds	3.6	2661842	(Y15732) DNA polymerase beta [Xenopus laevis]	2e-020
3765	AF039688	Homo sapiens antigen NY-CO-3 (NY-CO-3) mRNA, partial cds	0	3170176	(AF039688) antigen NY-CO-3 [Homo sapiens]	2e-073

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3766	AF037332	Homo sapiens Eph-like receptor tyrosine kinase hEphB1b (EphB1) mRNA, complete cds	0.37	1255919	(X96511) MAFB protein [Coturnix japonica]	5.6
3767	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
3768	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.005	<NONE>	<NONE>	<NONE>
3769	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	<NONE>	<NONE>	<NONE>
3770	X57103	Human h-lys gene for lysozyme (upstream region)	5e-015	113670	!!!! ALU CLASS E WARNING ENTRY !!!!	3.3
3771	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	2947096	(U81032) TniQ [Pseudomonas stutzeri]	0.86
3772	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	2947096	(U81032) TniQ [Pseudomonas stutzeri]	0.86
3773	M84326	Human ADP-ribosylation factor 1 mRNA, complete cds	0	283748	collagen alpha 2(I) chain homolog - sea urchin (Strongylocentrotus purpuratus) >gi161436 purpuratus]	0.14
3774	X82575	G.gallus mRNA for Cnot	0.39	3327136	(AB014561) KIAA0661 protein [Homo sapiens]	3e-033

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3775	L43001	Bos taurus guanylyl cyclase- activating protein 2	3e-072	1730238	GUANYLATE CYCLASE ACTIVATING PROTEIN 2 (GCAP 2) (RETINAL GUANYLYL CYCLASE ACTIVATOR PROTEIN P24) >gi 2136762 pir A 57604 guanylate cyclase-activating protein 2 - bovine >gi 1002750 cyclase-activating protein 2 [Bos taurus]	1e-030
3776	U47322	Cloning vector DNA, complete sequence.	7e-007	3335349	(AC004512) Similar to gb U46691 putative chromatin structure regulator (SUPT6H) from Homo sapiens. ESTs gb T42908, gb AA586170 and gb AA395125 come from this gene. [Arabidopsis thaliana]	9.2
3777	L09647	Rattus norvegicus hepatocyte nuclear factor 3a	2e-069	404764	(L10409) fork head related protein [Mus musculus]	3e-031
3778	U72756	Lycianthes heteroclita NADH dehydrogenase subunit protein, partial cds	0.37	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3779	M94314	Homo sapiens ribosomal protein L30 mRNA, complete cds	1e-073	3876073	(Z81505) similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D28025 comes from this gene; cDNA EST EMBL:D28024 comes from this gene; cDNA EST EMBL:D33210 comes from this gene; cDNA EST EMBL:D33441 comes from this...	1.4
3780	AF053315	Reporter vector pNFkB-Luc, complete sequence	9e-019	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.3
3781	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.5
3782	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-013	1695957	(U78693) NADH dehydrogenase [Holmskioldia sanguinea]	1.9
3783	AF074990	Homo sapiens full length insert cDNA YH85A11	0.005	1881709	(U89517) polyprotein [Dengue virus type 2]	9.6
3784	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	<NONE>	<NONE>	<NONE>
3785	AF020038	Homo sapiens NADP-dependent isocitrate dehydrogenase (IDH) mRNA, complete cds	4e-011	3647352	(Z97348) MAL3P1.11 [Plasmodium falciparum]	9.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3786	Z75199	S.cerevisiae chromosome XV reading frame ORF YOR291w	8e-028	3880560	(Z70271) Similarity to Yeast E1-E2 ATPase (SW:YED1_YEAST); cDNA EST EMBL:D37634 comes from this gene; cDNA EST EMBL:D34653 comes from this gene; cDNA EST EMBL:D34527 comes from this gene; cDNA EST EMBL:D32311 comes from this...	7e-048
3787	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
3788	M86400	Human phospholipase A2 mRNA, complete cds. > :: gb I34404 I34404 Sequence 8 from patent US 5497719	5e-088	<NONE>	<NONE>	<NONE>
3789	X03100	Human HLA-SB(DP) alpha gene	0.47	3941737	(AF109719) BAT2 [Mus musculus]	2.4
3790	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-015	3043662	(AB011141) KIAA0569 protein [Homo sapiens]	9.6
3791	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	0.29
3792	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	345555	Ig light chain - rainbow trout (fragment)	1.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3793	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
3794	AF064104	Homo sapiens Cdc14B1 phosphatase mRNA, complete cds	3e-030	2662463	(AF023158) tyrosine phosphatase [Homo sapiens]	1e-008
3795	U29348	Salmonella enterica strain s2978 invasion protein SpaO (spaO), SpaP (spaP) and SpaQ (spaQ) genes, complete cds	0.0005	2291118	(AF016414) No definition line found [Caenorhabditis elegans]	9.6
3796	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-016	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
3797	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	1168719	C6.1A PROTEIN	0.004
3798	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	481236	hypothetical protein - Madagascar periwinkle roseus]	3.4
3799	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	423157	finger protein ZNF33A - human (fragment)	4.3
3800	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
3801	U61950	Caenorhabditis elegans cosmid C45E5	1.2	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3802	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	1703028	CLATHRIN COAT ASSEMBLY PROTEIN AP47 HOMOLOG 2 (CLATHRIN COAT ASSOCIATED PROTEIN AP47 HOMOLOG 2) (GOLGI ADAPTOR AP-1 47 KD PROTEIN HOMOLOG 2) (HA1 47 KD SUBUNIT HOMOLOG 2) (CLATHRIN ASSEMBLY PROTEIN ASSEMBLY PROTEIN COMPL... >gi 2134919 pir A 57170 clathri	9.6
3803	M31651	Homo sapiens sex hormone-binding globulin (SHBG) gene; complete cds	7e-017	<NONE>	<NONE>	<NONE>
3804	D00596	Homo sapiens gene for thymidylate synthase, exons 1, 2, 3, 4, 5, 6, 7, complete cds	6e-038	<NONE>	<NONE>	<NONE>
3805	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.7
3806	D45906	Human mRNA for LIMK-2, complete cds	4e-096	<NONE>	<NONE>	<NONE>
3807	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2e-006	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3808	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.004	<NONE>	<NONE>	<NONE>
3809	AF045798	Xenopus laevis gremlin mRNA, complete cds	0.36	3551167	(AB012131) Ich1 [Coprinus cinereus]	4.1
3810	D78275	Human mRNA for proteasome subunit p42, complete cds	8e-019	1709804	26S PROTEASE REGULATORY SUBUNIT S10B (P44) (CONSERVED ATPASE DOMAIN PROTEIN 44) 26S proteasome regulatory subunit [Homo sapiens]	0.001
3811	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-009	<NONE>	<NONE>	<NONE>
3812	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
3813	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-014	3193162	(AF067618) No definition line found [Caenorhabditis elegans]	1e-027
3814	AF085858	Homo sapiens full length insert cDNA clone YN49B07	1e-017	3329465	(AF064553) NSD1 protein [Mus musculus]	4e-007
3815	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-005	<NONE>	<NONE>	<NONE>
3816	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0003	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3817	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-006	<NONE>	<NONE>	<NONE>
3818	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2	<NONE>	<NONE>	<NONE>
3819	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-006	416673	ATP SYNTHASE A CHAIN (PROTEIN 6) 3.6.1.34) protein 6 - liverwort (Marchantia polymorpha) mitochondrion >gi 786191 (M68929) atp6 [Marchantia polymorpha]	1.3
3820	L14684	Rattus norvegicus nuclear-encoded mitochondrial elongation factor G mRNA, complete cds.	e-115	585084	ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G) >gi 543383 pir S40780 translation elongation factor G, mitochondrial - rat >gi 310102	5e-038
3821	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.2
3822	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-012	1665789	(D87450) Similar to D.melanogaster parallel sister chromatids protein [Homo sapiens]	8.5
3823	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-009	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3824	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-015	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.2
3825	L48489	Homo sapiens N-acetylglucosaminyltransferase III	1e-038	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	1e-008
3826	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	<NONE>	<NONE>	<NONE>
3827	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.9
3828	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.4
3829	AB012162	Homo sapiens mRNA for APC 2 protein, complete cds	1e-017	3894265	(AB012162) APC 2 protein [Homo sapiens]	0.45
3830	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-010	1723680	HYPOTHETICAL 14.1 KD PROTEIN IN UPF3-SMD1 INTERGENIC REGION >gi 2132599 pir S64368 probable membrane protein YGR073c - yeast (Saccharomyces cerevisiae) >gi 1323101 gnl PI D e243468 (Z72858) ORF YGR073c [Saccharomyces cerevisiae]	1.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3831	S54914	bup=5'of bmi-1 proviral insertion locus [mice, Genomic/mRNA, 2022 nt]	e-140	265569	(S54914) bup=5'of bmi-1 proviral insertion locus [mice, Peptide, 195 aa] [Mus sp.]	2e-059
3832	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-009	<NONE>	<NONE>	<NONE>
3833	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-012	<NONE>	<NONE>	<NONE>
3834	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-015	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.9
3835	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-007	1805270	(U81983) endothelial PAS domain protein 1 [Mus musculus]	6.6
3836	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3837	X92814	H.sapiens mRNA for rat HREV107-like protein	1e-032	1709969	H-REV 107 PROTEIN	3e-013
3838	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	2183251	(AF002227) putative polyprotein [border disease virus strain C413]	0.015
3839	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	1142660	(U23502) POM1 [Plasmodium chabaudi chabaudi]	7.3
3840	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.3
3841	U47322	Cloning vector DNA, complete sequence.	2e-058	224398	ORF [Simian virus 40]	4e-005

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3842	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.9
3843	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.3
3844	Y15059	Homo sapiens hng/RC3 gene, exons 2,3 & 4	0.053	<NONE>	<NONE>	<NONE>
3845	X99330	R.norvegicus mRNA for IP63 protein	2e-027	<NONE>	<NONE>	<NONE>
3846	AF100303	Caenorhabditis elegans cosmid Y7G10A	0.53	<NONE>	<NONE>	<NONE>
3847	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
3848	AF040094	Mus musculus inositol polyphosphate 5- phosphatase II (INPP5P) mRNA, complete cds	0.15	<NONE>	<NONE>	<NONE>
3849	Y15724	Homo sapiens SERCA3 gene, exons 1-7 (and joined CDS)	2e-013	<NONE>	<NONE>	<NONE>
3850	AB011144	Homo sapiens mRNA for KIAA0572 protein, partial cds	0	3043668	(AB011144) KIAA0572 protein [Homo sapiens]	1e-080
3851	AF020762	Homo sapiens clone 1400 unknown protein mRNA, partial cds	0	2738927	(AF020762) unknown protein [Homo sapiens]	2.8
3852	Z99706	Human DNA sequence from cosmid U226D1 on chromosome X. Contains STS, complete sequence [Homo sapiens]	0.0002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3853	M73700	Human neutrophil lactoferrin mRNA, complete cds and 5' promoter region.	0.0002	<NONE>	<NONE>	<NONE>
3854	D31793	Human CD40 ligand (CD40L) gene, 5' flanking region and exon 1	0.046	<NONE>	<NONE>	<NONE>
3855	U16300	Human lysyl hydroxylase (PLOD) gene, intron 9, complete sequence.	0.0002	126363	LAMININ ALPHA-1 CHAIN PRECURSOR precursor - human	0.18
3856	U61241	Homo sapiens p47-phox pseudogene, clone P41, exon 1	0.14	<NONE>	<NONE>	<NONE>
3857	D37791	Mouse mRNA for beta-1,4-galactosyltransferase	e-105	3880102	(Z93390) similar to FYVE zinc finger; cDNA EST yk265b4.5 comes from this gene; cDNA EST yk359g9.5 comes from this gene; cDNA EST yk319c2.5 comes from this gene [Caenorhabditis elegans] zinc finger; cDNA EST yk265b4.5 comes from this gene; cDNA EST yk359g9	3e-021
3858	Z57667	H.sapiens CpG DNA, clone 18a8, reverse read cpg18a8.rt1b .	1.2	<NONE>	<NONE>	<NONE>
3859	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-014	2879809	(AJ223320) trp-like protein [Loligo forbesi]	1.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3860	U22296	Rattus norvegicus casein kinase 1 gamma 1 isoform mRNA, complete cds	e-126	3024053	CASEIN KINASE I, GAMMA 1 ISOFORM kinase 1 gamma 1 isoform [Rattus norvegicus]	1e-061
3861	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-014	113669	!!!! ALU CLASS D WARNING ENTRY !!!!	2.6
3862	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
3864	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	<NONE>	<NONE>	<NONE>
3865	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	3182957	CGMP-INHIBITED 3',5'-CYCLIC PHOSPHODIESTERASE B (CYCLIC GMP INHIBITED PHOSPHODIESTERASE B) (CGIPDE B) (CGIPDE1). phosphodiesterase - human >gi 1145302 (U38178) cyclic nucleotide phosphodiesterase [Homo sapiens] 3B [Homo sapiens]	4.4
3866	AF099004	Caenorhabditis elegans cosmid C07D2	0.2	<NONE>	<NONE>	<NONE>
3867	Z23091	H.sapiens GPV gene encoding platelet glycoprotein V precursor	5e-013	728836	!!!! ALU SUBFAMILY SP WARNING ENTRY	0.82

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3868	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-007	2291255	(AF016430) weak similarity to Bacillus subtilis spore coat protein precursor (GB:L42066) and Dictyostelium discoideum calcium binding protein (NID:g426313) in proline-rich regions [Caenorhabditis elegans]	8.4
3869	U58739	Caenorhabditis elegans cosmid F28C10.	0.33	<NONE>	<NONE>	<NONE>
3870	L48473	Homo sapiens (subclone 7_e11 from P1 H16) DNA sequence.	3e-008	<NONE>	<NONE>	<NONE>
3871	U95097	Xenopus laevis mitotic phosphoprotein 43 mRNA, partial cds	0.015	<NONE>	<NONE>	<NONE>
3872	Z73360	Human DNA sequence from cosmid 92M18, BRCA2 gene region chromosome 13q12-13.	4e-020	<NONE>	<NONE>	<NONE>
3873	Z71572	O.aries DNA for immunoglobulin joining regions	1.2	1699130	(U80027) weak similarity to Arabidopsis thaliana phytochrome E (PIR:S41912) [Caenorhabditis elegans]	6.1
3874	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3875	AB018263	Homo sapiens mRNA for KIAA0720 protein, partial cds	1.2	107240	oncogene 1 (tre-2 locus) (clone 210) - human	0.049
3876	U87998	Mus musculus cyclin G1 gene, partial cds	0.14	<NONE>	<NONE>	<NONE>
3877	AE001408	Plasmodium falciparum chromosome 2, section 45 of 73 of the complete sequence	1.8	<NONE>	<NONE>	<NONE>
3878	AF061244	Agrocybe aegerita B type DNA polymerase (Mtpol) gene, complete cds; tRNA-Asn gene, complete sequence; and unknown genes, mitochondrial genes for mitochondrial products	0.16	3153241	(AF053004) class I cytokine receptor [Homo sapiens]	5.8
3879	M73047	Homo sapiens tripeptidyl peptidase II mRNA, complete cds.	3e-028	136107	TRIPLEPTIDYL-PEPTIDASE II (TPP II) tripeptidyl-peptidase II (EC 3.4.14.10) - human sapiens]	0.35
3880	AB011393	Suncus murinus mitochondrial DNA, D-loop region, partial sequence, isolate TKU-M205	0.17	107422	proline-rich protein PRB3S (cys) - human	0.4
3881	X69951	H.sapiens gene for casein kinase II alpha subunit > subunit alpha [human, Genomic, 18862 nt]	1e-008	113668	!!!! ALU CLASS C WARNING ENTRY !!!!	0.54

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3882	U54558	Human translation initiation factor eIF3 p66 subunit mRNA, complete cds	3e-018	<NONE>	<NONE>	<NONE>
3883	AB012259	Homo sapiens DNA, anonymous heat-stable fragment RP12-8	5e-012	<NONE>	<NONE>	<NONE>
3884	U44130	Xenopus laevis p58 mRNA, partial cds	0.15	3873716	(Z74026) similar to 1-aminocyclopropane-1-carboxylate synthase; cDNA EST EMBL:D34239 comes from this gene; cDNA EST EMBL:D35575 comes from this gene; cDNA EST EMBL:D64242 comes from this gene; cDNA EST EMBL:D67126 comes from... 1-aminocyclopropane-1-carboxylate synthase	5.3
3885	AB007917	Homo sapiens mRNA for KIAA0448 protein, complete cds	0.006	<NONE>	<NONE>	<NONE>
3886	AJ223824	Lycopersicon esculentum cv Red River unknown sequence PCR random amplified RAPD band 9	0.045	<NONE>	<NONE>	<NONE>
3887	U47322	Cloning vector DNA, complete sequence.	3e-008	2183251	(AF002227) putative polyprotein [border disease virus strain C413]	0.67

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3888	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-006	<NONE>	<NONE>	<NONE>
3889	U67564	Methanococcus jannaschii section 106 of 150 of the complete genome	1.3	2920535	(AF018081) type XVIII collagen [Homo sapiens]	0.73
3890	AE000720	Aquifex aeolicus section 52 of 109 of the complete genome	1.3	<NONE>	<NONE>	<NONE>
3891	AB011230	Zaglossus bruijni mitochondrial gene for NADH dehydrogenase subunit 1, partial cds	3.6	<NONE>	<NONE>	<NONE>
3892	Z96177	H.sapiens telomeric DNA sequence, clone 10QTELO40, read 10QTELOO040.s eq	1e-042	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.0001
3893	AF067646	Cloning vector pCMV-scriptEX, complete sequence	3e-029	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.001
3894	Z69919	Human DNA sequence from cosmid 91K3, Huntington's Disease Region, chromosome 4p16.3 contains CpG island.	3.8	<NONE>	<NONE>	<NONE>
3895	X75757	G.gallus cycB3 mRNA.	6e-036	729112	G2/MITOTIC-SPECIFIC CYCLIN B3	4e-013
3896	L27833	Bos taurus pregnancy-associated glycoprotein-1	0.48	854348	(X87336) DNA endonuclease [Peperomia polybotrya]	7.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3897	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.14	3169059	(AL023704) weak similarity to B.subtilis spore outgrowth factor B [Schizosaccharomyces pombe]	5e-052
3898	X64123	H.sapiens PVR gene for poliovirus receptor (exon 8)	7e-006	2444416	(AF020484) NADH dehydrogenase-like protein [Gleditsia fera]	0.55
3899	Z81043	Caenorhabditis elegans cosmid C29F3, complete sequence [Caenorhabditis elegans]	0.44	266459	P-SELECTIN PRECURSOR (GRANULE MEMBRANE PROTEIN 140) (GMP-140) (PADGEM) (CD62P) mouse >gi 200553 (M87861) P-selectin [Mus musculus]	1.8
3900	AJ001235	Papio hamadryas ERV-9 like LTR insertion	3e-050	3126961	(AF061747) cell division protein FtsZ homolog	1.2
3901	AE001314	Chlamydia trachomatis section 41 of 57 of the complete genome	1.2	<NONE>	<NONE>	<NONE>
3902	X82895	H.sapiens mRNA for DLG2	2e-048	3659505	(AC005084) similar to mouse mCASK-A; similar to e1288039	1e-054
3903	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
3904	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	436923	(U01849) ORF1 [Trypanosoma brucei]	0.08

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3905	D88982	Clostridium botulinum DNA for C2 toxin component-I and component-II, complete cds	0.38	1082769	RNA helicase A - human	5.6
3906	D50418	Mouse mRNA for AREC3, partial cds	1e-041	2137398	homeotic protein AREC3 (clone SM) - mouse	0.044
3907	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-005	<NONE>	<NONE>	<NONE>
3908	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	2314677	(AE000648) cation-transporting ATPase, P-type (copA)	0.36
3909	U72745	Dictyostelium discoideum cysteine proteinase	0.014	<NONE>	<NONE>	<NONE>
3910	AJ011972	Homo sapiens mRNA for histone deacetylase-like protein (JM21)	3e-081	<NONE>	<NONE>	<NONE>
3911	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-011	<NONE>	<NONE>	<NONE>
3912	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
3913	AC001032	Homo sapiens (subclone 2_c11 from P1 H48) DNA sequence	9e-009	130402	RETROVIRUS-RELATED POL POLYPROTEIN	3.2
3914	J04830	S.cerevisiae CBP3 protein gene, complete cds.	3.3	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3915	D78572	House mouse; Musculus domesticus mRNA for membrane glycoprotein, complete cds > :: dbj E12950 E12950 cDNA GA3-43 encoding novel polypeptide which appear when differentiate from embryo-tumor cell P19 to nerve cell	4e-044	1545807	(D78572) membrane glycoprotein [Mus musculus]	1e-020
3916	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.1
3917	U29923	Human AMP deaminase (AMPD3) gene, intron 1a and promoter 1b.	0.04	3256504	(AP000001) 115aa long hypothetical protein [Pyrococcus horikoshii]	0.094
3918	Z68327	Human DNA sequence from cosmid U25D11, between markers DXS366 and DXS87 on chromosome X.	5e-015	<NONE>	<NONE>	<NONE>
3919	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-013	<NONE>	<NONE>	<NONE>
3920	M89955	Human 5-HT1D-type serotonin receptor gene, complete cds.	0	112819	5-HYDROXYTRYPTAMINE 1D RECEPTOR human >gi 177772 (M89955) 5-HT1D-type serotonin receptor receptor:ISOTYPE =1D-alpha [Homo	3e-053

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					sapiens]	
3921	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-008	3879698	(Z78065) predicted using Genefinder	9.1
3922	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.002	3184285	(AC004136) hypothetical protein [Arabidopsis thaliana]	9.5
3923	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.005	139805	XFIN PROTEIN >gil65234 (X06021) Xfin protein (AA 1 - 1350) [Xenopus laevis]	1.9
3924	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	<NONE>	<NONE>	<NONE>
3925	AF013711	Homo sapiens 22 kDa actin-binding protein	1e-020	103509	I factor 2 (transposon) - fruit fly protein [Drosophila teissieri]	5.5
3926	S83526	red photopigment gene {Alu repeat region, long intron 1} [human, peripheral blood leucocytes, Genomic, 1987 nt]	7e-006	<NONE>	<NONE>	<NONE>
3927	AB011542	Homo sapiens mRNA for MEGF9, partial cds	0	3449310	(AB011542) MEGF9 [Homo sapiens]	2e-095

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3928	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
3929	X67312	P.pijperi mitochondrion DNA for Vaccinia virus-like terminal loop structure	6e-006	<NONE>	<NONE>	<NONE>
3930	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	3080474	(AL022602) cell divisin protein FtsW	1.2
3931	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-006	3769486	(AF074946) DNA polymerase [hemorrhagic enteritis virus]	1.3
3932	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	<NONE>	<NONE>	<NONE>
3933	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	1890266	(U88585) NADH-dehydrogenase subunit I [Quedius mesomelinus]	4.2
3934	Z12112	pWE15A cosmid vector DNA	1e-051	987050	(X65335) lacZ gene product [unidentified cloning vector]	4e-009
3935	AF023180	Listeria monocytogenes low temperature requirement A protein (ltrA) gene, complete cds	0.005	<NONE>	<NONE>	<NONE>
3936	D10856	D. melanogaster cyclin A gene	0.37	2315521	(AF016452) similar to the beta transducin family	1e-028

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3937	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	3687507	(AL031788) C2H2 type zinc finger protein [Schizosaccharom yces pombe]	7.3
3938	Z80361	H.sapiens HLA-DRB pseudogene, repeat region;	2e-078	<NONE>	<NONE>	<NONE>
3939	L22551	Plasmodium yoelii yoelii merozoite surface protein 1 gene, 5' end.	1.2	<NONE>	<NONE>	<NONE>
3940	X74178	B.taurus microsatellite DNA INRA153	0.005	2291118	(AF016414) No definition line found [Caenorhabditis elegans]	2.5
3941	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-010	1354361	(U52008) Mrp50 [Streptococcus pyogenes]	0.48
3942	U41635	Human OS-9 precurosor mRNA, complete cds	0.12	<NONE>	<NONE>	<NONE>
3943	U95102	Xenopus laevis mitotic phosphoprotein. 90 mRNA, complete cds	1e-011	<NONE>	<NONE>	<NONE>
3944	M37470	Human beta-N-acetylhexosamini dase (HEXB) gene, deletion junction.	5e-025	728832	!!!! ALU SUBFAMILY SB WARNING ENTRY	4.3
3945	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	97885	salivary agglutinin receptor precursor - Streptococcus sanguis	0.84

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3946	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	140550	HYPOTHETICAL 259 KD PROTEIN (ORF 2136) >gi 81341 pir A05037 hypothetical protein 2136 - liverwort (Marchantia polymorpha) chloroplast >gi 11665	2.5
3947	L13176	Papio anubis apolipoprotein C-I gene, partail mRNA.	0.0005	<NONE>	<NONE>	<NONE>
3948	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	580702	(X74410) fixP gene product [Azorhizobium caulinodans]	2.9
3949	X92987	B.primigenius mRNA for coat protein gamma-cop	2e-036	1706000	COATOMER GAMMA SUBUNIT (GAMMA-COAT PROTEIN) (GAMMA-COP) >gi 1066165 (X92987) coat protein gamma-cop [Bos primigenius]	2e-008
3950	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	223232	protein src [Avian sarcoma virus]	0.37
3951	AF037350	Rattus norvegicus NF-E2-related factor 2 mRNA, complete cds	1e-013	3004573	(AC004520) similar to NFE2-related transcription factors; similar to I48694 (PID:g2137676) [Homo sapiens]	8e-073
3952	AJ011972	Homo sapiens mRNA for histone deacetylase-like protein (JM21)	8e-092	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3953	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
3954	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
3955	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	630444	CR5 protein - Trypanosoma brucei >gi 468424	4.3
3956	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	630444	CR5 protein - Trypanosoma brucei >gi 468424	4.3
3957	AF086172	Homo sapiens full length insert cDNA clone ZB89E10	9e-062	1172991	60S RIBOSOMAL PROTEIN L21 sapiens] >gi 984143 (X89401) ribosomal protein L21 [Homo sapiens] >gi 1096939 prf 2 113200B ribosomal protein L21	9e-024
3958	D42084	Human mRNA for KIAA0094 gene, partial cds	2e-058	1703270	PUTATIVE METHIONINE AMINOPEPTIDA SE 1 (METAP 1) (PEPTIDASE M 1) (KIAA0094) product is related to S.cerevisiae methionine aminopeptidase. [Homo sapiens]	1e-016

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3959	AF034755	Homo sapiens microphthalmia-associated transcription factor (MITF) gene, promoter region and partial cds	2e-005	<NONE>	<NONE>	<NONE>
3960	Z96177	H.sapiens telomeric DNA sequence, clone 10QTEL040, read 10QTELOO040.s eq	3e-011	<NONE>	<NONE>	<NONE>
3961	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	141028	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 >gi 76351 pir QQ UTC5 NADH dehydrogenase (ubiquinone)	1.1
3962	U93237	Human menin (MEN1) gene, complete cds	0.37	134853	TRANSCRIPTION INITIATION PROTEIN SPT5 yeast (Saccharomyces cerevisiae) >gi 172605 (M62882) SPT5 protein [Saccharomyces cerevisiae] >gi 854480 (Z49810) Spt5p [Saccharomyces cerevisiae]	0.49
3963	Z93782	Caenorhabditis elegans cosmid R12G8, complete sequence [Caenorhabditis elegans]	0.008	1171084	A/G-SPECIFIC ADENINE GLYCOSYLASE	6.5
3964	U11270	Human antithrombin III gene, exon 1 and partial cds.	2e-023	728837	!!!! ALU SUBFAMILY SQ WARNING ENTRY	9e-006

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3965	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-007	3650488	(AF042273) signal transducing adaptor molecule 2A [Homo sapiens]	3.6
3966	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
3967	AF086207	Homo sapiens full length insert cDNA clone ZC48C05	1e-009	1077301	probable membrane protein YOL101c - yeast similarity with bee NADH-ubiquinone oxidoreductase chain 2 [Saccharomyces cerevisiae] >gi 1419955 gnl PI D e252291	0.41
3968	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.2
3969	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	2274853	(AJ000502) iron regulatory protein	0.15
3970	U82165	Cercopithecus aethiops transmembrane glycoprotein CD99-cos7 mRNA, partial cds	2e-015	2735010	(U82166) CD99 type II-COS7 [Cercopithecus aethiops]	0.011
3971	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3972	M87680	Human simple repeat polymorphism.	3e-040	3874946	(Z79598) cDNA EST EMBL:D34748 comes from this gene; cDNA EST yk218e6.5 comes from this gene; cDNA EST yk244e3.5 comes from this gene; cDNA EST yk248a4.5 comes from this gene; cDNA EST yk250a3.5 comes from this gene; cDNA EST...	1e-008
3973	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	119396	ENV POLYPROTEIN (COAT POLYPROTEIN) reticuloendotheliosis virus >gil61786 (X01455) env-protein (capsid protein) [Reticuloendotheliosis virus] >gil269712 (K02537) envelope polypeptide [Avian reticuloendotheliosis virus A]	4.6
3974	AB011143	Homo sapiens mRNA for KIAA0571 protein, complete cds	e-151	1708199	HSC70-INTERACTING PROTEIN	4e-023
3975	AC001050	Homo sapiens (subclone 3_e9 from P1 H55) DNA sequence	1e-019	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	3e-006
3976	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	1077543	probable membrane protein YDR198c - yeast	5.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3977	AJ005175	Drosophila virilis mRNA for GAGA factor class B-isoform	0.056	<NONE>	<NONE>	<NONE>
3978	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-014	478731	replication protein - Butyrivibrio fibrisolvens plasmid pRJF1 >gi152515 (M94552) replication protein [Plasmid pRJF1]	1.5
3979	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-006	3319480	(AF077546) No definition line found [Caenorhabditis elegans]	6.5
3980	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3
3981	AF003350	Mus musculus Npc1 gene, and npc-nih intron containing the MaLR inserted sequence	4e-007	1170261	OUTER MEMBRANE USHER PROTEIN HIFC PRECURSOR	6.4
3982	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.001	<NONE>	<NONE>	<NONE>
3983	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-006	<NONE>	<NONE>	<NONE>
3984	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-007	<NONE>	<NONE>	<NONE>
3985	AB007939	Homo sapiens mRNA for KIAA0470 protein, complete cds	e-163	3413902	(AB007939) KIAA0470 protein [Homo sapiens]	2e-057

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3986	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.9
3987	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-006	<NONE>	<NONE>	<NONE>
3988	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1e-006	<NONE>	<NONE>	<NONE>
3989	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.008	2414527	(Z99263) hypothetical protein MLCB637.01c [Mycobacterium leprae]	1.3
3990	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.074	464237	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4	2.2
3991	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	3876367	(Z69360) Weak similarity to Eimeria thrombospondin (PIR Acc. No. A45517); cDNA EST EMBL:M89266 comes from this gene; cDNA EST yk295b9.5 comes from this gene [Caenorhabditis elegans] Eimeria thrombospondin (PIR Acc. No. A45517); cDNA EST EMBL:M89266 comes	7.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3992	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	400624	SODIUM- AND CHLORIDE-DEPENDENT GABA TRANSPORTER 2 >gi 348413 pir A45078 gamma-aminobutyric acid transporter protein 2 - rat >gi 202523 (M95762) GABA transporter [Rattus norvegicus]	0.62
3993	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-015	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.9
3994	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.9
3995	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	2286159	(AF007831) glycoprotein H [Human herpesvirus 7]	6.3
3996	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-014	<NONE>	<NONE>	<NONE>
3997	D16888	Human HepG2 3' region cDNA, clone hmd2c03	e-104	<NONE>	<NONE>	<NONE>
3998	U00995	Rattus norvegicus TA1 mRNA, complete cds.	1e-031	3639058	(AF077866) amino acid transporter E16 [Homo sapiens]	1e-050

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
3999	AF037219	Homo sapiens PIX1 mRNA sequence	5e-013	586863	HYPOTHETICAL 9.2 KD PROTEIN IN RECR-BOFA INTERGENIC REGION >gi 1075824 pir A 41869 bofA 5'- region hypothetical protein orf74 - Bacillus subtilis subtilis] >gi 2632289 gnl PI D e1181955 (Z99104) yaaL	2.7
4000	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>
4001	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-015	<NONE>	<NONE>	<NONE>
4002	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-013	549734	HYPOTHETICAL 105.7 KD PROTEIN IN TPK3-PIR1 INTERGENIC REGION >gi 481105 pir S3 7786 hypothetical protein YKL165c - yeast (Saccharomyces cerevisiae) >gi 407483 (Z26877) unknown [Saccharomyces cerevisiae] >gi 486289 (Z28165) ORF YKL165c	3e-019

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4003	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-014	<NONE>	<NONE>	<NONE>
4004	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-008	228110	T cell receptor variable region:SUBUNIT =beta:ISOTYPE=19 [Rattus norvegicus]	3.6
4005	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-014	930045	(X15332) alpha-1 (III) collagen [Homo sapiens]	0.52
4006	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.2
4007	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-015	2960195	(Y13051) tax [Human T-cell lymphotropic virus type 2b]	0.68
4008	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-007	3523099	(AF016271) Ksp-cadherin [Mus musculus]	6.6
4009	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-015	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.7
4010	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-015	<NONE>	<NONE>	<NONE>
4011	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	2121280	(AF000270) lipoprotein [Borrelia burgdorferi]	1.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4012	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	<NONE>	<NONE>	<NONE>
4013	L20489	Zea mays NADH dehydrogenase subunit 4 (complex I) (nad4) gene, exon 4.	3.5	<NONE>	<NONE>	<NONE>
4014	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-014	<NONE>	<NONE>	<NONE>
4015	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-016	927407	(X89858) actin binding protein [Drosophila melanogaster]	0.02
4016	U05659	Human 17beta-hydroxysteroid dehydrogenase type 3 mRNA, complete cds	1e-092	1169300	ESTRADIOL 17 BETA-DEHYDROGENASE 3 DEHYDROGENASE) >gil1085271 pir S43928 17-beta-hydroxysteroid dehydrogenase - human >gil531162 hydroxysteroid dehydrogenase:ISOTYPE=3 [Homo sapiens]	4e-029
4017	U02428	Cloning vector pDR2, complete sequence	2e-066	987050	(X65335) lacZ gene product [unidentified cloning vector]	2e-009

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4018	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-018	3979938	(AL034393) predicted using Genefinder; cDNA EST yk343c12.5 comes from this gene; cDNA EST yk402e12.5 comes from this gene; cDNA EST yk457e8.5 comes from this gene; cDNA EST yk470f2.5 comes from this gene; cDNA EST yk281e3.5 ...	7e-009
4019	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	<NONE>	<NONE>	<NONE>
4020	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	804806	(M13100) unknown protein [Rattus norvegicus]	5.7
4021	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-014	<NONE>	<NONE>	<NONE>
4022	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	<NONE>	<NONE>	<NONE>
4023	U49974	Human mariner2 transposable element, complete consensus sequence	e-124	1698455	(U49974) mariner transposase [Homo sapiens]	2e-028
4024	L31840	Rattus norvegicus nuclear pore complex protein NUP107 mRNA, complete cds.	e-175	1709212	NUCLEAR PORE COMPLEX PROTEIN NUP107	3e-093

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4025	AB001632	Homo sapiens DNA for cGMP-binding cGMP-specific phosphodiesterase (PDE5), exon 18	7e-007	<NONE>	<NONE>	<NONE>
4026	X96401	H.sapiens mRNA for ROX protein	8e-070	<NONE>	<NONE>	<NONE>
4027	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.015	<NONE>	<NONE>	<NONE>
4028	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.2
4029	AJ006064	Rattus norvegicus mRNA for coronin-like protein	e-124	3757680	(AJ006064) coronin-like protein [Rattus norvegicus]	2e-091
4030	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	1184072	(U40766) COL-1 [Meloidogyne incognita]	0.019
4031	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.002	231721	T-CELL SURFACE GLYCOPROTEIN CD8 ALPHA CHAIN PRECURSOR (T-LYMPHOCYTE DIFFERENTIATION ANTIGEN T8/LEU-2) >gi 38145 (X60223) CD8 alpha chain	0.008
4032	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4033	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.005	<NONE>	<NONE>	<NONE>
4034	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	1020391	(L48340) alcohol dehydrogenase [Methylobacterium extorquens]	1.4
4035	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	2291282	(AF016433) similar to C. elegans olfactory receptor ODR-10 (NID:g1235900) [Caenorhabditis elegans]	4.4
4036	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	478993	DNA-binding protein TAF-II 250K - fruit fly TATA-binding protein associated factor II 250, TBP associated factor II 250, TAFII250 {C-terminal}	5e-006
4037	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.4
4038	X03100	Human HLA-SB(DP) alpha gene	2e-025	<NONE>	<NONE>	<NONE>
4039	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-008	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4040	J03798	Human autoantigen small nuclear ribonucleoprotein Sm-D mRNA, complete cds.	2e-048	3874988	(Z74029) Similarity to C.elegans alcohol dehydrogenase (WP:C17G10.8); cDNA EST EMBL:D66106 comes from this gene; cDNA EST EMBL:D69117 comes from this gene; cDNA EST EMBL:D69761 comes from this gene; cDNA EST EMBL:C12156 come...	5.6
4041	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	2292986	(AJ000496) cyclic nucleotide-gated channel beta subunit [Rattus norvegicus]	0.5
4042	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.5
4043	AF020187	Amblyomma americanum ecdysteroid receptor	1.2	<NONE>	<NONE>	<NONE>
4044	Z68758	Human DNA sequence from cosmid cN85E10 on chromosome 22q11.2-qter	2e-035	<NONE>	<NONE>	<NONE>
4045	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	2529632	(L78917) virion protein [Rubella virus]	4.6
4046	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-005	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4047	AB007957	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0488	2e-016	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.063
4048	M64716	Human ribosomal protein S25 mRNA, complete cds.	3e-082	2660720	(AF029678) PHF1 [Homo sapiens]	7e-013
4049	AB002437	Homo sapiens mRNA from chromosome 5q21-22, clone:LI33	6e-026	<NONE>	<NONE>	<NONE>
4050	Z74893	S.cerevisiae chromosome XV reading frame ORF YOL151w	0.13	<NONE>	<NONE>	<NONE>
4051	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	<NONE>	<NONE>	<NONE>
4052	U43416	Human replication control protein 1 (PARC1) mRNA, complete cds.	2e-056	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.007
4053	AF042346	Homo sapiens putative phenylalanyl-tRNA synthetase beta-subunit mRNA, complete cds	0	4104933	(AF042346) putative phenylalanyl-tRNA synthetase beta-subunit; PheHB [Homo sapiens]	e-123
4054	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4055	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4056	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
4057	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0005	2981221	(AF053091) eyelid [Drosophila melanogaster]	2.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4058	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
4059	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-007	<NONE>	<NONE>	<NONE>
4060	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	9.6
4061	U11081	Human type 1 vasoactive intestinal peptide receptor (VIRG) gene, exon 3.	0.43	<NONE>	<NONE>	<NONE>
4062	X82272	Human endogenous retrovirus env mRNA	8e-081	1196429	(M14123) pol/env ORF (bases 3878- 8257) first start codon at 4172; Xxx; putative [Homo sapiens]	6e-058
4063	S61789	NF1=neurofibro matosis type 1 {deletion breakpoint, tetrameric STR} [human, neurofibrosarcom a tissue, Genomic Mutant, 698 nt]	0.0005	2494294	NEUROGENIC LOCUS NOTCH 3 PROTEIN	4.3
4064	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0005	3264773	(AF072439) zinc- finger protein-37; ZFP-37 [Rattus norvegicus]	3.3
4065	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.5
4066	U47322	Cloning vector DNA, complete sequence.	9e-054	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	0.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4067	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.4
4068	U31557	Ovine adenovirus IVa2 protein gene, DNA polymerase gene, terminal protein gene and 52,55 kDa protein gene, partial cds	0.0002	3002875	(AF042104) envelope glycoprotein [Human immunodeficiency virus type 1]	2.6
4069	AL023973	Human DNA sequence from clone 1033E15 on chromosome 22q13.1-13.2. Contains part of a novel gene, ESTs and a GSS, complete sequence [Homo sapiens]	7e-017	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.061
4070	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	2e-005	<NONE>	<NONE>	<NONE>
4071	X07679	Xenopus laevis XK70A gene for type I keratin	0.39	2281044	(Z95636) laminin alpha 5 chain [Homo sapiens]	0.9
4072	X96886	H.sapiens spcDNA, clone 2-65	5e-014	<NONE>	<NONE>	<NONE>
4073	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	9e-008	<NONE>	<NONE>	<NONE>
4074	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	6e-005	1079278	activin receptor II STK3 precursor - African clawed frog >gi 260044 bbs 118656 (S49438) activin receptor, XAR1 [Xenopus, oocytes, Peptide,	1.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					510 aa]	
4075	AF097909	Peptostreptococcus micros fibril-like structure subunit FibA (fibA) gene, complete cds; excreted protein FibB (fibB) gene, partial cds; and unknown gene	0.046	<NONE>	<NONE>	<NONE>
4076	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-010	<NONE>	<NONE>	<NONE>
4077	AL009008	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-58, complete sequence	0.45	<NONE>	<NONE>	<NONE>
4078	L34686	Serpulina hyodysenteriae flagellar protein	0.015	<NONE>	<NONE>	<NONE>
4079	AJ130718	Homo sapiens mRNA for glycoprotein-associated amino acid transporter y+LAT1	1e-022	3582136	(AB015432) LAT1 (L-type amino acid transporter 1) [Rattus norvegicus]	2e-008
4080	X51969	Cyprinus carpio growth hormone gene	1.2	<NONE>	<NONE>	<NONE>
4081	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4082	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.4
4083	L38961	Human putative transmembrane protein precursor (B5) mRNA, complete cds	1e-071	1174470	OLIGOSACCHA RYL TRANSFERASE STT3 SUBUNIT HOMOLOG (B5) (INTEGRAL MEMBRANE PROTEIN 1) musculus] >gi 1588285 prf 2 208301A integral membrane protein [Mus musculus]	1e-008
4084	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-013	267449	HYPOTHETICAL 12.5 KD PROTEIN ZK637.2 IN CHROMOSOME III >gi 102507 pir S1 5787 hypothetical protein 1 (cosmid ZK637) - Caenorhabditis elegans Genefinder; cDNA EST yk217b5.3 comes from this gene; cDNA EST yk217b5.5 comes from this gene; cDNA EST yk340g12.3	7e-014
4085	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-008	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.4
4086	X77733	T.aestivum VDAC 1 mRNA.	0.005	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4087	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	3123172	ZINC FINGER PROTEIN 151 (MIZ-1 PROTEIN) >gi 2230871 gnl PI D e286602 (Y09723) Miz-1 protein [Homo sapiens]	2e-010
4088	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-010	180498	(M17517) complement H factor [Homo sapiens]	5.8
4089	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-007	<NONE>	<NONE>	<NONE>
4090	U24697	Chironomus samoensis nanos homolog (Cs nos) gene, complete cds.	0.13	3880999	(AL021492) Y45F10D.11 [Caenorhabditis elegans]	7e-022
4091	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.7
4092	U81504	Homo sapiens beta-3A-adaptin subunit of the AP-3 complex mRNA, complete cds	6e-088	2199512	(U81504) beta- 3A-adaptin subunit of the AP- 3 complex [Homo sapiens]	0.0001
4093	AF053304	Homo sapiens mitotic checkpoint component Bub3	e-108	3378104	(AF047473) testis mitotic checkpoint BUB3 [Homo sapiens]	3e-024
4094	S70431	type-1 angiotensin II receptor {exons 1 and 2, promoter} [human, peripheral lymphocytes, Genomic, 2853 nt, segment 1 of 2]	4e-013	126295	LINE-1 REVERSE TRANSCRIPTAS E HOMOLOG	3e-005

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4095	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-013	<NONE>	<NONE>	<NONE>
4096	D10355	Human mRNA for alanine aminotransferase	3e-082	111345	alanine transaminase (EC 2.6.1.2) - rat	4e-042
4097	AF043252	Homo sapiens mitochondrial outer membrane protein (Tom40) gene, nuclear gene encoding mitochondrial protein, exons 7, 8 and 9	e-167	3941342	(AF043250) mitochondrial outer membrane protein [Homo sapiens] >gi 3941347 (AF043253) mitochondrial outer membrane protein [Homo sapiens] >gi 4105703 (AF050154) D19S1177E [Homo sapiens]	7e-013
4098	U41668	Human deoxyguanosine kinase mRNA, complete cds	e-125	2833282	DEOXYGUANOS INE KINASE PRECURSOR sapiens]	2e-009
4099	AF017416	Bacillus thuringiensis d- endotoxin gene, complete cds	0.14	<NONE>	<NONE>	<NONE>
4100	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-008	<NONE>	<NONE>	<NONE>
4101	AF017416	Bacillus thuringiensis d- endotoxin gene, complete cds	0.14	<NONE>	<NONE>	<NONE>
4102	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-008	<NONE>	<NONE>	<NONE>
4103	AJ003081	Homo sapiens repetitive DNA	5e-024	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4104	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-007	<NONE>	<NONE>	<NONE>
4105	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	1572756	(U70848) C43G2.1 gene product [Caenorhabditis elegans]	4e-038
4106	U33915	Craterostigma plantagineum myb-related transcription factor (cpm10) gene, complete cds	0.14	<NONE>	<NONE>	<NONE>
4107	U46493	Cloning vector pFlp recombinase gene, complete cds	5e-033	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.004
4108	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-009	3417298	(AC002044) Alpha-fetoprotein enhancer binding protein (3' partial) [Homo sapiens]	0.33
4109	M16039	Dictyostelium discoideum pst-cath gene encoding pst-cathepsin, complete cds.	0.0002	<NONE>	<NONE>	<NONE>
4110	D21851	Human mRNA for KIAA0028 gene, partial cds	6e-005	<NONE>	<NONE>	<NONE>
4111	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	1723920	HYPOTHETICAL 37.4 KD PROTEIN IN SEC27-SSM1B INTERGENIC REGION >gi 2131603 pir S64149 hypothetical protein YGL136c - yeast (Saccharomyces cerevisiae) >gi 1246842 gnl PI	8e-006

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					D[e210737 (X92670) G2830	
4112	X75861	H.sapiens TEGT gene	e-180	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.6
4113	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-008	1399962	(U62317) choline kinase isolog 384D8_3 [Homo sapiens]	0.67
4114	Y07660	M.tuberculosis accBC gene	2e-059	465847	HYPOTHETICAL 66.5 KD PROTEIN F02A9.5 IN CHROMOSOME III >gi 280542 pir S28313 hypothetical protein F02A9.5 - Caenorhabditis elegans Genefinder; similar to Propionyl-CoA carboxylase beta chain; cDNA EST EMBL:M89018 comes from this gene; cDNA EST EMBL:D2806	4e-056
4115	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.014	765086	(D30786) feline CD9 [Felis catus]	1.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4116	D29011	Human mRNA for proteasome subunit X, complete cds	e-125	2136006	proteasome subunit MB1 - human (fragment) MB1=LMP7 homolog [human, JY T-cells, Peptide Partial, 215 aa] [Homo sapiens]	4e-008
4117	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.2
4118	Z11692	H.sapiens mRNA for elongation factor 2	e-178	119172	ELONGATION FACTOR 2 (EF-2) eEF-2 - human >gi 31106 (X51466) elongation factor 2 factor 2 [Homo sapiens]	6e-054
4119	AF070530	Homo sapiens clone 24751 unknown mRNA	0	3387886	(AF070530) unknown [Homo sapiens]	4e-013
4120	D12646	Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds	6e-057	1170659	KINESIN-LIKE PROTEIN KIF4 musculus]	2e-022
4121	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>
4122	X75861	H.sapiens TEGT gene	e-180	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.6
4123	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	630864	LRR47 protein - fruit fly (Drosophila melanogaster) >gi 415947 (X75760) LRR47 [Drosophila melanogaster]	0.0002

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4124	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-014	3876775	(Z81077) predicted using Genefinder; Similarity to Yeast protein 8248 (TR:G587531)	1e-015
4125	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-008	480516	transposase (clone 22.5) - African malaria mosquito transposon mariner (fragment) >gi159600	2.8
4126	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	<NONE>	<NONE>	<NONE>
4127	X65279	pWE15 cosmid vector DNA	2e-066	987050	(X65335) lacZ gene product [unidentified cloning vector]	4e-015
4128	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.8
4129	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
4130	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
4131	X74871	H.sapiens gene for RNA pol II largest subunit, exons 20-22	1.1	1182038	(Z69368) unknown [Schizosaccharom yces pombe]	0.86
4132	M64983	Human fibrinogen beta chain gene, complete mRNA. > gb I47706 I47706 Sequence 3 from patent US 5639940	0.23	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4133	D12646	Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds	6e-057	1170659	KINESIN-LIKE PROTEIN KIF4 [musculus]	2e-022
4134	D86957	Human mRNA for KIAA0202 gene, partial cds	1.1	<NONE>	<NONE>	<NONE>
4135	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-006	<NONE>	<NONE>	<NONE>
4136	M20902	Human apolipoprotein C-I (VLDL) gene, complete cds.	4e-008	<NONE>	<NONE>	<NONE>
4137	L36849	Cloning vector pZEO (isolate SV1) phleomycin/zeocin-binding protein gene, complete cds.	9e-040	987050	(X65335) lacZ gene product [unidentified cloning vector]	9e-007
4138	X80910	H.sapiens PPP1CB mRNA	0	<NONE>	<NONE>	<NONE>
4139	M77812	Rabbit myosin heavy chain mRNA, complete cds.	0.0002	2088793	(AF003150) similar to cuticular collagen [Caenorhabditis elegans]	0.23
4140	U41165	Human recombination 'hot spot' region associated with the CMT1A duplication and the HNPP deletion containing a mariner transposon-like element	0.13	<NONE>	<NONE>	<NONE>
4141	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0006	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4142	AC001502	Homo sapiens (subclone 2_c7 from P1 H43) DNA sequence	0.014	3164130	(D78600) cytochrome P450 monooxygenase	7.5
4143	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
4144	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4145	L31760	Human STS UT8178.	0.17	<NONE>	<NONE>	<NONE>
4146	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	<NONE>	<NONE>	<NONE>
4147	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0006	2662587	(AF036696) contains similarity to Brassica oleracea non-green plastid phosphate/triose- phosphate translocator precursor (GB:U13632) [Caenorhabditis elegans]	2e-016
4148	X56807	Human DSC2 mRNA for desmocollins type 2a and 2b	6e-037	319943	desmocollin 3b precursor - human	7e-014
4149	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>
4150	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	2854155	(AF045640) contains similarity to ion channel proteins	3.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4151	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2507153	VACUOLAR PROTEIN SORTING- ASSOCIATED PROTEIN VPS16 >gi 2133204 pir S 62031 vacuolar protein sorting- associated protein VPS16 - yeast (Saccharomyces cerevisiae) >gi 1171414 (U44030) Vsp16p: Vacuolar sorting protein [Saccharomyces cerevisiae]	0.011
4152	D12646	Mouse kif4 mRNA for microtubule- based motor protein KIF4, complete cds	2e-035	3877579	(Z82271) Similarity to Mouse kinensin- like protein KIF4 (SW:P33174); cDNA EST EMBL:D27320 comes from this gene; cDNA EST EMBL:D27322 comes from this gene; cDNA EST EMBL:D27321 comes from this gene; cDNA EST EMBL:D35764 comes... Mouse kinensin-like protein	2e-054

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4153	D12646	Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds	2e-035	3877579	(Z82271) Similarity to Mouse kinensin-like protein KIF4 (SW:P33174); cDNA EST EMBL:D27320 comes from this gene; cDNA EST EMBL:D27322 comes from this gene; cDNA EST EMBL:D27321 comes from this gene; cDNA EST EMBL:D35764 comes... Mouse kinensin-like protein	2e-054
4154	D12646	Mouse kif4 mRNA for microtubule-based motor protein KIF4, complete cds	2e-035	3877579	(Z82271) Similarity to Mouse kinensin-like protein KIF4 (SW:P33174); cDNA EST EMBL:D27320 comes from this gene; cDNA EST EMBL:D27322 comes from this gene; cDNA EST EMBL:D27321 comes from this gene; cDNA EST EMBL:D35764 comes... kinensin-like protein KIF4	9e-058
4155	M30539	Human SK2 c-Ha-ras-1 oncogene-encoded protein gene, exon 1.	0.13	137334	66 KD PROTEIN >gil77357 pir JQ0107 hypothetical 66K protein - Ononis yellow mosaic virus	10

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4156	L05096	Homo sapiens ribosomal protein L39 mRNA, complete cds	2e-086	1173044	60S RIBOSOMAL PROTEIN L39 norvegicus] >gi 1373419 (U57846) ribosomal protein L39 ribosomal protein L39 [Homo sapiens]	3e-007
4157	D13749	Plasmid pKA1 DNA	2e-025	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.18
4158	AF007157	Homo sapiens clone 23856 unknown mRNA, partial cds	2e-057	2131036	(Z95890) PE_PGRS [Mycobacterium tuberculosis]	6.3
4159	AF031400	Poecilia orri NADH dehydrogenase subunit 2 gene, mitochondrial gene encoding mitochondrial protein, complete cds	1.2	3327168	(AB014577) KIAA0677 protein [Homo sapiens]	0.0008
4160	U58468	Human vasoactive intestinal peptide gene, 5' flanking sequence from -5172 to -1924	3e-009	<NONE>	<NONE>	<NONE>
4161	D11078	Homo sapiens RGH2 gene, retrovirus-like element	4e-032	2119507	alpha-1C-adrenergic receptor isoform 2 - human >gi 927209 gnl PI D d1007476 (D32202) alpha 1C adrenergic receptor isoform 2 [Homo sapiens]	1.2
4162	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4163	M31061	Human ornithine decarboxylase gene, complete cds.	2e-023	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.002

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4164	M19980	M.fervidus gap gene encoding glyceraldehyde-3-phosphate dehydrogenase, complete cds.	0.4	1825606	(U88169) similar to molybdoterin biosynthesis MOEB proteins [Caenorhabditis elegans]	3e-057
4165	D17036	Human HepG2 partial cDNA, clone hmd3e08m5	5e-025	<NONE>	<NONE>	<NONE>
4166	L14714	C. elegans cosmid ZC97.	0.39	3874412	(Z70034) similarity to 35.1KD hypothetical yeast protein (Swiss Prot accession number P38805); cDNA EST CEMSE65F comes from this gene; cDNA EST EMBL:T01315 comes from this gene; cDNA EST yk452e10.3 comes from this gene; cDNA... 35.1KD hypothetical yeast p	1e-033
4167	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-008	<NONE>	<NONE>	<NONE>
4168	Z49867	Caenorhabditis elegans cosmid C33D3, complete sequence [Caenorhabditis elegans]	0.044	3876784	(Z81530) predicted using Genefinder	5.9
4169	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-010	3549676	(AL031394) putative protein	3.1
4170	D87001	Human (lambda) DNA for immunoglobulin light chain	0.36	3133246	(AB013170) NADH dehydrogenase subunit 5	2.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4171	M37191	Human ras inhibitor mRNA, partial cds.	e-122	107561	Ras inhibitor (clone JC310) - human sapiens]	3e-035
4172	AB018374	Mus musculus GARP34 mRNA, complete cds	2e-046	3724364	(AB018374) GARP34 [Mus musculus]	2e-008
4173	X62527	R.norvegicus gene for CNS-myelin proteolipid protein (exon 6)	1.2	1155068	(X94976) cell wall-plasma membrane linker protein	1.6
4174	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-008	2781355	(AC003113) F24O1.11 [Arabidopsis thaliana]	0.52
4175	AF002715	Homo sapiens MAP kinase kinase kinase (MTK1) mRNA, complete cds	e-168	2352277	(AF002715) MAP kinase kinase kinase [Homo sapiens]	1e-042
4176	U07807	Human metallothionein IV (MTIV) gene, complete cds.	0.047	<NONE>	<NONE>	<NONE>
4177	D11129	Pneumonia virus of mice gene 7	0.14	<NONE>	<NONE>	<NONE>
4178	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
4179	AF070557	Homo sapiens clone 24422 mRNA sequence	0	<NONE>	<NONE>	<NONE>
4180	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.005	<NONE>	<NONE>	<NONE>
4181	AF045765	Homo sapiens G protein-coupled receptor	9e-018	728833	!!!! ALU SUBFAMILY SB1 WARNING ENTRY	0.051
4182	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4183	X62162	B.burgdorferi gene for pC protein	0.41	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4184	Z81315	Human DNA sequence from fosmid F62D4 on chromosome 22q12-qter > :: emb Z81316 HSF 62D4A Human DNA sequence from fosmid F62D4 on chromosome 22, complete sequence	1.2	<NONE>	<NONE>	<NONE>
4185	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
4186	L08108	Human low-affinity Fc-receptor IIB gene, exons 4-7.	0.0006	462387	IMMEDIATE-EARLY PROTEIN IE180 herpesvirus 1 (strain Kaplan) >gi 334071 (M34651) immediate-early protein [Pseudorabies virus]	0.25
4187	AJ228330	Pinus pinaster reverse transcriptase gene of Line-retroelement (clone pPpLi1)	1.3	3108187	(AC004663) Notch 3 [Homo sapiens]	1.3
4188	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4189	AF048991	Homo sapiens MutS homolog 5 (MSH5) gene, exons 13 through 25 and complete cds	0.002	3986756	(AF109905) NG23 [Mus musculus]	0.066
4190	Z59608	H.sapiens CpG DNA, clone 165g8, reverse read cpg165g8.rtl.a .	2e-014	1055183	(U40061) Similar to sodium-dependent phosphate transporter. [Caenorhabditis elegans]	2.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4191	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
4192	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
4193	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	2128837	hypothetical protein MJ1401 - Methanococcus jannaschii >gi1592049 (U67580) putative ATP dependent RNA helicase [Methanococcus jannaschii]	7.6
4194	X99691	B.taurus DNA for agouti gene	9e-009	<NONE>	<NONE>	<NONE>
4195	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-008	306929	(M28696) IgG Fc receptor beta-Fc-gamma-RII [Homo sapiens]	0.64
4196	U37521	Sus scrofa E-selectin gene, complete cds	0.042	539800	calcium-activated potassium channel mSlo - mouse >gi347144 (L16912) mSlo [Mus musculus]	3.3
4197	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0002	<NONE>	<NONE>	<NONE>
4198	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0002	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4199	V01087	Hemagglutinin gene of influenza virus strain A/duck/Ukraine/1/63 > :: gb J02109 FLAH AMU Influenza A/duck/ukraine/1/63 (h3n8), hemagglutinin (seg 4), cdna.	0.18	4038537	(AL021106) 1-evidence=predicted by match; 1-match_accession=AA392988; 1-match_description=LD12167.5prime LD Drosophila melanogaster embryo BlueScript Drosophila melanogaster cDNA clone LD12167 5prime.; 1-match_species=Drosop...	8.5
4200	X83107	H.sapiens Bmx mRNA for cytoplasmic tyrosine kinase	0.38	1147597	(U31221) viscerotropic leishmaniasis antigen [Leishmania tropica]	3.3
4201	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.9
4202	X71642	M.musculus GEG-154 mRNA	3.5	2760302	(D89374) hypothetical protein [Vibrio cholerae O139 fs1 phage]	1.3
4203	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.7
4204	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	1574918	(U19728) organic anion transporter [Raja erinacea]	5.8
4205	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4206	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	<NONE>	<NONE>	<NONE>
4207	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
4208	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	<NONE>	<NONE>	<NONE>
4209	U50523	Human BRCA2 region, mRNA sequence CG037	0	3121764	ARP2/3 COMPLEX 34 KD SUBUNIT	9e-026
4210	X80909	H.sapiens alpha NAC mRNA	8e-050	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.9
4211	AF039955	Homo sapiens liver CC chemokine-1 precursor	7e-006	<NONE>	<NONE>	<NONE>
4212	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.6
4213	L35670	Homo sapiens (subclone H8 10_g5 from P1 35 H5 C8) DNA sequence.	7e-017	<NONE>	<NONE>	<NONE>
4214	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
4215	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4216	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4217	L33354	Lobostemon fruticosus Buek chloroplast trnL(UAA)- trnF(GAA) intergenic spacer DNA.	0.35	1483615	(Z77856) beta- glucosidase [Thermotoga neapolitana]	9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4218	Z12112	pWE15A cosmid vector DNA	5e-033	987050	(X65335) lacZ gene product [unidentified cloning vector]	4e-008
4219	X65279	pWE15 cosmid vector DNA	2e-079	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
4220	AF052165	Homo sapiens clone 24522 mRNA sequence	e-170	2065177	(Y12790) Supt5h protein [Homo sapiens] sapiens]	1e-059
4221	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
4222	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.9
4223	AF055024	Homo sapiens clone 24763 mRNA sequence	0	<NONE>	<NONE>	<NONE>
4224	S39048	knob associated histidine-rich protein KAHRP	0.39	<NONE>	<NONE>	<NONE>
4225	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	<NONE>	<NONE>	<NONE>
4226	U34377	Human tyrosine kinase TXK (txk) gene, exon 13.	2e-028	1709347	SERINE/THREONINE-PROTEIN KINASE NRK2 (SERINE/THREONINE KINASE 2) >gi 348245 (L20321) protein serine/threonine kinase [Homo sapiens]	8e-008

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4227	U25748	Pan troglodytes epididymal secretory protein precursor (EPI-1) mRNA, complete cds.	0	3182993	EPIDIDYMAL SECRETORY PROTEIN E1 PRECURSOR (EPI-1) (HE1) (EPIDIDYMAL SECRETORY PROTEIN 14.6) (ESP14.6) >gi 106343 pir S25641 hypothetical protein - human >gi 2134519 pir I53929 epididymal secretory protein 14.6 - crab-eating macaque human >gi 37477 (X676	7e-040
4228	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4229	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.017	<NONE>	<NONE>	<NONE>
4230	X74929	H.sapiens KRT8 mRNA for keratin 8	6e-036	<NONE>	<NONE>	<NONE>
4231	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-007	<NONE>	<NONE>	<NONE>
4232	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6
4233	U41010	Caenorhabditis elegans cosmid T05A12	4.2	<NONE>	<NONE>	<NONE>
4234	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-007	1363925	hypothetical protein 2 - North American opossum (fragment) >gi 897721 (Z48955) ORF-2, putative RT [Didelphis	4.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					virginiana]	
4235	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	439493	(D26086) zinc- finger protein [Petunia x hybrida]	8.5
4236	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	2501599	HYPOTHETICAL 29.1 KD PROTEIN W06E11.4 IN CHROMOSOME III >gi 669022 (U20862) W06E11.4 gene product [Caenorhabditis elegans]	0.002
4237	X94118	P.falciparum PK4 gene	1.2	<NONE>	<NONE>	<NONE>
4238	Z18944	S.cerevisiae BDF1 gene	7.30E-01	2119161	unknown - chicken (fragment) >gi 537433	0.61
4239	AF031939	Mus musculus RalBP1- associated EH domain protein Reps1 (reps1) mRNA, complete cds	e-154	2677843	(AF031939) RalBP1-associated EH domain protein Reps1	5e-016
4240	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.9
4241	L35566	Gallus gallus homeobox protein (LH-2) mRNA, complete cds.	3e-044	1708809	HOMEBOX PROTEIN LH-2 >gi 508712	4e-021
4242	Z83086	H.sapiens Fanconi anaemia group A gene, exon 29	3.00E-07	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4243	U63810	Homo sapiens WD40 protein Ciao 1 mRNA, complete cds	0.00E+00	3219331	(AC004020) Unknown gene product [Homo sapiens]	1e-096
4244	U15110	Mycoplasma capricolum ptsI- crr operon phosphocarrier protein enzyme I (ptsI) and phosphocarrier protein enzyme IIA (crr) genes, complete cds, and lipopolysaccharide biosynthesis (kdtB) gene, complete cds.	1.1	<NONE>	<NONE>	<NONE>
4245	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4246	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-011	730888	OCTAPEPTIDE- REPEAT PROTEIN T2	1.4
4247	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.074	<NONE>	<NONE>	<NONE>
4248	AJ224152	Plasmodium berghei gene encoding cdc2- related kinase 2	0.54	<NONE>	<NONE>	<NONE>
4249	M24971	D.discoideum CT-rich satellite rDNA, clone pCT11.	2e-008	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	2e-009
4250	Z72969	S.cerevisiae chromosome VII reading frame ORF YGR184c	1.2	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4251	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4252	AJ224326	Homo sapiens mRNA for putative ribulose-5-phosphate-epimerase, partial cds	0	<NONE>	<NONE>	<NONE>
4253	U45245	Homo sapiens paired-box protein PAX2 (PAX2) gene, promoter and exon 1	2.1	<NONE>	<NONE>	<NONE>
4254	AE001157	Borrelia burgdorferi (section 43 of 70) of the complete genome	0.63	<NONE>	<NONE>	<NONE>
4255	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.8
4256	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0005	2773162	(AF039595) sulfonylurea receptor 1B [Rattus norvegicus]	9.6
4257	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-009	<NONE>	<NONE>	<NONE>
4258	L11130	Influenza A/gull/MD/19/77 (H2N8) hemagglutinin	0.67	<NONE>	<NONE>	<NONE>
4259	AB018270	Homo sapiens mRNA for KIAA0727 protein, partial cds	0	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3
4260	U67494	Methanococcus jannaschii section 36 of 150 of the complete genome	0.014	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4261	L09209	Homo sapiens amyloid protein homologue mRNA, complete cds > :: gb I13782 I13782 Sequence 12 from patent US 5441931 > :: gb I68752 I68752 Sequence 12 from patent US 5677146	6e-089	<NONE>	<NONE>	<NONE>
4262	M27866	Human retinoblastoma susceptibility protein gene, exon 27. > :: gb I09392 Sequence 25 from Patent WO 8906703	e-158	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.7
4263	U59629	Human transcription factor LZIP-alpha mRNA, complete cds	1e-052	2828799	(U55386) unknown [Anabaena PCC7120]	0.097
4264	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	3176395	(AB015041) PIF1 [Caenorhabditis elegans]	3e-005
4265	AF069250	Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds	2e-068	3037018	(AF041330) NADH dehydrogenase subunit 5 [Bodo saltans]	0.002
4266	M11560	Human aldolase A mRNA, complete cds.	0.00E+00	113606	FRUCTOSE-BISPHOSPHATE ALDOLASE A fructose-bisphosphate aldolase (EC 4.1.2.13) A - human sapiens]	5e-055

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4267	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-009	<NONE>	<NONE>	<NONE>
4268	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-005	2688708	(AE001176) conserved hypothetical protein [Borrelia burgdorferi]	8.5
4269	L35566	Gallus gallus homeobox protein (LH-2) mRNA, complete cds.	6e-041	1708809	HOMEBOX PROTEIN LH-2 >gi 508712	7e-019
4270	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1.00E-11	1709997	DNA REPAIR PROTEIN RAD18 >gi 1150622 protein rad18 [Schizosaccharom yces pombe]	6e-027
4271	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-009	586442	NUCLEOPORIN NUP170 (NUCLEAR PORE PROTEIN NUP170) >gi 626192 pir S4 5429 probable membrane protein YBL079w - yeast (Saccharomyces cerevisiae) cerevisiae] >gi 536127 (Z35840) ORF YBL079w	0.44
4272	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-013	<NONE>	<NONE>	<NONE>
4273	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4274	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4275	X00334	Drosophila virilis simple DNA sequence (pDv-19)	6e-010	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	2e-016
4276	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
4277	AF069250	Homo sapiens okadaic acid- inducible phosphoprotein (OA48-18) mRNA, complete cds	2e-068	3037018	(AF041330) NADH dehydrogenase subunit 5 [Bodo saltans]	0.002
4278	Y10183	H.sapiens mRNA for MEMD protein	e-162	<NONE>	<NONE>	<NONE>
4279	D86960	Human mRNA for KIAA0205 gene, complete cds	2e-078	<NONE>	<NONE>	<NONE>
4280	X65319	Cloning vector pCAT-Enhancer	3e-081	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
4281	X86693	H.sapiens mRNA for hevin like protein	0.18	<NONE>	<NONE>	<NONE>
4282	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0001	<NONE>	<NONE>	<NONE>
4283	M33156	A.aegypti D7 gene, exons 1-5.	1.30E+00	<NONE>	<NONE>	<NONE>
4284	X02317	Human mRNA for Cu/Zn superoxide dismutase (SOD)	0	218564	(D90358) HB- SOD [Schizosaccharom yces pombe]	7e-032

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4285	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-04	<NONE>	<NONE>	<NONE>
4286	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-04	<NONE>	<NONE>	<NONE>
4287	X02317	Human mRNA for Cu/Zn superoxide dismutase (SOD)	0	134611	SUPEROXIDE DISMUTASE (CU-ZN) dismutase (aa 1- 154) [Homo sapiens] >gi 338276 (K00065) superoxide dismutase [Homo sapiens] >gi 1237407 (L44139) Cu/Zn- superoxide dismutase [Homo sapiens]	2e-079
4288	X04408	Human mRNA for coupling protein G(s) alpha subunit adenylyl cyclase)	0	386748	(M14631) guanine nucleotide-binding protein alpha subunit	2e-073
4289	M28161	Rabbit MHC class II RLA-DR- alpha gene, complete cds.	2.4	<NONE>	<NONE>	<NONE>
4290	U33956	Human Down Syndrome region of chromosome 21, genomic sequence, clone A12H1-1F8.	0.37	<NONE>	<NONE>	<NONE>
4291	U90331	Mus musculus neural plakophilin related arm- repeat protein (NPRAP) mRNA, complete cds	0.15	135063	SUPPRESSOR OF SABLE PROTEIN fruit fly (Drosophila melanogaster) >gi 158517 (M57889) su(s) protein	5.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					[Drosophila melanogaster]	
4292	AF045531	Homo sapiens germline chromosome 22, 22q11.2 region	0.005	<NONE>	<NONE>	<NONE>
4293	D86960	Human mRNA for KIAA0205 gene, complete cds	2e-078	<NONE>	<NONE>	<NONE>
4294	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
4295	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	5.00E-03	<NONE>	<NONE>	<NONE>
4296	U17073	Neurospora crassa frequency (frq) mRNA, complete cds.	0.041	3152938	(AF065482) sorting nexin 2 [Homo sapiens]	0.83
4297	M93051	Pisum sativum ascorbate peroxidase (ApxI) gene, complete cds.	0.2	<NONE>	<NONE>	<NONE>
4298	U28153	Caenorhabditis elegans UNC-76 (unc-76) gene, complete cds.	0.37	<NONE>	<NONE>	<NONE>
4299	U28153	Caenorhabditis elegans UNC-76 (unc-76) gene, complete cds.	0.37	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4300	U20240	Human C/EBP gamma mRNA, complete cds > :: gb G28590 G28590 human STS SHGC-35371.	e-141	1705750	CCAAT/ENHANCER BINDING PROTEIN GAMMA (C/EBP GAMMA) >gi 1363931 pir JC4243 transcription CCAAT enhancer binding protein-gamma - human >gi 727294 (U20240) C/EBP gamma [Homo sapiens]	1e-011
4301	Y16359	Calonectris diomedea random amplified polymorphic DNA, clone Cd-O8f1	4e-075	595780	(U13871) lacZ alpha peptide [Cloning vector]	0.0001
4302	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-013	<NONE>	<NONE>	<NONE>
4303	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4304	U90331	Mus musculus plakophilin related arm-repeat protein (NPRAP) mRNA, complete cds	0.15	135063	SUPPRESSOR OF CABLE PROTEIN fruit fly (Drosophila melanogaster) >gi 158517 (M57889) su(s) protein [Drosophila melanogaster]	5.2
4305	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4306	D86960	Human mRNA for KIAA0205 gene, complete cds	0	1653865	(D90917) UDP-N-acetylglucosamine -N-acetylmuramyl-(pentapeptide) pyrophosphoryl - undecaprenol N-acetylglucosamine transferase [Synechocystis sp.]	4.40E+00

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4307	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-013	4105520	(AF046933) carboxysome structural polypeptide	2.4
4308	Y14723	Choanomphalus incertus mitochondrial cytochrome c oxidase subunit I gene, partial	0.36	<NONE>	<NONE>	<NONE>
4309	AB018327	Homo sapiens mRNA for KIAA0784 protein, partial cds	0	3882289	(AB018327) KIAA0784 protein [Homo sapiens]	4e-041
4310	AB007860	Homo sapiens KIAA0400 mRNA, complete cds	0	<NONE>	<NONE>	<NONE>
4311	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4312	U96440	Drosophila melanogaster cut gene, partial sequence	0.053	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi 1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	0.0004
4313	X64707	H.sapiens BBC1 mRNA	3e-090	1350662	60S RIBOSOMAL PROTEIN L13 (A52)	2e-025
4314	U67522	Methanococcus jannaschii section 64 of 150 of the complete genome	0.38	<NONE>	<NONE>	<NONE>
4315	M11560	Human aldolase A mRNA, complete cds.	0.00E+00	113606	FRUCTOSE- BISPHOSPHATE ALDOLASE A fructose- bisphosphate aldolase (EC 4.1.2.13) A - human sapiens]	5e-055

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4316	X92098	H.sapiens mRNA for transmembrane protein mp24	e-123	3914237	COP-COATED VESICLE MEMBRANE PROTEIN P24 PRECURSOR (P24A) (RNP24) >gi 1212965 gnl PI D e205529	1e-017
4317	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4318	D86960	Human mRNA for KIAA0205 gene, complete cds	0	1653865	(D90917) UDP-N-acetylglucosamine -N-acetylmuramyl- (pentapeptide) pyrophosphoryl - undecaprenol N-acetylglucosamine transferase [Synechocystis sp.]	4.40E+00
4319	M83094	Homo sapiens cytosolic selenium-dependent glutathione peroxidase gene, complete cds, and rhoh12 gene, 3' end.	0.00E+00	<NONE>	<NONE>	<NONE>
4320	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5e-015	<NONE>	<NONE>	<NONE>
4321	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
4322	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	3.3	<NONE>	<NONE>	<NONE>
4323	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1.40E-02	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4324	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4325	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	<NONE>	<NONE>	<NONE>
4326	AF088034	Homo sapiens full length insert cDNA clone ZC24F03	0	854598	(X87611) ORF YJR83.18 [Saccharomyces cerevisiae]	2e-024
4327	U47322	Cloning vector DNA, complete sequence.	6.00E-06	<NONE>	<NONE>	<NONE>
4328	U47322	Cloning vector DNA, complete sequence.	6.00E-06	<NONE>	<NONE>	<NONE>
4329	D86960	Human mRNA for KIAA0205 gene, complete cds	0.00E+00	1653865	(D90917) UDP-N-acetylglucosamine-N-acetylmuramyl-(pentapeptide) pyrophosphoryl - undecaprenol N-acetylglucosamine transferase [Synechocystis sp.]	1.4
4330	Z70316	D.melanogaster mRNA for tyramine-beta-hydroxylase	1.5	<NONE>	<NONE>	<NONE>
4331	L28010	Homo sapiens HnRNP F protein mRNA, complete cds	3e-070	1710628	HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN F (HNRNP F) >gi 631210 pir S43484 hnRNP F protein - human >gi 452048 (L28010) HnRNP F protein [Homo sapiens]	2e-005
4332	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1.40E-01	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4333	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.13	<NONE>	<NONE>	<NONE>
4334	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.004	1723286	VERY HYPOTHETICAL 11.9 KD PROTEIN C4H3.12C IN CHROMOSOME I >gi1184025 (Z69380) unknown	3.1
4335	<NONE>	<NONE>	<NONE>	2314752	(AE000654) rare lipoprotein A (rlpA) [Helicobacter pylori]	7.3
4336	AB007963	Homo sapiens mRNA for KIAA0494 protein, complete cds	8e-078	3413938	(AB007963) KIAA0494 protein [Homo sapiens]	1.00E-11
4337	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4338	X12597	Human mRNA for high mobility group-1 protein	3e-048	123371	HIGH MOBILITY GROUP PROTEIN HMG1 protein HMG-1 - pig >gi164490 (M21683) non-histone protein HMG1 [Sus scrofa]	0.006
4339	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-013	2853095	(AL021767) very hypothetical protein	0.043
4340	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-007	<NONE>	<NONE>	<NONE>
4341	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-006	3063453	(AC003981) F22O13.15 [Arabidopsis thaliana]	4.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4342	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4.00E-11	231629	BILE-SALT- ACTIVATED LIPASE PRECURSOR ESTER LIPASE) (STEROL ESTERASE) (CHOLESTEROL ESTERASE) salt- activated lipase [Homo sapiens] sapiens]	9.6
4343	L31732	Human STS UT643, 5' primer bind.	1.6	<NONE>	<NONE>	<NONE>
4344	AF037332	Homo sapiens Eph-like receptor tyrosine kinase hEphB1b (EphB1) mRNA, complete cds	0.66	<NONE>	<NONE>	<NONE>
4345	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4346	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2.00E-05	<NONE>	<NONE>	<NONE>
4347	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-007	<NONE>	<NONE>	<NONE>
4348	Z30961	H.sapiens DNA for Mhc Alu elements	7.00E-17	728835	!!!! ALU SUBFAMILY SC WARNING ENTRY	0.5
4349	U34887	Yeast integrating vector pRS306 containing a fragment of lacZ.	7e-068	3152967	(Y14016) hypothetical protein	9
4350	D28124	Human mRNA for unknown product, complete cds	0	1825638	(U88172) similar to protein-tyrosine phosphatase	0.062
4351	AF069503	Carcharhinus plumbeus microsatellite repeat region	4.20E+00	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4352	AF069503	Carcharhinus plumbeus microsatellite repeat region	4.20E+00	<NONE>	<NONE>	<NONE>
4353	D10848	Alkalophilic Bacillus sp. genomic DNA for lipo-penicillinase	0.033	<NONE>	<NONE>	<NONE>
4354	D28124	Human mRNA for unknown product, complete cds	0	1825638	(U88172) similar to protein-tyrosine phosphatase	0.062
4355	U19482	Mus musculus C10-like chemokine mRNA, complete cds	3.70E+00	<NONE>	<NONE>	<NONE>
4356	AF050068	Homo sapiens growth arrest specific 11	1.4	1916844	(U82987) Bcl-2 binding component 3 [Homo sapiens]	0.042
4357	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
4358	AE000026	Mycoplasma pneumoniae section 26 of 63 of the complete genome	1.3	<NONE>	<NONE>	<NONE>
4359	<NONE>	<NONE>	<NONE>	2114321	(D88733) membrane glycoprotein [Equine herpesvirus 1]	8.00E-01
4360	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4361	Y07660	M.tuberculosis accBC gene	2e-068	465847	HYPOTHETICAL 66.5 KD PROTEIN F02A9.5 IN CHROMOSOME III >gi 280542 pir S2 8313 hypothetical protein F02A9.5 - Caenorhabditis elegans Genefinder; similar to Propionyl-CoA carboxylase beta chain; cDNA EST EMBL:M89018 comes from this gene; cDNA EST EMBL:D2806	4e-079
4362	U12022	Human calmodulin (CALM1) gene, exons 2,3,4,5 and 6, and complete cds	e-127	<NONE>	<NONE>	<NONE>
4363	AC001178	Homo sapiens (subclone 2_g12 from BAC H94) DNA sequence	3.00E-28	<NONE>	<NONE>	<NONE>
4364	<NONE>	<NONE>	<NONE>	4063042	(AF068065) GP900; mucin-like glycoprotein [Cryptosporidium parvum]	0.52
4365	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4366	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1.00E-12	<NONE>	<NONE>	<NONE>
4367	X14448	Human GLA gene for alpha-D-galactosidase A (EC 3.2.1.22)	3	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4368	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	5.00E-04	3873753	(Z66519) similar to phytoene synthase precursor; cDNA EST yk340f7.3 comes from this gene; cDNA EST yk340f7.5 comes from this gene [Caenorhabditis elegans]	2e-008
4369	X04098	Human mRNA for cytoskeletal gamma-actin	0	<NONE>	<NONE>	<NONE>
4370	M13452	Human lamin A mRNA, 3'end.	0	125962	LAMIN A (70 KD LAMIN)	3e-057
4371	AF068863	Homo sapiens oligodendrocyte-specific protein	3.4	<NONE>	<NONE>	<NONE>
4372	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1.40E-01	<NONE>	<NONE>	<NONE>
4373	L04636	Homo sapiens pre-mRNA splicing factor 2 p32 subunit (SF2p32) mRNA, complete cds.	0	730772	COMPLEMENT COMPONENT 1, Q SUBCOMPONENT BINDING PROTEIN PRECURSOR (GLYCOPROTEIN GC1QBP) (GC1Q-R PROTEIN) (HYALURONAN-BINDING PROTEIN 1) chain precursor - human >gi 338045 (L04636) splicing factor [Homo sapiens] >gi 472956 (X75913) gClq-R [Homo sapiens] >gi	2e-050
4374	M59832	Human merosin mRNA, 3' end.	0.043	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4375	<NONE>	<NONE>	<NONE>	188864	(M74027) mucin [Homo sapiens]	0.042
4376	X17206	Human mRNA for LLRep3	0	88570	ribosomal protein S2 - human (fragment) sapiens]	6e-078
4377	X17206	Human mRNA for LLRep3	0	88570	ribosomal protein S2 - human (fragment) sapiens]	6e-078
4378	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4379	X98420	S.shibatae topR gene	1.10E+00	2746890	(AF040655) No definition line found [Caenorhabditis elegans]	9.3
4380	X98420	S.shibatae topR gene	1.10E+00	2746890	(AF040655) No definition line found [Caenorhabditis elegans]	9.3
4381	X75787	P.falciparum (FAF-2) mRNA for aspartic hemoglobinase	4	<NONE>	<NONE>	<NONE>
4382	AF044209	Homo sapiens nuclear receptor co-repressor N- CoR mRNA, complete cds	0	3510603	(AF044209) nuclear receptor co-repressor N- CoR [Homo sapiens]	4e-029
4383	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4384	X64707	H.sapiens BBC1 mRNA	e-110	1350662	60S RIBOSOMAL PROTEIN L13 (A52)	0.003
4385	Z70316	D.melanogaster mRNA for tyramine-beta- hydroxylase	1.5	<NONE>	<NONE>	<NONE>
4386	AF000371	Vitis vinifera UDP glucose:flavonoid 3-o- glucosyltransferase mRNA, partial cds	0.19	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4387	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.8
4388	AE000688	Aquifex aeolicus section 20 of 109 of the complete genome	3.8	<NONE>	<NONE>	<NONE>
4389	L05612	Dictyostelium purpureum DNA sequence, repeat region.	2.8	<NONE>	<NONE>	<NONE>
4390	U33761	Human cyclin A/CDK2- associated p45 (Skp2) mRNA, complete cds	2e-079	2134952	cyclin A/CDK2- associated p45 - human sapiens]	1e-025
4391	U48288	Rattus norvegicus A-kinase anchoring protein AKAP 220 mRNA, complete cds	0.48	<NONE>	<NONE>	<NONE>
4392	AB007963	Homo sapiens mRNA for KIAA0494 protein, complete cds	0.00E+00	3413938	(AB007963) KIAA0494 protein [Homo sapiens]	6e-071
4393	<NONE>	<NONE>	<NONE>	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	6e-027
4394	U52784	Ansonia muelleri CMNH H1476 16S rRNA gene, mitochondrial gene encoding mitochondrial rRNA, partial sequence	0.014	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4395	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4396	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4397	U38376	Rattus norvegicus cytosolic phospholipase A2 mRNA, complete cds	1.1	<NONE>	<NONE>	<NONE>
4398	U78770	Mus musculus spasmodic polypeptide (mSP) gene, complete cds	0.028	<NONE>	<NONE>	<NONE>
4399	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.12	<NONE>	<NONE>	<NONE>
4400	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-014	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.8
4401	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0003	<NONE>	<NONE>	<NONE>
4402	X70288	H.sapiens gene for thioredoxin, exons 4 and 5	3e-030	<NONE>	<NONE>	<NONE>
4403	X76683	Plasmid vector pHM2 betalactamase gene	7e-080	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
4404	X69295	H.sapiens MSX2 mRNA for transcription factor	0.43	<NONE>	<NONE>	<NONE>
4405	U20371	Mus musculus homeobox protein (Hoxa11) gene, complete cds.	0.6	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4406	D49842	Rabbit mRNA for CD86, complete cds	1.10E+00	135554	TETRACYCLINE RESISTANCE PROTEIN Bacillus cereus plasmid pBC16 >gi 72838 pir YTS OG tetracycline resistance protein - Streptococcus agalactiae plasmid pMV158 >gi 80428 pir JQ1 211 tetracycline resistance protein - Bacillus sp. plasmid pTB19 >gi 151696 (M63	1.4
4407	AB007194	Oryza sativa mRNA for fructose-1,6-bisphosphatase (plastidic isoform), complete cds	3.5	<NONE>	<NONE>	<NONE>
4408	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1e-007	<NONE>	<NONE>	<NONE>
4409	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4410	U28924	Pisum sativum cytosolic glutamine synthetase	0.008	3769486	(AF074946) DNA polymerase [hemorrhagic enteritis virus]	1.3
4411	D30783	Homo sapiens mRNA for epiregulin, complete cds	0	1723438	HYPOTHETICAL 52.3 KD PROTEIN C56F8.06C IN CHROMOSOME I PRECURSOR >gi 1204228 (Z69728) unknown [Schizosaccharom yces pombe]	0.13
4412	AJ012449	Homo sapiens mRNA for NS1-binding protein	0	3851214	(AJ012449) NS1-binding protein [Homo sapiens]	4e-088

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4413	X62357	H.sapiens Alu repeat (clones 2-48)	1e-006	<NONE>	<NONE>	<NONE>
4414	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6.00E-05	<NONE>	<NONE>	<NONE>
4415	Z15015	D.pulex mitochondrion genes for NADH dehydrogenase subunit 2, cytochrome C oxidase subunit I, tRNA-Val, tRNA-Ile, tRNA-Gln, tRNA-fMet, tRNA-Trp, tRNA-Cys, tRNA-Tyr, small subunit rRNA, large subunit rRNA	2.2	1076802	extensin-like protein - maize >gi 600118	8e-027
4416	D87942	Homo sapiens mRNA for alpha(1,2)fucosyl transferase, complete cds	2e-027	728838	!!!! ALU SUBFAMILY SX WARNING ENTRY	7.5
4417	D86977	Human mRNA for KIAA0224 gene, complete cds	0	3024898	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE KIAA0224 (HA4657) putative ATP-dependent RNA helicase K03H1.2 of C.elegans(S41025) [Homo sapiens] >gi 3123906 (AF038391) pre-mRNA splicing factor [Homo sapiens]	2e-053

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4418	L28010	Homo sapiens HnRNP F protein mRNA, complete cds	0	1710628	HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN F (HNRNP F) >gi 631210 pir S4 3484 hnRNP F protein - human >gi 452048 (L28010) HnRNP F protein [Homo sapiens]	5e-045
4419	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
4420	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
4421	X14313	Arabidopsis CRB gene for 12S seed storage protein > gene, exons 1-4.	0.24	<NONE>	<NONE>	<NONE>
4422	X14313	Arabidopsis CRB gene for 12S seed storage protein > gene, exons 1-4.	0.24	<NONE>	<NONE>	<NONE>
4423	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
4424	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	3.00E-08	1125753	(U42833) coded for by C. elegans cDNA CEESN37F; Similar to ammonium transport protein. [Caenorhabditis elegans]	1e-019
4425	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-05	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4426	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	1125753	(U42833) coded for by C. elegans cDNA CEESN37F; Similar to ammonium transport protein. [Caenorhabditis elegans]	2e-008
4427	AF053649	Homo sapiens cellular apoptosis susceptibility protein (CSE1) gene, exons 15 and 16	3e-008	<NONE>	<NONE>	<NONE>
4428	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1e-007	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	8.8
4429	X94253	S.scrofa mRNA for heterogeneous nuclear ribonucleoprotein	6e-023	<NONE>	<NONE>	<NONE>
4430	AF005039	Homo sapiens secretory carrier membrane protein	0	2232243	(AF005039) secretory carrier membrane protein [Homo sapiens]	8e-008
4431	AF037332	Homo sapiens Eph-like receptor tyrosine kinase hEphB1b (EphB1) mRNA, complete cds	0.12	3861156	(AJ235272) unknown [Rickettsia prowazekii]	0.37
4432	D28124	Human mRNA for unknown product, complete cds	7e-067	<NONE>	<NONE>	<NONE>
4433	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-013	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4434	M93426	Human protein tyrosine phosphatase zeta-polypeptide (PTPRZ) mRNA, complete cds. > :: gb G20044 G20044 sWSS1987 Eric D. Green Homo sapiens STS genomic, sequence tagged site [Homo sapiens]	0	400199	PROTEIN-TYROSINE PHOSPHATASE ZETA PRECURSOR (R-PTP-ZETA) >gi 476869 pir A46151 protein-tyrosine-phosphatase (EC 3.1.3.48), receptor type zeta - human >gi 190744 (M93426) protein tyrosine phosphatase zeta-polypeptide [Homo sapiens]	4e-051
4435	U54562	Human translation initiation factor eIF3 p48 subunit (Int-6) mRNA, complete cds	0	2498490	VIRAL INTEGRATION SITE PROTEIN INT-6 >gi 1854579 (L35556) Int-6 [Mus musculus] sapiens] >gi 2351382 (U54562) eIF3-p48 [Homo sapiens] sapiens]	e-110
4436	U54562	Human translation initiation factor eIF3 p48 subunit (Int-6) mRNA, complete cds	0	2498490	VIRAL INTEGRATION SITE PROTEIN INT-6 >gi 1854579 (L35556) Int-6 [Mus musculus] sapiens] >gi 2351382 (U54562) eIF3-p48 [Homo sapiens] sapiens]	e-110
4437	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.12	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4438	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-009	<NONE>	<NONE>	<NONE>
4439	X03558	Human mRNA for elongation factor 1 alpha subunit	0	1169475	ELONGATION FACTOR 1- ALPHA 1	4e-083
4440	J03607	Human 40-kDa keratin intermediate filament precursor gene.	0	1070608	keratin 19, type I, cytoskeletal - human sapiens]	4e-058
4441	<NONE>	<NONE>	<NONE>	4063042	(AF068065) GP900; mucin-like glycoprotein [Cryptosporidium parvum]	0.011
4442	<NONE>	<NONE>	<NONE>	4063042	(AF068065) GP900; mucin-like glycoprotein [Cryptosporidium parvum]	0.011
4443	Y13401	Homo sapiens CD3 delta gene, enhancer sequence	8e-008	<NONE>	<NONE>	<NONE>
4444	X04409	Human mRNA for coupling protein G(s) alpha-subunit (alpha-S1) (stimulatory regulatory component Gs of adenylyl cyclase)	0	71879	GTP-binding regulatory protein Gs alpha chain G- s-alpha-4 [Homo sapiens]	7e-092
4445	AF038958	Homo sapiens synaptic glycoprotein SC2 spliced variant mRNA, complete cds	1e-072	3329386	(AF038958) synaptic glycoprotein SC2 spliced variant	6e-019
4446	D17244	Human HepG2 3' region Mbol cDNA, clone hmd4h04m3	1e-075	2500256	50S RIBOSOMAL PROTEIN L13 protein L13 [Streptomyces coelicolor]	0.043

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4447	<NONE>	<NONE>	<NONE>	4063042	(AF068065) GP900; mucin-like glycoprotein [Cryptosporidium parvum]	0.005
4448	M24597	Beet curly top virus (clone pBCT028) DNA, complete genome.	4.1	<NONE>	<NONE>	<NONE>
4449	U59706	Gallus gallus alternatively spliced AMPA glutamate receptor, isoform GluR2 flop, (GluR2) mRNA, partial cds.	0.014	3283975	(AF072521) poly- (ADPriboseyl)- transferase homolog PARP	0.02
4450	AJ010014	Homo sapiens mRNA for M96A protein	0	3342452	(AF072814) PHD finger DNA binding protein isoform 1	2e-029
4451	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4452	X06960	Aspergillus nidulans mitochondrial DNA for cytochrome oxidase subunit 3, tRNA-Tyr	0.23	<NONE>	<NONE>	<NONE>
4453	L01089	Human profilaggrin (FLG) gene exons 2-3, 5'end.	1.3	<NONE>	<NONE>	<NONE>
4454	X65319	Cloning vector pCAT-Enhancer	1e-071	987050	(X65335) lacZ gene product [unidentified cloning vector]	1e-014
4455	X87212	H.sapiens mRNA for cathepsin C	0	1582221	prepro-cathepsin C [Homo sapiens]	6e-046
4456	X53123	Cloning vector pAST 19a for C. elegans	5	<NONE>	<NONE>	<NONE>
4457	D15057	Human mRNA for DAD-1, complete cds	0	2944452	(AF051310) defender against death 1 [Mus musculus]	1e-015

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4458	X83860	H.sapiens mRNA for prostaglandin E receptor (EP3c)	1.2	2137044	unknown protein - rabbit (fragment) cuniculus]	7e-014
4459	M95058	Rattus rattus steroid 5-alpha-reductase 2 mRNA, complete cds.	0.42	<NONE>	<NONE>	<NONE>
4460	AF044588	Homo sapiens protein regulating cytokinesis 1	2e-043	2865521	(AF044588) protein regulating cytokinesis 1; PRC1 [Homo sapiens]	4e-015
4461	X54282	Human chromosome 11 DNA, approx. 20 kb 3' of beta-globin gene, nuclear scaffold associated region	0.014	1911867	cadherin 3 [Caenorhabditis elegans, Peptide, 3337 aa]	9.8
4462	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	3875640	(Z92781) F09C3.3 [Caenorhabditis elegans]	9.6
4463	M73791	Human novel gene mRNA, complete cds.	0	1172810	60S RIBOSOMAL PROTEIN L10 (QM PROTEIN HOMOLOG) >gi 543339 pir JC 2013 ribosomal protein L10, cytosolic - mouse >gi 2143959 pir J C4911 ribosomal protein L10 - rat >gi 407466 (X75312) QM protein [Mus musculus] >gi 410742 (M93980) 24.6 kda protein [Mus musc	7e-085
4464	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4465	Z27116	S.cerevisiae HBS1, MRP-L20 and PRP-16 genes	0.058	<NONE>	<NONE>	<NONE>
4466	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4467	M96575	Drosophila melanogaster collagen type IV gene, complete cds.	3.60E+00	<NONE>	<NONE>	<NONE>
4468	D50010	Human DNA for alpha-platelet-derived growth factor receptor, exon 15	1e-006	<NONE>	<NONE>	<NONE>
4469	X70649	Homo sapiens DDX1 gene, complete CDS	0	539572	DEAD box protein RB - human	3e-036
4470	AJ223377	Puumala virus S-segment RNA	1.4	<NONE>	<NONE>	<NONE>
4471	Y14599	Staphylococcus xylosus lacR, lacP, lacH genes and 2 ORF's	1.4	3659505	(AC005084) similar to mouse mCASK-A; similar to e1288039	0.63
4472	X13336	Spinach plastid genes rps3, rps19, rpl14, rpl16 and rpl22 for ribosomal proteins S3, S19, L14, L16 and L22	0.15	1330375	(U58758) similar to rat GAP-associated protein p190	0.27
4473	AF056022	Homo sapiens p60 katanin mRNA, complete cds	0	3283072	(AF056022) p60 katanin [Homo sapiens]	7e-029
4474	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
4475	M86849	Human connexin 26 (GJB2) mRNA.	0	127542	ALDOSE 1-EPIMERASE PRECURSOR calcoaceticus]	5.2
4476	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4477	X95455	G.gallus mRNA for RING zinc finger	9e-031	1321818	(X95455) RING zinc finger protein protein [Gallus	9e-038

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					gallus]	
4478	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.13	<NONE>	<NONE>	<NONE>
4479	J03607	Human 40-kDa keratin intermediate filament precursor gene.	0	1070608	keratin 19, type I, cytoskeletal - human sapiens]	9e-068
4480	M90104	Human splicing factor SC35 mRNA, complete cds.	e-120	3929382	SPLICING FACTOR, ARGININE/SERINE-RICH 10 (PUTATIVE MYELIN REGULATORY FACTOR 1) (MRF-1) >gi 555924 (U14648) putative myelin regulatory factor 1; MRF-1 [Mus musculus]	1.1
4481	AF020762	Homo sapiens clone 1400 unknown protein mRNA, partial cds	6e-067	<NONE>	<NONE>	<NONE>
4482	AE001386	Plasmodium falciparum chromosome 2, section 23 of 73 of the complete sequence	0.72	<NONE>	<NONE>	<NONE>
4483	AF054868	Pseudomonas aeruginosa autoinducer synthetase chloramphenicol-sensitive protein (rarD), and hypothetical protein (yafL) gene...	0.005	1709793	SALIVARY PROLINE-RICH PROTEIN PO sapiens]	0.13
4484	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4485	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4486	AE001406	Plasmodium falciparum chromosome 2, section 43 of 73 of the complete sequence	0.001	<NONE>	<NONE>	<NONE>
4487	AE001417	Plasmodium falciparum chromosome 2, section 54 of 73 of the complete sequence	2.1	<NONE>	<NONE>	<NONE>
4488	X90446	Canine herpesvirus DNA for ORF 1 (HSV1 UL44, EHV1 ORF 15 homolog) ORF2 (EHV1 ORF 16 homolog)	4.4	<NONE>	<NONE>	<NONE>
4489	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.17	4008355	(Z68297) Similarity to Yeast TAT-binding homolog 7 (SW:TBP7_YEAST); cDNA EST EMBL:D37124 comes from this gene; cDNA EST EMBL:D35150 comes from this gene; cDNA EST EMBL:D35400 comes from this gene; cDNA EST EMBL:D34900 comes ... >gi 4008373 gnl PI D e135984	3e-007
4490	D78130	Homo sapiens mRNA for squalene epoxidase, complete cds	0	2443316	(D78130) squalene epoxidase [Homo sapiens]	5e-008
4491	L18931	Buchnera aphidicola Arginyl tRNA synthetase	0.16	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		promoter region.				
4492	X17206	Human mRNA for LLRep3	e-112	1350976	40S RIBOSOMAL PROTEIN S2 >gi 939718	2e-005
4493	D28473	Human T-lymphocyte mRNA for isoleucyl-tRNA synthetase, complete cds	e-157	440799	(U04953) isoleucyl-tRNA synthetase [Homo sapiens]	3e-005
4494	L13624	Cercopithecus aethiops C4 complement	3.6	<NONE>	<NONE>	<NONE>
4495	M13011	Rat c-ras-H-1 gene, complete cds.	0.25	<NONE>	<NONE>	<NONE>
4496	Y10252	L.japonicus panC gene	0.38	627071	histidine-rich protein - Plasmodium lophurae	4.4
4497	X76683	Plasmid vector pHM2 betalactamase gene	1e-093	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
4498	M24486	Human prolyl 4-hydroxylase alpha subunit mRNA, complete cds, clone PA-11.	0	129365	PROLYL 4-HYDROXYLASE ALPHA SUBUNIT 1.14.11.2) alpha chain - chicken	2e-057
4499	D80004	Human mRNA for KIAA0182 gene, partial cds	2e-068	<NONE>	<NONE>	<NONE>
4500	U22233	Human methylthioadenosine phosphorylase (MTAP) mRNA, complete cds.	0	<NONE>	<NONE>	<NONE>
4501	D63875	Human mRNA for KIAA0155 gene, complete cds > :: gb G28541 G28541 human STS SHGC-31621.	0	961442	(D63875) KIAA0155 gene product is related to C.elegans B0464.2 protein. [Homo sapiens]	2e-019

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4502	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4503	X85018	H.sapiens mRNA for UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase (T1)	e-110	1709559	POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE (PROTEIN-UDP ACETYLGALACTOSAMINYLTRANSFERASE) N-ACETYLGALACTOSAMINYLTRANSFERASE (GALNAC-T1) polypeptide N-acetylgalactosaminyltransferase [Rattus norvegicus]	2e-018
4504	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4505	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4506	AF067782	Papio hamadryas BC200 alpha scRNA gene, complete sequence	0.48	<NONE>	<NONE>	<NONE>
4507	AF073298	Homo sapiens 4F5rel mRNA, complete cds	e-166	3641536	(AF073297) 4F5rel [Mus musculus] >gi 3641538 (AF073298) 4F5rel [Homo sapiens]	3e-013
4508	M12922	Yeast (S.cerevisiae) chromosome III L terminal region DNA.	2e-010	188864	(M74027) mucin [Homo sapiens]	6e-023
4509	X69524	M.squamata cabcl mRNA for chlorophyll a/b/c binding protein precursor	1.3	<NONE>	<NONE>	<NONE>
4510	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	1.2	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4512	U12404	Human Csa-19 mRNA, complete cds.	0	1709973	60S RIBOSOMAL PROTEIN L10A (CSA-19)	4e-056
4513	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-014	<NONE>	<NONE>	<NONE>
4514	<NONE>	<NONE>	<NONE>	121627	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN 1 PRECURSOR >gi 82244 pir A26099 glycine-rich cell wall structural protein - garden petunia >gi 20553 hybrida] >gi 225181 prf 1210313A Gly rich structural protein [Petunia sp.]	2e-030
4515	D87255	Hepatitis G virus RNA for polyprotein, complete cds	0.19	930045	(X15332) alpha-1 (III) collagen [Homo sapiens]	0.002
4516	U31820	Gallus gallus Mel-1a melatonin receptor mRNA, complete cds.	3.3	1718187	ENVELOPE GLYCOPROTEIN GP340 glycoprotein 350/220 - human herpesvirus 4 >gi 59164 virus] >gi 306293 (L07923) glycoprotein 340	0.096
4517	X68107	M.sativa msCHSII mRNA for chalcone synthase	3.4	<NONE>	<NONE>	<NONE>
4518	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4519	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	6e-006	1065484	(U40415) similar to S. cerevisiae LAG1 (SP:P38703)	0.001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4520	D87671	Rat mRNA for TIP120, complete cds	1e-043	1799570	(D87671) TIP120 [Rattus norvegicus]	0.01
4521	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4522	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4523	X16869	Human mRNA for elongation factor 1-alpha (clone CEF4)	4e-022	1085204	translation elongation factor eEF-1 alpha chain - zebra fish >gi 408805 (L23807) elongation factor 1-alpha [Danio rerio] >gi 454915 (X77689) translational elongation factor-1 alpha [Danio rerio] >gi 1009241 rerio] >gi 1091578 prf 2021264A elongation fact	5.1
4524	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-010	<NONE>	<NONE>	<NONE>
4525	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
4526	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4527	AF069250	Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds	7e-080	3037018	(AF041330) NADH dehydrogenase subunit 5 [Bodo saltans]	0.0001
4528	AF069250	Homo sapiens okadaic acid-inducible phosphoprotein (OA48-18) mRNA, complete cds	7e-080	3037018	(AF041330) NADH dehydrogenase subunit 5 [Bodo saltans]	0.0001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4529	U66532	Human beta4-integrin (ITGB4) gene, exons 7,8,9,10,11 and 12	0.51	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi 1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	1e-023
4530	X65319	Cloning vector pCAT-Enhancer	1e-074	987050	(X65335) lacZ gene product [unidentified cloning vector]	8e-011
4531	AJ010841	Homo sapiens mRNA for putative thioredoxin-like protein	8e-028	3646128	(AJ010841) thioredoxin-like protein	0.062
4532	D14034	Human gene for Zn-alpha2-glycoprotein, complete cds	0.005	<NONE>	<NONE>	<NONE>
4533	M12670	Human fibroblast collagenase inhibitor mRNA, complete cds.	6e-098	1351250	METALLOPROTEINASE INHIBITOR 1 PRECURSOR (TIMP-1) >gi 1363927 pir J C4303 matrix metalloproteinase-1 tissue inhibitor - baboon >gi 561546 hamadryas cynocephalus]	7e-008
4534	M17196	A.californica (marine gastropod mollusc) neuropeptide gene (ganglion R14), exon 1, 5' end.	0.019	2135765	mucin 2 precursor, intestinal - human	0.003
4535	AJ001454	Homo sapiens mRNA for testican-3	1.4	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4536	X75757	G.gallus cycB3 mRNA.	9e-040	729112	G2/MITOTIC-SPECIFIC CYCLIN B3	9e-019
4537	Z27116	S.cerevisiae HBS1, MRP-L20 and PRP-16 genes	0.058	<NONE>	<NONE>	<NONE>
4538	AF083322	Homo sapiens centriole associated protein CEP110 mRNA, complete cds	9e-051	1079393	chromokinesin - chicken >gi 603761 (U18309) chromokinesin [Gallus gallus]	0.012
4539	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4540	M26325	Human cytokeratin 18 mRNA, 3' end.	0	125083	KERATIN, TYPE I CYTOSKELETAL 18 keratin 18, type I, cytoskeletal - human >gi 34037	2e-093
4541	U37066	Human endogenous retrovirus strain XA38 pol polyprotein (pol) gene, partial cds	1.3	252486	P-selectin, CD62 [mice, Peptide, 768 aa] musculus]	1.8
4542	Z30543	Turkey herpesvirus (HVT-delUs-Beta1 PKI3) gene for protein kinase	2e-027	<NONE>	<NONE>	<NONE>
4543	M90077	Wheat translation elongation factor 1 alpha-subunit (TEF1) mRNA, complete cds.	0.14	<NONE>	<NONE>	<NONE>
4544	AJ001235	Papio hamadryas ERV-9 like LTR insertion	2e-044	<NONE>	<NONE>	<NONE>
4545	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4546	AF100654	Caenorhabditis elegans cosmid C24E9	0.41	<NONE>	<NONE>	<NONE>
4547	L28821	Homo sapiens alpha mannosidase II isozyme mRNA, complete cds.	0	1679607	(X97650) myosin-I [Mus musculus]	4.5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4548	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-013	<NONE>	<NONE>	<NONE>
4549	L20140	Zea mays pollen specific pectate lyase homologue gene, complete cds.	0.92	<NONE>	<NONE>	<NONE>
4550	U33955	Human Down Syndrome region of chromosome 21, genomic sequence, clone A12H1-1F2.	4.4	<NONE>	<NONE>	<NONE>
4551	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0005	<NONE>	<NONE>	<NONE>
4552	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.042	<NONE>	<NONE>	<NONE>
4553	X12660	Human chromosome 14 Ig JH (switch mu) DNA showing scattered homology to bcl2 gene exon 2 3'UTR	1e-006	2117245	(Z95586) hypothetical protein Rv1592c	2.1
4554	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	284314	modulator recognition factor 1 - human factor I [Homo sapiens]	7.1
4555	AF070523	Homo sapiens JWA protein mRNA, complete cds	0	3322740	(AE001222) conserved hypothetical protein [Treponema pallidum]	5.9
4556	Z11900	H.sapiens OTF3 gene	0.13	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4557	M24972	D.discoideum CT-rich satellite rDNA, clone pCT8.	4e-007	2605798	(AF027735) minor ampullate silk protein MiSp1 [Nephila clavipes]	5.30E-01
4558	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-007	<NONE>	<NONE>	<NONE>
4559	D32056	Human gene for 2-oxoglutarate dehydrogenase, exon 1 sequence	0.06	<NONE>	<NONE>	<NONE>
4560	AF034085	Caenorhabditis elegans UNC-45 (unc-45) gene, complete cds	0.025	1652167	(D90903) hypothetical protein	4.8
4561	AF091242	Homo sapiens ATP sulfurylase/APS kinase 2 mRNA, complete cds	0.0003	<NONE>	<NONE>	<NONE>
4562	M31520	Human ribosomal protein S24 mRNA.	1e-031	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.7
4563	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4564	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0005	<NONE>	<NONE>	<NONE>
4565	AB015432	Rattus norvegicus mRNA for LAT1 (L-type amino acid transporter 1), complete cds	4e-022	1665759	(D87432) Similar to Schistosoma mansoni amino acid permease (L25068). [Homo sapiens]	5e-024
4566	AE001397	Plasmodium falciparum chromosome 2, section 34 of 73 of the complete sequence	0.0005	3875266	(Z77655) predicted using Genefinder; similar to 7tm receptor [Caenorhabditis elegans]	5.90E+00

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4567	AE001397	Plasmodium falciparum chromosome 2, section 34 of 73 of the complete sequence	0.0005	3875266	(Z77655) predicted using Genefinder; similar to 7tm receptor [Caenorhabditis elegans]	5.90E+00
4568	Y15155	Homo sapiens PHKB gene, exon 8, and repetitive elements	4e-033	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.7
4569	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-03	2622750	(AE000921) DNA topoisomerase I [Methanobacterium thermoautotrophicum]	2.6
4570	AE000688	Aquifex aeolicus section 20 of 109 of the complete genome	4.5	<NONE>	<NONE>	<NONE>
4571	Z95123	Caenorhabditis elegans cosmid VZK8221, complete sequence [Caenorhabditis elegans]	0.4	<NONE>	<NONE>	<NONE>
4572	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3.00E-08	<NONE>	<NONE>	<NONE>
4573	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.3
4574	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	<NONE>	<NONE>	<NONE>
4575	U18671	Human Stat2 gene, complete cds.	2e-023	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.002

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4576	Z83241	Caenorhabditis elegans cosmid T25C8, complete sequence [Caenorhabditis elegans]	1.1	1176988	IOLD PROTEIN protein [Bacillus subtilis] >gi 2636519 gnl PI D e1184698 catabolism [Bacillus subtilis]	5.3
4577	L04690	Cricetulus griseus cholesterol 7-alpha-hydroxylase gene, complete cds. > :: gb I26617 I26617 Sequence 35 from patent US 5558999 > :: gb AR008072 AR 008072 Sequence 35 from patent US 5753431	3.2	212906	(L02621) intestinal zipper protein [Gallus gallus]	4.1
4578	Z54191	A.pleuropneumoniae tfbB gene encoding transferrin receptor.	0.54	2102696	(U72761) karyopherin beta 3 [Homo sapiens]	8.6
4579	X17025	Human homolog of yeast IPP isomerase > :: gb G27043 G27043 human STS SHGC-31614.	2e-035	<NONE>	<NONE>	<NONE>
4580	L32977	Homo sapiens (clone fl7252) ubiquinol cytochrome c reductase Rieske iron-sulphur protein (UQCRFS1) gene, exon 2	0.00E+00	1351361	UBIQUINOL-CYTOCHROME C REDUCTASE IRON-SULFUR SUBUNIT PRECURSOR (RIESKE IRON-SULFUR PROTEIN) (RISP) >gi 488299 (L32977) Rieske Fe-S protein	1e-070
4581	M26708	Human prothymosin alpha mRNA (ProT-alpha), complete cds.	0	190369	(J04798) open reading frame A; putative [Homo sapiens]	6e-018

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4582	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-014	2314130	(AE000607) H. pylori predicted coding region HP0985	3.3
4583	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	1236083	(U49507) Lisch7 [Mus musculus]	4.3
4584	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-014	348196	(L19917) immunoglobulin heavy-chain subgroup VIII V- D-J region [Homo sapiens]	9.7
4585	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4586	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4587	X52601	H.sapiens hTOP1 gene for topoisomerase, 5'end	4.6	<NONE>	<NONE>	<NONE>
4588	AF038604	Caenorhabditis elegans cosmid B0546	0.17	<NONE>	<NONE>	<NONE>
4589	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4590	U23441	Tetrahymena thermophila B internal deletion sequence.	0.0005	1469281	(U08801) envelope glycoprotein [Human immunodeficiency virus type 1]	1.1
4591	AC005276	Homo sapiens clone fragment UWGC:gap3 from 7q31.3, complete sequence [Homo sapiens]	0.009	<NONE>	<NONE>	<NONE>
4592	D84117	Homo sapiens DNA for prostacyclin synthase, exon 3	0.48	<NONE>	<NONE>	<NONE>
4593	U28153	Caenorhabditis elegans UNC-76 (unc-76) gene, complete cds.	1.30E-01	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4594	U67274	Human metastasis suppressor (KAI1) gene, exon 1, and complete cds	1e-008	<NONE>	<NONE>	<NONE>
4595	AF009621	Onchocerca volvulus cytosolic Cu/Zn superoxide dismutase (OvSOD1) and extracellular Cu/Zn superoxide dismutase (OvSOD2) genes, complete cds	4	<NONE>	<NONE>	<NONE>
4596	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4597	<NONE>	<NONE>	<NONE>	2078483	(U43200) antifreeze glycopeptide AFGP polypeptide precursor [Boreogadus saida]	0.78
4598	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4599	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4600	AL021806	Homo sapiens DNA sequence from PAC 779B17 on chromosome 22q13.1. Contains exon trap, complete sequence	4e-029	728836	!!!! ALU SUBFAMILY SP WARNING ENTRY	0.002
4601	AL022222	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-118, complete sequence	4.9	<NONE>	<NONE>	<NONE>
4602	Z73149	N.tabacum DNA (recombination breakpoint between T-DNA and plant DNA)	1.6	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4603	AF082835	Mus spretus E6-AP ubiquitin-protein ligase	4	<NONE>	<NONE>	<NONE>
4604	AF050123	Homo sapiens hypoxia-inducible factor 1 alpha subunit (HIF1A) gene, exon 10	3e-009	728838	!!!! ALU SUBFAMILY SX WARNING ENTRY	6.7
4605	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	<NONE>	<NONE>	<NONE>
4606	AF001355	Pseudomonas syringae pv. syringae DNA binding protein HpkR (hpkR), histidine protein kinase HpkY (hpkY), phosphate acceptor regulatory protein CheY-2 (cheY-2), ankyrin AnkF (ankF), and catalase isozyme catalytic subuni...	2.1	3041736	TRANSCRIPTION FACTOR SOX-11	8.9
4607	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8.00E-08	3123155	HYPOTHETICAL 49.0 KD TRP-ASP REPEATS CONTAINING PROTEIN F55F8.5 IN CHROMOSOME I family [Caenorhabditis elegans]	2e-027
4608	<NONE>	<NONE>	<NONE>	1170978	MYOCYTE NUCLEAR FACTOR (MNF) musculus]	0.18
4609	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	4e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	8.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4610	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
4611	X75861	H.sapiens TEGT gene	e-177	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.8
4612	U19867	Cloning vector pSPL3, exon splicing vector, complete sequence, HIV envelope protein gp160 and beta- lactamase, complete cds.	5e-055	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-011
4613	U73332	Human non- coding genomic sequence upstream from unique L0 sequence in the alpha-globin gene cluster	8e-008	<NONE>	<NONE>	<NONE>
4614	<NONE>	<NONE>	<NONE>	193952	(J03770) homeobox protein [Mus musculus]	6
4615	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	586875	HYPOTHETICAL 29.2 KD PROTEIN IN METS-KSGA INTERGENIC REGION >gi 2127033 pir S 66068 hypothetical protein - Bacillus subtilis subtilis] >gi 2632306 gnl PI D e1181972 (Z99104) similar to hypothetical proteins [Bacillus subtilis]	5e-019
4616	K00384	Yeast (S.cerevisiae) mitochondrial var1 gene, 5'	0.001	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		flank.				
4617	J04628	Rattus norvegicus 3-hydroxyiso- butyrate mRNA, 3' end.	e-154	416873	3- HYDROXYISOB UTYRATE DEHYDROGENA SE PRECURSOR (HIBADH) >gi 111295 pir A3 2867 3- hydroxyisobutyrat e dehydrogenase (EC 1.1.1.31) precursor - rat (fragment) >gi 556389 (J04628) 3- hydroxyisobutyrat e dehydrogenase [Rattus norvegicus]	1e-049
4618	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.38	<NONE>	<NONE>	<NONE>
4619	U10361	Saccharomyces cerevisiae Snf8p (SNF8) gene, complete cds.	2.7	<NONE>	<NONE>	<NONE>
4620	D42044	Human mRNA for KIAA0090 gene, partial cds	e-151	577301	(D42044) The ha3523 gene product is related to S.cerevisiae gene product located in chromosome III. [Homo sapiens]	4e-052
4621	U10361	Saccharomyces cerevisiae Snf8p (SNF8) gene, complete cds.	2.7	<NONE>	<NONE>	<NONE>
4622	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4623	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3.00E-10	<NONE>	<NONE>	<NONE>
4624	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3.00E-10	<NONE>	<NONE>	<NONE>
4625	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4626	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4627	X06747	Human hnRNP core protein A1	7e-049	87650	heterogeneous ribonuclear particle protein A1.beta - human >gi 36102 (X06747) protein A1-alpha (AA 1-320) [Homo sapiens]	6e-005
4628	X03559	Human mRNA for F1-ATPase beta subunit (F-1 beta) > :: dbj D00022 HUM F1B Homo sapiens mRNA for F1 beta subunit, complete cds	e-100	114549	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR >gi 106207 pir A33370 H+-transporting ATP synthase (EC 3.6.1.34) beta chain precursor, mitochondrial - human >gi 179281 (M27132) ATP synthase beta subunit precursor [Homo sapiens]	2e-024
4629	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4630	K00915	paramecium species 1,168 mt dna dimer: replication init. region.	7.00E-05	<NONE>	<NONE>	<NONE>
4631	K00915	paramecium species 1,168 mt dna dimer: replication init. region.	7.00E-05	<NONE>	<NONE>	<NONE>
4632	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4633	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4634	Z28261	S.cerevisiae chromosome XI reading frame ORF YKR036c	0.042	417748	PROTEIN TRANSPORT PROTEIN SEC13	0.0002
4635	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
4636	AF088034	Homo sapiens full length insert cDNA clone ZC24F03	0	854598	(X87611) ORF YJR83.18 [Saccharomyces cerevisiae]	2e-024
4637	M83094	Homo sapiens cytosolic selenium- dependent glutathione peroxidase gene, complete cds, and rhoH12 gene, 3' end.	3.00E-08	<NONE>	<NONE>	<NONE>
4638	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	1176711	HYPOTHETICAL 21.6 KD PROTEIN F37A4.2 IN CHROMOSOME III >gi 1078851 pir S 44639 F37A4.2 protein - Caenorhabditis elegans >gi 458960	2e-017
4639	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	1176711	HYPOTHETICAL 21.6 KD PROTEIN F37A4.2 IN CHROMOSOME III >gi 1078851 pir S 44639 F37A4.2 protein - Caenorhabditis elegans >gi 458960	2e-017

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4640	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
4641	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
4642	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	4056582	(AF039530) RepA [Egyptian sugarcane streak virus]	3.4
4643	U96174	Onchocerca volvulus OvB8 mRNA, partial cds	3.2	<NONE>	<NONE>	<NONE>
4644	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4645	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-005	3236220	(U62541) immunoreactive 14 kDa protein BA14k [Brucella abortus]	4.5
4646	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-005	3236220	(U62541) immunoreactive 14 kDa protein BA14k [Brucella abortus]	4.5
4647	AL010224	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 4-04, complete sequence	0.003	2492906	ANNEXIN VII (SYNEXIN) frog >gi 790544 (U16365) annexin VII [Xenopus laevis]	1.4
4648	L39413	Atractylodes japonica chloroplast NADH dehydrogenase (ndhF) gene, complete cds	0.003	<NONE>	<NONE>	<NONE>
4649	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete	4e-013	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		cds				
4650	U79403	Meleagris gallopavo microsatellite repeat sequence	0.46	2498691	OUTER DENSE FIBER PROTEIN bovine >gi 1165006 (X69514) outer dense fiber protein [Bos taurus]	1.4
4651	U27780	Stealth virus 1 clone C16138 T3.1	2	<NONE>	<NONE>	<NONE>
4652	U27780	Stealth virus 1 clone C16138 T3.1	2	<NONE>	<NONE>	<NONE>
4653	U78817	Saccharomyces cerevisiae killer virus M1, complete genome	0.026	<NONE>	<NONE>	<NONE>
4654	U78817	Saccharomyces cerevisiae killer virus M1, complete genome	0.026	<NONE>	<NONE>	<NONE>
4655	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4656	X07036	Human mRNA stimulatory GTP-binding protein alpha subunit	3e-071	232142	GUANINE NUCLEOTIDE-BINDING PROTEIN G(S), ALPHA SUBUNIT (ADENYLATE CYCLASE-STIMULATING G ALPHA PROTEIN) >gi 71886 pir RG PGA2 GTP-binding regulatory protein Gs alpha-2 chain (adenylate cyclase-stimulating) - pig >gi 1958 (X63893) alpha-stimulatory subunit	8e-027

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4657	L05586	Kinetoplast Trypanosoma brucei (IsTaR 1 serodeme) putative NADH dehydrogenase subunit (nd9) mRNA, complete cds.	0.0001	4063042	(AF068065) GP900; mucin-like glycoprotein [Cryptosporidium parvum]	0.19
4658	AF044763	Cecropis ariel microsatellite HrU6 allele 1 repeat region	3e-006	<NONE>	<NONE>	<NONE>
4659	X82630	A.longa plastid rps12, orf126 and orf288 genes	0.22	<NONE>	<NONE>	<NONE>
4660	U68098	Human poly(A)-binding protein (PABP) gene, exons 6 and 7	0.023	<NONE>	<NONE>	<NONE>
4661	U68098	Human poly(A)-binding protein (PABP) gene, exons 6 and 7	0.023	<NONE>	<NONE>	<NONE>
4662	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	1022683	(U23146) SSeCKS [Rattus norvegicus]	1.4
4663	M15353	Homo sapiens cap-binding protein mRNA, complete cds	0	<NONE>	<NONE>	<NONE>
4664	Z57610	H.sapiens CpG DNA, clone 187a10, reverse read cpg187a10.rt1a .	3e-048	417134	HEPATOCYTE NUCLEAR FACTOR 3-BETA [Rattus norvegicus]	2.00E-10
4665	L11707	Hevea brasiliensis Mn-superoxide dismutase (SODMn) gene, complete cds.	2.6	<NONE>	<NONE>	<NONE>
4666	D42073	Human mRNA for reticulocalbin, complete cds	3e-019	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4667	L12350	Human thrombospondin 2 (THBS2) mRNA, complete cds.	0	<NONE>	<NONE>	<NONE>
4668	L11707	Hevea brasiliensis Mn-superoxide dismutase (SODMn) gene, complete cds.	2.6	<NONE>	<NONE>	<NONE>
4669	AC000043	Homo sapiens Chromosome 22q13 Cosmid Clone p74a8, complete sequence [Homo sapiens]	2e-016	134589	TRANSCRIPTION REGULATORY PROTEIN SNF2 SWI2) (REGULATORY PROTEIN GAM1) (TRANSCRIPTION FACTOR TYE3) >gi 101629 pir S15047 SNF2 protein - yeast protein [Saccharomyces cerevisiae] >gi 172632 (M61703) SNF2protein [Saccharomyces cerevisiae] >gi 127	1.5
4670	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	69700	interleukin-1 beta precursor - bovine	0.6
4671	U44975	Homo sapiens DNA-binding protein CPBP (CPBP) mRNA, partial cds	2e-045	1848233	(U44975) DNA-binding protein CPBP [Homo sapiens]	0.009

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4672	AF038406	Homo sapiens NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8) gene, nuclear gene encoding mitochondrial protein, complete cds	0	2326168	(U32107) type VII collagen [Mus musculus]	1.5
4673	X67951	H.sapiens mRNA for proliferation-associated gene	0	548453	THIOREDOXIN PEROXIDASE 2 CELL ENHANCING FACTOR A) (NKEF-A) >gi 423025 pir A46711 proliferation associated gene (pag) protein - human gene product [Homo sapiens]	2e-083
4674	AC001013	Homo sapiens (subclone 2_d1 from P1 H43) DNA sequence	2e-017	2072961	(U93568) putative p150 [Homo sapiens]	0.0001
4675	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	1589837	(U68729) cuticle preprocollagen [Meloidogyne incognita]	0.035
4676	M15353	Homo sapiens cap-binding protein mRNA, complete cds	0	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4677	M37583	Human histone (H2A.Z) mRNA, complete cds.	0	121994	HISTONE H2A.Z >gi 89608 pir S03 642 histone H2A.Z - bovine >gi 92380 pir S03 644 histone H2A.Z - rat >gi 106267 pir A3 5881 histone H2A.Z - human sapiens] >gi 57808 (X52316) histone H2A.Z (AA 1- 127) taurus] >gi 184060 (M37583) histone (H2A.Z) [Homo sapien	1e-055
4678	M15353	Homo sapiens cap-binding protein mRNA, complete cds	0	<NONE>	<NONE>	<NONE>
4679	Z57610	H.sapiens CpG DNA, clone 187a10, reverse read cpg187a10.rt1a.	4e-094	404764	(L10409) fork head related protein [Mus musculus]	4e-024
4680	Z57610	H.sapiens CpG DNA, clone 187a10, reverse read cpg187a10.rt1a.	4e-094	404764	(L10409) fork head related protein [Mus musculus]	4e-024
4681	Z57610	H.sapiens CpG DNA, clone 187a10, reverse read cpg187a10.rt1a.	4e-094	404764	(L10409) fork head related protein [Mus musculus]	4e-024
4682	L11707	Hevea brasiliensis Mn-superoxide dismutase (SODMn) gene, complete cds.	2.6	<NONE>	<NONE>	<NONE>
4683	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4684	<NONE>	<NONE>	<NONE>	2114323	(D88734) membrane glycoprotein [Equine herpesvirus 1]	0.052

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4685	AJ224875	Homo sapiens mRNA for putative glucosyltransferase, partial cds	0	2996578	(AJ224875) glucosyltransferase [Homo sapiens]	e-118
4686	AB019534	Homo sapiens gene for cathepsin L2, complete cds	2e-045	<NONE>	<NONE>	<NONE>
4687	J03799	Human colon carcinoma laminin-binding protein mRNA, complete cds.	e-166	34272	(X15005) pot. laminin-binding protein (AA 1 - 300) [Homo sapiens]	5e-032
4688	<NONE>	<NONE>	<NONE>	2114323	(D88734) membrane glycoprotein [Equine herpesvirus 1]	0.052
4689	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	9e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	9.8
4690	D44598	Saccharomyces cerevisiae chromosome VI phage 4121	1e-009	3947877	(AL034382) putative mitosis and maintenance of ploidy protein [Schizosaccharomyces pombe]	6e-061
4691	AF053520	Homo sapiens allele 12 fragile site locus	0.61	<NONE>	<NONE>	<NONE>
4692	D16195	Mouse gene for acrogranin precursor, complete cds	0.059	<NONE>	<NONE>	<NONE>
4693	U90904	Human clone 23773 mRNA sequence	0	3130153	(AB008857) calcium ²⁺ sensing receptor	1.5
4694	L22398	Homo sapiens DNA sequence, repeat region.	7e-017	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.1
4695	L22398	Homo sapiens DNA sequence, repeat region.	7e-017	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.1

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4696	J03746	Human glutathione S-transferase mRNA, complete cds.	e-170	121740	GLUTATHIONE S-TRANSFERASE, MICROSOMAL >gi 87562 pir B28083 glutathione transferase glutathione S-transferase [Homo sapiens] >gi 1195483 sapiens] >gi 1621433 (U71213) microsomal glutathione s-transferase [Homo sapiens]	2e-038
4697	AF082283	Homo sapiens CARD-containing apoptotic signaling protein (BCL10) mRNA, complete cds	5e-046	4049460	(AJ006288) bcl-10 [Homo sapiens] signaling protein [Homo sapiens]	0.005
4698	D64142	Human mRNA for histone H1x, complete cds	1e-039	<NONE>	<NONE>	<NONE>
4699	AB001899	Homo sapiens PACE4 gene, exon 2	4e-012	3860844	(AJ235271) NADH DEHYDROGENASE I CHAIN L	3.5
4700	X16869	Human mRNA for elongation factor 1-alpha (clone CEF4)	0	1169475	ELONGATION FACTOR 1-ALPHA 1	6e-061
4701	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6.00E-05	<NONE>	<NONE>	<NONE>
4702	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-013	2501465	PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE FAM (UBIQUITIN THIOLESTERAS	0.0003

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					E FAM)	
4703	D44598	Saccharomyces cerevisiae chromosome VI phage 4121	1e-009	3947877	(AL034382) putative mitosis and maintenance of ploidy protein [Schizosaccharom yces pombe]	6e-061
4704	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
4705	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.4
4706	AB001899	Homo sapiens PACE4 gene, exon 2	4e-012	3860844	(AJ235271) NADH DEHYDROGENA SE I CHAIN L	3.4
4707	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4708	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-008	<NONE>	<NONE>	<NONE>
4709	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	6.40E+00
4710	L39064	Homo sapiens interleukin 9 receptor precursor (IL9R) gene, complete cds	1e-006	4063042	(AF068065) GP900; mucin-like glycoprotein	1e-006
4711	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.0002	331908	(K02714) envelope polypeptide [Friend murine leukemia virus]	8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4712	AF065249	Entodinium caudatum 14-3-3 protein mRNA, partial cds	1	<NONE>	<NONE>	<NONE>
4713	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	7.9
4714	<NONE>	<NONE>	<NONE>	186396	(M94131) mucin [Homo sapiens]	2.5
4715	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-009	<NONE>	<NONE>	<NONE>
4716	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4717	Z56314	H.sapiens CpG DNA, clone 10h10, reverse read cpg10h10.rt1a .	4e-012	2444024	(U77782) N-methyl-D-aspartate receptor. 2C subunit precursor [Homo sapiens]	9.8
4718	D55696	Human mRNA for cysteine protease, complete cds	e-113	2842759	LEGUMAIN PRECURSOR (ASPARAGINYL ENDOPEPTIDASE) >gi 1743266 gnl PI D e286211 (Y09862) legumain [Homo sapiens]	1e-006
4719	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	9e-008	<NONE>	<NONE>	<NONE>
4720	D63480	Human mRNA for KIAA0146 gene, partial cds	0	1469874	(D63480) The KIAA0146 gene product is novel. [Homo sapiens]	2e-079
4721	AB001579	Rice dwarf virus genomic RNA, segment 2, complete sequence	1.3	<NONE>	<NONE>	<NONE>
4722	<NONE>	<NONE>	<NONE>	3873550	(AL033534) serine-rich protein	2.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4723	AL010156	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-87, complete sequence	0.77	<NONE>	<NONE>	<NONE>
4724	AF059198	Homo sapiens protein kinase/endoribonulcease	2	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	8e-007
4725	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4727	D38616	Human mRNA for phosphorylase kinase alpha subunit, complete cds	3.5	3522948	(AC004411) hypothetical protein [Arabidopsis thaliana]	0.18
4728	D38616	Human mRNA for phosphorylase kinase alpha subunit, complete cds	3.5	3522948	(AC004411) hypothetical protein [Arabidopsis thaliana]	0.18
4729	Z11808	T.glis interphotoreceptor retinoid binding protein gene, exon 1	1.6	<NONE>	<NONE>	<NONE>
4730	AF065988	Homo sapiens keratocan gene, complete cds	1.4	<NONE>	<NONE>	<NONE>
4731	X60026	M.domesticus small nuclear 4.5 S RNA gene	0.0003	2853301	(AF007194) mucin [Homo sapiens]	5.5
4732	M13793	Mouse 56 kdal protein mRNA from an interferon activated gene, exon 1, 5' end.	0.3	136814	HYPOTHETICAL PROTEIN UL11 RL11 FAMILY [Human cytomegalovirus]	2.3

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4733	D55696	Human mRNA for cysteine protease, complete cds	e-113	2842759	LEGUMAIN PRECURSOR (ASPARAGINYL ENDOPEPTIDASE) >gi 1743266 gn PI D e286211 (Y09862) legumain [Homo sapiens]	1e-006
4734	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4735	<NONE>	<NONE>	<NONE>	322647	glycine-rich protein GRP22 - rape >gi 17821	3e-021
4736	<NONE>	<NONE>	<NONE>	188864	(M74027) mucin [Homo sapiens]	0.002
4737	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
4738	AB018270	Homo sapiens mRNA for KIAA0727 protein, partial cds	0	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.8
4739	AB018270	Homo sapiens mRNA for KIAA0727 protein, partial cds	0	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.8
4740	AE001382	Plasmodium falciparum chromosome 2, section 19 of 73 of the complete sequence	0.25	<NONE>	<NONE>	<NONE>
4741	AE001382	Plasmodium falciparum chromosome 2, section 19 of 73 of the complete sequence	0.25	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4742	X55038	Mouse mCENP-B gene for centromere autoantigen B	0.001	3879362	(Z81113) similar to DnaJ, prokaryotic heat shock protein, Zinc finger, C2H2 type; cDNA EST yk290e12.5 comes from this gene; cDNA EST yk290e12.3 comes from this gene; cDNA EST yk447h4.5 comes from this gene; cDNA EST yk474e4....	7e-007
4743	AF054024	Rattus norvegicus polymorphic marker D9UIA2 sequence	0.62	<NONE>	<NONE>	<NONE>
4744	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0005	<NONE>	<NONE>	<NONE>
4745	Z11808	T.glis interphotoreceptor retinoid binding protein gene, exon 1	1.6	<NONE>	<NONE>	<NONE>
4746	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4747	AF047470	Homo sapiens malate dehydrogenase precursor complete cds	1e-019	2995307	(AL022268) putative aminotransferase	0.12
4748	AF029890	Homo sapiens hepatitis B virus X interacting protein (XIP) mRNA, complete cds	e-161	2745883	(AF029890) hepatitis B virus X interacting protein [Homo sapiens]	2e-044

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4750	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-008	1723019	HYPOTHETICAL 29.6 KD PROTEIN CY251.12C >gi 1405764 gnl PI D e249453 (Z74410) hypothetical protein Rv0093c [Mycobacterium tuberculosis]	2.5
4751	M37583	Human histone (H2A.Z) mRNA, complete cds.	0	121994	HISTONE H2A.Z >gi 89608 pir S03 642 histone H2A.Z - bovine >gi 92380 pir S03 644 histone H2A.Z - rat >gi 106267 pir A3 5881 histone H2A.Z - human sapiens] >gi 57808 (X52316) histone H2A.Z (AA 1- 127) taurus] >gi 184060 (M37583) histone (H2A.Z) [Homo sapien	1e-055
4752	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-014	<NONE>	<NONE>	<NONE>
4753	X65279	pWE15 cosmid vector DNA	7e-079	987050	(X65335) lacZ gene product [unidentified cloning vector]	1e-013
4754	D38549	Human mRNA for KIAA0068 gene, partial cds	e-169	<NONE>	<NONE>	<NONE>
4755	L27835	Pangasianodon gigas growth hormone (GH) mRNA, complete cds.	1.5	538251	(D00322) polypeptide [Tomato black ring virus]	5.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4756	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	1477565	(U50078) p619 [Homo sapiens]	8.9
4757	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	1477565	(U50078) p619 [Homo sapiens]	8.9
4758	U47414	Human cyclin G2 mRNA, complete cds	e-116	<NONE>	<NONE>	<NONE>
4759	AB014560	Homo sapiens mRNA for KIAA0660 protein, complete cds	e-173	<NONE>	<NONE>	<NONE>
4760	L35664	Homo sapiens (subclone H8 8_f5 from P1 35 H5 C8) DNA sequence.	1e-030	2072966	(U93570) p40 [Homo sapiens]	0.001
4761	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.1
4762	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-013	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.1
4763	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>
4764	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-012	<NONE>	<NONE>	<NONE>
4765	M59317	Mouse low affinity IgE receptor (FcεRII) gene sequence.	1e-006	2135765	mucin 2 precursor, intestinal - human	0.0003

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4766	D14034	Human gene for Zn-alpha2-glycoprotein, complete cds	3e-008	119379	RETROVIRUS-RELATED ENV POLYPROTEIN	6e-007
4767	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4768	M61185	Bovine glutamic acid-rich protein mRNA, complete cds.	0.01	2781362	(AC003113) F24O1.18 [Arabidopsis thaliana]	1.1
4769	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4770	Z62012	H.sapiens CpG DNA, clone 61g4, reverse read cpg61g4.r1a	0.076	1582765	YFW1 gene [Saccharomyces cerevisiae]	2.9
4771	M29065	Human hnRNP A2 protein mRNA.	0	4049652	(AF063866) ORF MSV017 hypothetical protein [Melanoplus sanguinipes entomopoxvirus]	5.9
4772	D12525	Homo sapiens cytochrome P450IA1 gene, 3'flanking region	6e-016	728837	!!!! ALU SUBFAMILY SQ WARNING ENTRY	9.6
4773	M16660	Human 90-kDa heat-shock protein gene, cDNA, complete cds.	e-109	2119731	HSP90 - mouse (fragment) protein {C-terminal} [mice, heart, Peptide Partial, 194 aa] [Mus sp.]	1e-023
4774	AF043105	Homo sapiens glutathione S-transferase mu 3	9e-020	728831	!!!! ALU SUBFAMILY J WARNING ENTRY	0.63
4775	U43374	Human normal keratinocyte mRNA.	0	120179	FINQ PROTEIN >gi 73172 pir BV ECFQ finQ protein - Escherichia coli plasmid R820a	9
4776	U00684	Human unknown mRNA.	2e-014	2224667	(AB002361) KIAA0363 [Homo sapiens]	6.6

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4777	M22299	Human T-plastin polypeptide mRNA, complete cds, clone p4. > :: gb 08151 Sequence 1 from Patent EP 0345726	4e-008	<NONE>	<NONE>	<NONE>
4778	M95623	Homo sapiens hydroxymethylbilane synthase gene, complete cds.	3e-018	3002527	(AF010144) neuronal thread protein AD7c-NTP [Homo sapiens]	0.52
4779	X52329	pBluescript II KS(-) vector DNA, phagemid excised from lambda ZAPII	0	2117615	catalase - Campylobacter jejuni	2e-009
4780	X52329	pBluescript II KS(-) vector DNA, phagemid excised from lambda ZAPII	0	2117615	catalase - Campylobacter jejuni	2e-009
4781	AF061034	Homo sapiens FIP2 alternatively translated mRNA, complete cds	0	3127084	(AF061034) FIP2 [Homo sapiens]	9e-089
4782	Z64776	H.sapiens CpG DNA, clone 167d8, forward read cpg167d8.ft1b .	0.0002	1777782	(U52513) ISG family member [Homo sapiens]	1.8
4783	D31786	Acyrtosiphon kondoi endosymbiont DNA, S10 and spc ribosomal protein gene operons, complete and partial cds	1.1	2134310	cell division control protein CDC37 homolog splice form 1 - chicken	4e-005
4784	L05491	Homo sapiens T-plastin gene, last exon (16).	0	2506254	T-PLASTIN	3e-018
4785	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	8e-007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4786	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-006	3877438	(Z72510) similar to G-protein coupled receptor [Caenorhabditis elegans]	2
4787	L38250	Mycoplasma penetrans p35 lipoprotein and p33 lipoprotein genes, complete cds	0.041	<NONE>	<NONE>	<NONE>
4788	J03537	Human ribosomal protein S6 mRNA, complete cds.	e-138	133978	40S RIBOSOMAL PROTEIN S6 protein S6 - rat >gi 70933 pir R3 MS6 ribosomal protein S6 - mouse >gi 319910 pir R3 HU6 ribosomal protein S6 - human >gi 36148 (X67309) ribosomal protein S6 [Homo sapiens] >gi 54010 (Y00348) ribosomal protein S6 [Mus musculus] >g	3e-033
4789	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	2.6
4790	AF041210	Homo sapiens midline 1 fetal kidney isoform 3	0.41	<NONE>	<NONE>	<NONE>
4791	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.2

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4792	S60885	LYAR=cell growth regulating nucleolar protein	2e-026	2498524	CELL GROWTH REGULATING NUCLEOLAR PROTEIN >gi 423488 pir A40683 cell growth regulating nucleolar protein LYAR - mouse >gi 300372 bbs 131782	0.43
4793	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4794	U28687	Human zinc finger containing protein ZNF157	3e-027	1731444	ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2) >gi 1020145 (M27878) DNA binding protein	3e-008
4795	AF086438	Homo sapiens full length insert cDNA clone ZD80G11	0.0002	<NONE>	<NONE>	<NONE>
4796	L28997	Homo sapiens ARL1 mRNA, complete cds	3e-006	<NONE>	<NONE>	<NONE>
4797	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-008	1280126	(U55375) K03E6.4 [Caenorhabditis elegans]	2e-012
4798	AE001415	Plasmodium falciparum chromosome 2, section 52 of 73 of the complete sequence	0.015	<NONE>	<NONE>	<NONE>
4799	D21853	Human mRNA for KIAA0111 gene, complete cds	0	729821	EUKARYOTIC INITIATION FACTOR 4A-LIKE NUK-34 (HA0659) >gi 631472 pir S45142 translation initiation factor eIF-4A2 homolog - human >gi 496902	2e-010

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4800	M76425	H.sapiens intron 2 Alu repetitive element.	0.014	<NONE>	<NONE>	<NONE>
4801	X87212	H.sapiens mRNA for cathepsin C	0	1582221	prepro-cathepsin C [Homo sapiens]	1e-052
4802	D80005	Human mRNA for KIAA0183 gene, partial cds	e-114	1136426	(D80005) KIAA0183 [Homo sapiens]	7e-025
4803	AF026029	Homo sapiens poly(A) binding protein II (PABP2) gene, complete cds	2e-055	<NONE>	<NONE>	<NONE>
4804	Z68322	Human DNA sequence from cosmid L79F5, Huntington's Disease Region, chromosome 4p16.3	2e-016	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.6
4805	M63180	Human threonyl-tRNA synthetase mRNA, complete cds	0	135177	THREONYL-TRNA SYNTHETASE, CYTOPLASMIC (THREONINE-TRNA LIGASE) (THRRS) 6.1.1.3) - human >gi1464742 (M63180) threonyl-tRNA synthetase [Homo sapiens]	5e-070
4806	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3.7	<NONE>	<NONE>	<NONE>
4807	D16431	Human mRNA for hepatoma-derived growth factor, complete cds	3e-010	<NONE>	<NONE>	<NONE>
4808	AF086168	Homo sapiens full length insert cDNA clone ZB82D09	e-148	1465826	(U64856) weak similarity to TPR domains [Caenorhabditis elegans]	2e-014

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4809	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.4
4810	M34651	Pseudorabies virus with upstream and downstream sequences.	0.4	417134	HEPATOCTE NUCLEAR FACTOR 3-BETA norvegicus]	0.047
4811	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	3e-010	1353390	(U34998) Rad9 [Coprinus cinereus]	3e-010
4812	M94314	Homo sapiens ribosomal protein L30 mRNA, complete cds	1e-064	<NONE>	<NONE>	<NONE>
4813	X95276	P.falciparum complete gene map of plastid- like DNA (IR-B)	0.001	<NONE>	<NONE>	<NONE>
4814	X12716	Human Retrovirus mRNA for LTR (clone cH6)	5e-024	<NONE>	<NONE>	<NONE>
4815	J03537	Human ribosomal protein S6 mRNA, complete cds.	e-138	133978	40S RIBOSOMAL PROTEIN S6 protein S6 - rat >gi 70933 pir R3 MS6 ribosomal protein S6 - mouse >gi 319910 pir R3 HU6 ribosomal protein S6 - human >gi 36148 (X67309) ribosomal protein S6 [Homo sapiens] >gi 54010 (Y00348) ribosomal protein S6 [Mus musculus] >g	3e-033
4816	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4817	U61945	Caenorhabditis elegans cosmid C49C8.	1.8	<NONE>	<NONE>	<NONE>
4818	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4819	M20020	Human ribosomal protein S6 mRNA, complete cds.	7e-072	225901	ribosomal protein S6 [Rattus norvegicus]	2e-015
4820	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.058	<NONE>	<NONE>	<NONE>
4821	AL023973	Human DNA sequence from clone 1033E15 on chromosome 22q13.1-13.2. Contains part of a novel gene, ESTs and a GSS, complete sequence [Homo sapiens]	3e-009	2352260	(AF000949) keratin [Canis familiaris]	0.037
4822	M37430	Pea Chloroplast 4.5S, 5S, 16S and 23S mRNA.	4.7	4093193	(AF106583) unknown [Caenorhabditis elegans]	4.8
4823	M63488	Human replication protein A 70kDa subunit mRNA complete cds.	0	1350579	REPLICATION PROTEIN A 70 KD DNA-BINDING SUBUNIT (RP-A) (RF-A) (REPLICATION FACTOR-A PROTEIN 1) (SINGLE-STRANDED DNA-BINDING PROTEIN) subunit [Homo sapiens]	8e-079
4824	X83791	C.tentans BR1 gene	1.2	<NONE>	<NONE>	<NONE>
4825	U67576	Methanococcus jannaschii section 118 of 150 of the complete genome	4	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4826	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-009	<NONE>	<NONE>	<NONE>
4827	X65319	Cloning vector pCAT-Enhancer	2e-077	987050	(X65335) lacZ gene product [unidentified cloning vector]	2e-011
4828	X03558	Human mRNA for elongation factor 1 alpha subunit	0	1169475	ELONGATION FACTOR 1- ALPHA 1	e-109
4829	X76538	H.sapiens Mpv17 mRNA	6.00E-98	730059	MPV17 PROTEIN >gi 631208 pir S4 5343 glomerulosclerosis protein Mpv17 - human	3e-010
4830	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4831	<NONE>	<NONE>	<NONE>	2078483	(U43200) antifreeze glycopeptide AFGP polypeptide precursor [Boreogadus saida]	0.014
4832	X83617	H.sapiens mRNA for RanBP1	3.4	3924670	(AC004990) supported by Genscan and several ESTs: C83049	3e-040
4833	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	3024677	ISOLEUCYL- TRNA SYNTHETASE isoleucyl-tRNA synthetase (ileS) [Helicobacter pylori]	0.005
4834	J02763	Human calcyclin gene, complete cds.	1e-043	<NONE>	<NONE>	<NONE>
4835	L10910	Homo sapiens splicing factor (CC1.3) mRNA, complete cds.	0.00E+00	<NONE>	<NONE>	<NONE>
4836	X53586	Human mRNA for integrin alpha 6	2e-099	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4837	Z57594	H.sapiens CpG DNA, clone 186c5, reverse read cpg186c5.rt1b .	1.4	<NONE>	<NONE>	<NONE>
4838	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4839	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
4840	Y00371	Human hsc70 gene for 71 kd heat shock cognate protein > :: gb AR013986 AR 013986 Sequence 15 from patent US 5773245	e-145	987050	(X65335) lacZ gene product [unidentified cloning vector]	7e-011
4841	AF074991	Homo sapiens full length insert cDNA YH88A03	0.0005	<NONE>	<NONE>	<NONE>
4842	AF055030	Homo sapiens clone 24538 mRNA sequence	2e-049	2842711	ZINC-FINGER PROTEIN UBI-D4 sapiens]	2e-016
4843	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	1353531	(U38906) ORF14 [Bacteriophage r1t]	7.1
4844	Z57588	H.sapiens CpG DNA, clone 186b7, reverse read cpg186b7.rt1b .	0.41	<NONE>	<NONE>	<NONE>
4845	X65319	Cloning vector pCAT-Enhancer	9e-051	987050	(X65335) lacZ gene product [unidentified cloning vector]	0.37
4846	X78411	B.pasteurii ureA, ureB and ureC genes.	3.1	<NONE>	<NONE>	<NONE>
4847	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-009	2224697	(AB002376) KIAA0378 [Homo sapiens]	5e-008

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4848	U78729	Homo sapiens mad protein homolog Smad2 gene, exon 6	4.7	<NONE>	<NONE>	<NONE>
4849	D55696	Human mRNA for cysteine protease, complete cds	0	2842759	LEGUMAIN PRECURSOR (ASPARAGINYL ENDOPEPTIDASE) >gi 1743266 gnl PI D e286211 (Y09862) legumain [Homo sapiens]	3e-030
4850	U95097	Xenopus laevis mitotic phosphoprotein 43 mRNA, partial cds	0.43	3005603	(AF053141) progesterone receptor [Equus caballus]	2.2
4851	U46118	Rattus norvegicus cytochrome P450 3A9 mRNA, complete cds	0.38	<NONE>	<NONE>	<NONE>
4852	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-006	2495726	HYPOTHETICAL PROTEIN KIAA0254 sapiens]	1e-005
4853	L10911	Homo sapiens splicing factor (CC1.4) mRNA, complete cds.	e-117	<NONE>	<NONE>	<NONE>
4854	D00132	Acremonium chrysogenum ARS DNA fragment	1.7	130998	SALIVARY PROLINE-RICH PROTEIN PRECURSOR (CLONE CP7) [CONTAINS: BASIC PEPTIDE P-F] glycoprotein precursor PRB2 - human (fragment) precursor [Homo sapiens]	0.45
4855	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.9

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4856	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4857	AC002186	Homo sapiens (subclone 1_f12 from P1 H115) DNA sequence	1e-041	2072966	(U93570) p40 [Homo sapiens]	4e-013
4858	AF053520	Homo sapiens allele 12 fragile site locus	0.61	<NONE>	<NONE>	<NONE>
4859	X65319	Cloning vector pCAT-Enhancer	2e-077	987050	(X65335) lacZ gene product [unidentified cloning vector]	2e-011
4860	AJ005866	Homo sapiens mRNA for putative Sqv-7- like protein, partial	e-179	4008517	(AJ005866) Sqv- 7-like protein [Homo sapiens]	3e-049
4861	AF052165	Homo sapiens clone 24522 mRNA sequence	4e-072	2065177	(Y12790) Supt5h protein [Homo sapiens] sapiens]	1e-021
4862	M90058	Human serglycin gene, exons 1,2, and 3.	0.005	<NONE>	<NONE>	<NONE>
4863	U17662	Human neurofibromatosis 1 (NF1) gene, exons 4c and 5 and partial cds	1.3	<NONE>	<NONE>	<NONE>
4864	U64453	Human ELK1 pseudogene (ELK2) and immunoglobulin heavy chain gamma pseudogene (IGHGP)	3e-018	<NONE>	<NONE>	<NONE>
4865	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
4866	X16826	Drosophila melanogaster DNA for 60C beta tubulin gene making beta 3 tubulin isoform	2.2	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4867	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-009	<NONE>	<NONE>	<NONE>
4868	X65319	Cloning vector pCAT-Enhancer	8e-081	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
4869	AL031322	S.pombe chromosome II cosmid c17D1	0.38	<NONE>	<NONE>	<NONE>
4870	M11560	Human aldolase A mRNA, complete cds.	0	553861	(J05517) aldolase A [Mus musculus]	2e-066
4871	U28831	Human protein immuno-reactive with anti-PTH polyclonal antibodies mRNA, partial cds. > :: gb[I40055][I40055] Sequence 1 from patent US 5618695	e-106	896065	(U28831) protein that is immuno- reactive with anti- PTH polyclonal antibodies [Homo sapiens]	1e-014
4872	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
4873	<NONE>	<NONE>	<NONE>	107112	mucin, tracheal (AMN-22) - human (fragment)	4e-009
4874	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	<NONE>	<NONE>	<NONE>
4875	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4876	D85752	Enterococcus faecalis plasmid pPD1 bacA, bacB, bacC, bacD, bacE, bacF, bacG, bacH and bacI genes, complete cds	0.042	1123087	(U42436) C49H3.3 gene product [Caenorhabditis elegans]	0.001
4877	AC001443	Homo sapiens (subclone 2 fl0 from BAC 2913	1e-033	2072961	(U93568) putative p150 [Homo sapiens]	3e-007
4878	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-012	<NONE>	<NONE>	<NONE>
4879	S81433	heme oxygenase-2 {5' region, alternative splicing}	4.2	<NONE>	<NONE>	<NONE>
4880	M34312	S.cerevisiae telomeric sequence DNA, clone YLP108CA-4-ii.	5e-010	188864	(M74027) mucin [Homo sapiens]	2e-007
4881	AF075079	Homo sapiens full length insert cDNA YQ80A08	1.00E-12	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	4.6
4882	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.015	3176689	(AC003671) Contains similarity to ubiquitin carboxyl-terminal hydrolase 14 gb Z35927 from S. cerevisiae. [Arabidopsis thaliana]	4.5
4883	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.12	<NONE>	<NONE>	<NONE>
4884	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4885	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
4886	U74586	Rattus norvegicus double-stranded RNA specific adenosine deaminase (RED2) mRNA, complete cds	3.5	2828280	(AL021687) putative protein [Arabidopsis thaliana] >gi 2832633 gnl PI D e1249651 (AL021711) putative protein [Arabidopsis thaliana]	4e-008
4887	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	5e-014	2497599	LAMININ BETA-2 CHAIN PRECURSOR	5.4
4888	D78572	House mouse; Musculus domesticus mRNA for membrane glycoprotein, complete cds > :: dbj E12950 E12950 cDNA GA3-43 encoding novel polypeptide which appear when differentiate from embryo-tumor cell P19 to nerve cell	7e-017	1545807	(D78572) membrane glycoprotein [Mus musculus]	1.2
4889	L07273	Rattus norvegicus carboxypeptidase E (CPE) gene, exon 1.	3.2	<NONE>	<NONE>	<NONE>
4890	Z46629	Homo sapiens SOX9 mRNA. > :: gb G28593 G28593 human STS SHGC-35378.	e-132	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4891	M30802	Human aromatase cytochrome P-450 gene, exon 8.	3.3	<NONE>	<NONE>	<NONE>
4892	M28699	Homo sapiens nucleolar phosphoprotein B23 (NPM1) mRNA, complete cds.	5e-088	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.2
4893	M89955	Human 5-HT1D-type serotonin receptor gene, complete cds.	0	2494923	5-HYDROXYTRYPTAMINE 1D RECEPTOR 1D [Cavia porcellus]	3e-008
4894	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
4895	AF004230	Homo sapiens monocyte/macrophage Ig-related receptor MIR-7 (MIR cl-7) mRNA, complete cds	2e-012	<NONE>	<NONE>	<NONE>
4896	D50463	Mouse SDR1 mRNA, complete cds	0	1806276	(X99337) glycoprotein 55 [Rattus norvegicus]	e-103
4897	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4898	AB014597	Homo sapiens mRNA for KIAA0697 protein, partial cds	2e-067	3327208	(AB014597) KIAA0697 protein [Homo sapiens]	9e-051
4899	AF047598	Homo sapiens origin recognition complex subunit 4 (ORC4L) mRNA, complete cds	e-110	2736149	(AF022108) putative replication initiator origin recognition complex subunit Orc4Lp [Homo sapiens] subunit 4; Orc4p [Homo sapiens]	7e-005

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4900	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
4901	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
4902	U22325	Mus musculus faciogenital dysplasia (Fgd1) mRNA, complete cds.	1.20E+00	<NONE>	<NONE>	<NONE>
4903	U22325	Mus musculus faciogenital dysplasia (Fgd1) mRNA, complete cds.	1.20E+00	<NONE>	<NONE>	<NONE>
4904	U22325	Mus musculus faciogenital dysplasia (Fgd1) mRNA, complete cds.	1.20E+00	<NONE>	<NONE>	<NONE>
4905	U26162	Human myosin regulatory light chain mRNA, complete cds.	0	228542	myosin:SUBUNIT =regulatory light chain	3e-068
4906	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4907	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	3822225	(AF079183) RING-H2 finger protein RHG1a [Arabidopsis thaliana]	4e-006
4908	X65319	Cloning vector pCAT-Enhancer	1e-075	987050	(X65335) lacZ gene product [unidentified cloning vector]	8e-019
4909	AJ010475	Arabidopsis thaliana mRNA for DEAD box RNA helicase, RH28	0.62	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4910	U48364	Mus musculus muscle-specific transcriptional activator alpha-NAC gp220 (Naca) mRNA, complete cds	0.2	<NONE>	<NONE>	<NONE>
4911	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4912	J03750	Mouse single stranded DNA binding protein p9 mRNA, complete cds.	e-135	1709514	ACTIVATED RNA POLYMERASE II TRANSCRIPTIO NAL COACTIVATOR P15 (PC4) (P14) cofactor p15 - human >gi 531395 (U12979) PC4 [Homo sapiens] >gi 619161 (X79805) PC4, p15 [Homo sapiens]	1e-020
4913	U70263	Border disease virus strain BD31, complete genome	3.2	<NONE>	<NONE>	<NONE>
4914	AB012086	Canine herpesvirus gene for immediate-early protein, complete cds	0.37	<NONE>	<NONE>	<NONE>
4915	X05908	Human mRNA for lipocortin	e-162	113944	ANNEXIN I (LIPOCORTIN I) (CALPACTIN II) (CHROMOBINDIN 9) (P35) (PHOSPHOLIPASE A2 INHIBITORY PROTEIN) >gi 71756 pir LU HU annexin I - human >gi 34388	9e-041
4916	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4917	U90911	Human clone 23652 mRNA sequence	0.13	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4918	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	8e-007	<NONE>	<NONE>	<NONE>
4919	X57830	H.sapiens serotonin 5-HT2 receptor mRNA > :: gb G28536 G285 36 human STS SHGC-31576.	4e-011	<NONE>	<NONE>	<NONE>
4920	U67559	Methanococcus jannaschii section 101 of 150 of the complete genome	3.5	<NONE>	<NONE>	<NONE>
4921	M20020	Human ribosomal protein S6 mRNA, complete cds.	0	133978	40S RIBOSOMAL PROTEIN S6 protein S6 - rat >gi 70933 pir R3 MS6 ribosomal protein S6 - mouse >gi 319910 pir R3 HU6 ribosomal protein S6 - human >gi 36148 (X67309) ribosomal protein S6 [Homo sapiens] >gi 54010 (Y00348) ribosomal protein S6 [Mus musculus] >g	2e-072
4922	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
4923	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	6e-006	<NONE>	<NONE>	<NONE>
4924	X76683	Plasmid vector pHM2 betalactamase gene	e-160	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4925	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4926	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	0.002	<NONE>	<NONE>	<NONE>
4927	D50369	Homo sapiens mRNA for low molecular mass ubiquinone-binding protein, complete cds	e-152	3024781	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX UBIQUINONE-BINDING PROTEIN QP-C PROTEIN) (COMPLEX III SUBUNIT VII) >gi 2605590 (D50369) low molecular mass ubiquinone-binding protein [Homo sapiens]	6e-023
4928	M63391	Human desmin gene, complete cds.	4e-013	<NONE>	<NONE>	<NONE>
4929	D38417	Mouse mRNA for arylhydrocarbon receptor, complete cds	e-110	<NONE>	<NONE>	<NONE>
4930	U38253	Rattus norvegicus initiation factor eIF-2B gamma subunit (eIF-2B gamma) mRNA, complete cds	e-175	2494312	TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EXCHANGE FACTOR) subunit [Rattus norvegicus]	4e-040
4931	D38417	Mouse mRNA for arylhydrocarbon receptor, complete cds	e-110	<NONE>	<NONE>	<NONE>
4932	U50767	Mus musculus alpha 1 type I collagen gene, partial cds and 3' flanking region.	1.2	<NONE>	<NONE>	<NONE>
4933	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4934	U86137	Mus musculus telomerase protein-1 mRNA, complete cds	1.70E-01	3327208	(AB014597) KIAA0697 protein [Homo sapiens]	9e-006
4935	S57980	Crp1=cystatin-related protein-1 [rats, Genomic, 7673 nt]	0.041	<NONE>	<NONE>	<NONE>
4936	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4937	AB012047	Arabidopsis thaliana gene for sulfate transporter, complete cds, clone:AST56	0.14	3915658	ATP-DEPENDENT RNA HELICASE A helicase II [Homo sapiens]	6.1
4938	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
4939	AB018374	Mus musculus GARP34 mRNA, complete cds	3e-037	<NONE>	<NONE>	<NONE>
4940	AF001498	Campylobacter jejuni polysaccharide biosynthesis protein homolog gene, partial cds, galactosyl transferase homolog, UDP-galactose phosphate transferase homolog, acetyl transferase homolog and aminotransferase homolog gen...	3e-005	<NONE>	<NONE>	<NONE>
4941	J04617	Human elongation factor EF-1-alpha gene, complete cds. > :: dbj E02629 E02629 DNA of human polypeptide chain elongation factor-	3e-090	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
		1 alpha				
4942	Z54349	H.sapiens MN/CA9 GENE	2e-007	<NONE>	<NONE>	<NONE>
4943	AF077374	Homo sapiens small proline-rich protein (SPRR3) gene, exons 1, 2, and 3 and complete cds	1.3	<NONE>	<NONE>	<NONE>
4944	X59828	Human chromosome 22 flanking hypervariable simple repeat DNA (clone HZREP42)	0.0003	<NONE>	<NONE>	<NONE>
4945	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1.00E-09	124180	TRANSCRIPTIO NAL REGULATOR IE63 human herpesvirus 1 (strain 17) herpesvirus 1] >gi 221713 (D00374) immediate early transcriptional modulating protein IE63 (gene UL54) herpesvirus 1]	5.8
4946	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1.00E-09	124180	TRANSCRIPTIO NAL REGULATOR IE63 human herpesvirus 1 (strain 17) herpesvirus 1] >gi 221713 (D00374) immediate early transcriptional	5.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					modulating protein IE63 (gene UL54) herpesvirus 1]	
4947	X76683	Plasmid vector pHM2 betalactamase gene	8e-092	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
4948	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4949	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-04	<NONE>	<NONE>	<NONE>
4950	X16972	Drosophila melanogaster cecropin gene cluster	1.20E-01	1362688	morphogen Xhh precursor - African clawed frog >gi 790938 (L39213) morphogen [Xenopus laevis]	1.9
4951	U12022	Human calmodulin (CALM1) gene, exons 2,3,4,5 and 6, and complete cds	0	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.9
4952	X56536	Rabbit mRNA for pH regulatory protein (Na ⁺ /H ⁺ exchanger), partial	2.3	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi 1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	4e-018

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4953	AF037438	Homo sapiens short chain L-3-hydroxyacyl-CoA dehydrogenase (SCHAD) gene, complete cds	2e-006	<NONE>	<NONE>	<NONE>
4954	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	4e-012	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	3.4
4955	AB000467	Homo sapiens mRNA, partial cds, clone:RES4-25	2e-012	<NONE>	<NONE>	<NONE>
4956	U31525	Human glycogenin mRNA, complete cds	0	1707996	GLYCOGENIN >gi 2135280 pir J C4695 glycogenin glucosyltransferase (EC 2.4.1.186) - human	5e-042
4957	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4958	AF003836	Mesocricetus auratus isopentenyl diphosphate:dime thylallyl diphosphate isomerase mRNA, complete cds	1.30E+00	<NONE>	<NONE>	<NONE>
4959	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4960	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4961	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4.90E-02	<NONE>	<NONE>	<NONE>
4962	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4.90E-02	<NONE>	<NONE>	<NONE>
4963	L32537	Homo sapiens (clone XP6G6B) mRNA, partial EST.	5.00E-03	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4964	L32537	Homo sapiens (clone XP6G6B) mRNA, partial EST.	5.00E-03	<NONE>	<NONE>	<NONE>
4965	X63787	T.thermophila gene for snRNA U3-2	0.41	<NONE>	<NONE>	<NONE>
4966	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4967	U27341	Bos taurus endothelin converting enzyme-2 Sequence 1 from patent US 5736376	7e-015	<NONE>	<NONE>	<NONE>
4968	U35114	Human apolipoprotein E (APOE) gene, hepatic control region HCR-2	9e-005	<NONE>	<NONE>	<NONE>
4969	M86374	Rat tropoelastin gene, intron 25 (partial).	0.13	<NONE>	<NONE>	<NONE>
4970	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
4971	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
4972	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	<NONE>	<NONE>	<NONE>
4973	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7.00E-07	<NONE>	<NONE>	<NONE>
4974	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7.00E-07	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4975	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	7.00E-07	<NONE>	<NONE>	<NONE>
4976	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.005	2995290	(AL022268) putative transmembrane transport protein [Streptomyces coelicolor]	1.50E-02
4977	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.005	2995290	(AL022268) putative transmembrane transport protein [Streptomyces coelicolor]	1.50E-02
4978	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.005	2995290	(AL022268) putative transmembrane transport protein [Streptomyces coelicolor]	1.50E-02
4979	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2.00E-05	2983512	(AE000718) putative protein [Aquifex aeolicus]	2.2
4980	X56536	Rabbit mRNA for pH regulatory protein (Na ⁺ /H ⁺ exchanger), partial	2.3	119110	EBNA-1 NUCLEAR PROTEIN herpesvirus 4 (strain B95-8) >gi1334880 (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]	4e-018
4981	Z11508	A.thaliana rpl15 gene for plastid ribosomal protein CL15	5.00E-03	3283910	(AF070638) unknown [Homo sapiens]	2.5
4982	X95834	H.sapiens DNA sequence surrounding NotI site, clone NRLA143D	7e-070	1588365	signal peptidase:SUBUNIT=12kD [Homo sapiens]	1e-043

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4983	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	2e-007	4008081	(AF106835) putative DnaJ [Methylovorus sp. strain SS1]	3e-010
4984	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4985	U43626	Human chromosome 15q11-q13 putative DNA replication origin in the g-aminobutyric acid receptor b3 and a5 gene cluster	2e-018	2197085	(AF003535) ORF2-like protein [Homo sapiens]	0.0002
4986	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4987	D21272	Rice mRNA for ADP-glucose pyrophosphorylase	1.1	1708084	EXOGLUCANASE B PRECURSOR 1,4-beta-cellobiosidase (EC 3.2.1.91) precursor - Cellulomonas fimi >gi 790698 (L38827) beta-1,4-cellobiohydrolase [Cellulomonas fimi]	5.8
4988	U59706	Gallus gallus alternatively spliced AMPA glutamate receptor, isoform GluR2 flop, (GluR2) mRNA, partial cds.	0.015	<NONE>	<NONE>	<NONE>
4989	AF086033	Homo sapiens full length insert cDNA clone YW26E09	e-174	<NONE>	<NONE>	<NONE>
4990	L31840	Rattus norvegicus nuclear pore complex protein NUP107 mRNA, complete cds.	e-179	1709212	NUCLEAR PORE COMPLEX PROTEIN NUP107	2e-083

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4991	AF052144	Homo sapiens clone 24573 and 24786 mRNA sequences	e-170	1174415	SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) >gi 345426 pir A44112 spidroin 2, dragline silk fibroin - orb spider (Nephila clavipes) (fragment) clavipes]	4.8
4992	M22406	Human intestinal mucin mRNA, partial cds, clone SMUC 42.	0.085	188864	(M74027) mucin [Homo sapiens]	1e-009
4993	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
4994	U24697	Chironomus samoensis nanos homolog (Cs nos) gene, complete cds.	0.13	3880999	(AL021492) Y45F10D.11 [Caenorhabditis elegans]	7e-022
4995	M64716	Human ribosomal protein S25 mRNA, complete cds.	4e-074	2943738	(AB011550) Drosophila Policombl-like-related gene containing PHD fingers. [Mus musculus]	4e-011
4996	X54326	H.sapiens mRNA for glutaminyl-tRNA synthetase	0	135104	MULTIFUNCTIONAL AMINOACYL-TRNA SYNTHETASE (CONTAINS: GLUTAMYL-TRNA SYNTHETASE glutamyl-prolyl-tRNA synthetase - human >gi 31958	1e-088
4997	Z12112	pWE15A cosmid vector DNA	2e-028	987050	(X65335) lacZ gene product [unidentified cloning vector]	2e-007
4998	Z62939	H.sapiens CpG DNA, clone 75f1, forward read cpg75f1.ft1b .	3e-010	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
4999	<NONE>	<NONE>	<NONE>	2134574	mucin - rhesus macaque (fragment) >gi 437055	5e-005
5000	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	9e-009	<NONE>	<NONE>	<NONE>
5001	Z93950	H.sapiens DNA; chromosome Y repeat regions	0.15	<NONE>	<NONE>	<NONE>
5002	X64037	H.sapiens mRNA for RNA polymerase II associated protein RAP74	5e-056	<NONE>	<NONE>	<NONE>
5003	M37583	Human histone (H2A.Z) mRNA, complete cds.	e-132	121994	HISTONE H2A.Z >gi 89608 pir S03 642 histone H2A.Z - bovine >gi 92380 pir S03 644 histone H2A.Z - rat >gi 106267 pir A3 5881 histone H2A.Z - human sapiens] >gi 57808 (X52316) histone H2A.Z (AA 1-127) taurus] >gi 184060 (M37583) histone (H2A.Z) [Homo sapien	2e-044
5004	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	<NONE>	<NONE>	<NONE>
5005	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	4e-011	<NONE>	<NONE>	<NONE>
5006	M94764	Glycine max cv. Dare nodulin 26 gene fragment.	0.043	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5007	Z34287	B.subtilis (SO113) genomic DNA (5425bp)	1.2	<NONE>	<NONE>	<NONE>
5008	X76683	Plasmid vector pHM2 betalactamase gene	6e-078	987050	(X65335) lacZ gene product [unidentified cloning vector]	2e-014
5009	D17577	Mouse mRNA for kinesin-like protein (Kif1b), complete cds	e-109	2497524	KINESIN-LIKE PROTEIN KIF1B mouse >gi 407339 gnl PI D d1005029 (D17577) Kif1b [Mus musculus]	9e-041
5010	X91192	H.sapiens PLC beta 3 gene (exon 1) and SOM172 gene (exon 1)	1e-096	3294231	(AJ223970) mono-methyl transferase	3
5011	D88271	Human (lambda) DNA for immunoglobulin light chain	1e-021	<NONE>	<NONE>	<NONE>
5012	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5013	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5014	AF052133	Homo sapiens clone 23970 mRNA sequence	0	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.9
5015	M21731	Human lipocortin-V mRNA, complete cds.	e-169	999934	Annexin V (Lipocortin V, Endonexin Ii, Placental Anticoagulant Protein) Mutant With Glu 17 Replaced By Gly, Glu 78 Replaced By Gln (E17g,E78q) Complexed With Calcium	4e-005

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5016	M21731	Human lipocortin-V mRNA, complete cds.	e-169	999934	Annexin V (Lipocortin V, Endonexin II, Placental Anticoagulant Protein) Mutant With Glu 17 Replaced By Gly, Glu 78 Replaced By Gln (E17G,E78Q) Complexed With Calcium	4e-005
5017	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5018	L44118	Homo sapiens proximal CMT1A-REP repeat	0.0005	<NONE>	<NONE>	<NONE>
5019	Y16849	Bacillus sp. D3 xynA and abfA genes and ORF1	2e-015	<NONE>	<NONE>	<NONE>
5020	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	465975	PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III >gi 482102 pir S40731 ATP-dependent RNA helicase homolog T26G10.1 - Caenorhabditis elegans >gi 3880293 gnl PI D e1349766 1397-1495 which introduced stop codon at 3' splice; 5' splice looks v.	9e-005
5021	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5022	U02455	Cloning vector rpDR2, complete sequence.	0.35	2132302	hypothetical protein YPR144c - yeast similarity near C-terminus to RNA Polymerase beta subunit (Swiss Prot. accession number P11213) and CCAAT-binding transcription factor (PIR accession number A36368) [Saccharomyces cerevisiae]	1e-031
5023	X97999	H.sapiens mRNA for transcription factor IID, subunit TAFII55	0	3024690	TRANSCRIPTION INITIATION FACTOR TFIID 55 KD SUBUNIT (TAFII-55) (TAFII55) factor IID [Homo sapiens]	4e-083
5024	X71642	M.musculus GEG-154 mRNA	3e-092	<NONE>	<NONE>	<NONE>
5025	X71642	M.musculus GEG-154 mRNA	3e-092	<NONE>	<NONE>	<NONE>
5026	AB018270	Homo sapiens mRNA for KIAA0727 protein, partial cds	4e-061	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	7.6
5027	D90086	Human pyruvate dehydrogenase (EC 1.2.4.1) beta subunit gene, exons 1-10	4e-011	2143936	probable regulatory protein 322 - rat	7.7
5028	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.002	<NONE>	<NONE>	<NONE>
5029	X65319	Cloning vector pCAT-Enhancer	2e-081	987050	(X65335) lacZ gene product [unidentified cloning vector]	3e-015
5030	<NONE>	<NONE>	<NONE>	188864	(M74027) mucin [Homo sapiens]	0.001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5031	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	0.0002	3258141	(AP000007) 138aa long hypothetical protein [Pyrococcus horikoshii]	9.6
5032	X98001	H.sapiens mRNA for geranylgeranyl transferase II	e-129	2506788	GERANYLGERA NYL TRANSFERASE TYPE II BETA SUBUNIT (RAB GERANYLGERA NYLTRANSFER ASE BETA SUBUNIT) (RAB GERANYL- GERANYLTRAN SFERASE BETA SUBUNIT) transferase II [Homo sapiens]	3e-026
5033	U72789	Human cosmid U197H5, complete sequence [Homo sapiens]	5e-023	<NONE>	<NONE>	<NONE>
5034	U72789	Human cosmid U197H5, complete sequence [Homo sapiens]	5e-023	<NONE>	<NONE>	<NONE>
5035	U19239	Choristoneura fumiferana entomopoxvirus spheroidin gene, complete cds, G4R gene, partial cds, and nucleoside triphosphate phosphohydrolase (NPH I) gene, partial cds.	3.8	<NONE>	<NONE>	<NONE>
5036	U95098	Xenopus laevis mitotic phosphoprotein 44 mRNA, partial cds	8e-009	2690166	(AE000788) B. burgdorferi predicted coding region BBK23	4

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5037	U66871	Human enhancer of rudimentary homolog mRNA, complete cds	0	2498336	ENHANCER OF RUDIMENTARY HOMOLOG homologous to DROER protein [Homo sapiens] >gi 1519519 sapiens]	6e-057
5038	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5039	X99728	H.sapiens NDUFV3 gene, exon 3	3e-092	2829450	NADH-UBIQUINONE OXIDOREDUCTASE 9 KD SUBUNIT PRECURSOR (COMPLEX I-9KD) (CI-9KD)	1e-015
5040	X78730	M. musculus DNA for the flanking sequences of the hypothalamic GRH first exons	2	<NONE>	<NONE>	<NONE>
5041	X84373	H.sapiens mRNA for nuclear factor RIP140 > :: gb G28540 G28540 human STS SHGC-31616.	e-155	<NONE>	<NONE>	<NONE>
5042	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5043	X82272	Human endogenous retrovirus env mRNA	8e-081	1196429	(M14123) pol/env ORF (bases 3878-8257) first start codon at 4172; Xxx; putative [Homo sapiens]	6e-058
5044	AF029982	Mus musculus sarco(endo)plasmic reticulum calcium ATPase (SERCA2) gene, promoter region, exons 1-3, and partial cds	0.003	3873550	(AL033534) serine-rich protein	0.018
5045	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5046	Y12781	Homo sapiens mRNA for transducin (beta) like 1 protein	1e-084	3021409	(Y12781) transducin (beta) like 1 protein [Homo sapiens]	2e-064

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5047	S63912	D10S102=FBRN P [human, fetal brain, mRNA, 3043 nt]	4e-084	<NONE>	<NONE>	<NONE>
5048	X91192	H.sapiens PLC beta 3 gene (exon 1) and SOM172 gene (exon 1)	1e-096	3294231	(AJ223970) mono-methyl transferase	3
5049	X03558	Human mRNA for elongation factor 1 alpha subunit	0	1169475	ELONGATION FACTOR 1-ALPHA 1	e-108
5050	L31783	Mus musculus uridine kinase mRNA, partial cds	3e-029	1718058	URIDINE KINASE (URIDINE MONOPHOSPHO KINASE) >gi 471981 (L31783) uridine kinase	4e-011
5051	X75652	A.longa plastid genes for tRNAs, ribosomal protein, rRNA and elongation factor	1.3	<NONE>	<NONE>	<NONE>
5052	Z93123	M.acuminata mRNA; clone pBAN UD75	1.1	<NONE>	<NONE>	<NONE>
5053	D16901	Human HepG2 3' region cDNA, clone hmd2h05	1.5	<NONE>	<NONE>	<NONE>
5054	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5055	AF043252	Homo sapiens mitochondrial outer membrane protein (Tom40) gene, nuclear gene encoding mitochondrial protein, exons 7, 8 and 9	e-106	3941342	(AF043250) mitochondrial outer membrane protein [Homo sapiens] >gi 3941347 (AF043253) mitochondrial outer membrane protein [Homo sapiens] >gi 4105703 (AF050154) D19S1177E [Homo sapiens]	6e-007
5056	X66494	R.norvegicus CHOT1 mRNA	1e-012	1545807	(D78572) membrane glycoprotein [Mus musculus]	3e-007
5057	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5058	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-007	3513368	(AB017202) entactin-2 [Mus musculus]	3e-005
5059	U77107	Fundulus lineolatus cytochrome b (cytb) gene, mitochondrial gene encoding mitochondrial protein, partial cds	0.37	3947877	(AL034382) putative mitosis and maintenance of ploidy protein [Schizosaccharom yces pombe]	7e-026
5060	X52317	Human mRNA for histone H2A.Z	5e-014	<NONE>	<NONE>	<NONE>
5061	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-008	<NONE>	<NONE>	<NONE>
5062	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1.2	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5063	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
5064	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	1e-011	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	1.5
5065	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0002	<NONE>	<NONE>	<NONE>
5066	X15943	Huamn calcitonin/alpha-CGRP gene	1e-012	1575563	(U66464) hematopoietic progenitor kinase [Homo sapiens]	5.6
5067	AF001175	Homo sapiens ribonuclease P protein subunit p14 (Rpp14) mRNA, complete cds	0	4100563	(AF001175) ribonuclease P protein subunit p14 [Homo sapiens]	2e-032
5068	L29260	Arabidopsis thaliana 1-amino-1-cyclopropanecarb oxylate synthase (ACS5) gene, complete cds.	0.41	<NONE>	<NONE>	<NONE>
5069	X57268	Mouse DNA for t-haplotype-specific elements (located in H-2 complex, ETn related)	1.2	<NONE>	<NONE>	<NONE>
5070	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	1e-010	2072296	(U95098) mitotic phosphoprotein 44 [Xenopus laevis]	5.5
5071	Y11896	M.musculus mRNA for Brx gene, partial	3e-018	2196874	(Y11896) BRX protein [Mus musculus]	3e-011

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5072	Y00711	Human mRNA for lactate dehydrogenase B (LDH-B)	0	126041	L-LACTATE DEHYDROGENASE H CHAIN dehydrogenase B (AA 1 - 334) [Homo sapiens] >gi 1200083	e-102
5073	AF065482	Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds	0	3152938	(AF065482) sorting nexin 2 [Homo sapiens]	3e-072
5074	M86374	Rat tropoelastin gene, intron 25 (partial).	0.13	<NONE>	<NONE>	<NONE>
5075	D50418	Mouse mRNA for AREC3, partial cds	6e-047	2495271	SKELETAL MUSCLE-SPECIFIC ARE BINDING PROTEIN AREC3 (HOMEBOX PROTEIN SIX4) M18) - mouse >gi 1255626 gnl PI D d1009550 (D50416) AREC3	2e-006
5076	D17448	Microcystis aeruginosa plasmid pMA2 DNA, complete genome sequence	0.13	<NONE>	<NONE>	<NONE>
5077	M29548	Human elongation factor 1-alpha (EF1A) mRNA, partial cds.	e-166	1169475	ELONGATION FACTOR 1-ALPHA 1	6e-010
5078	AF081496	Homo sapiens kinetochore protein BUB3 (BUB3) mRNA, complete cds	6e-044	2921873	(AF047472) spleen mitotic checkpoint BUB3 [Homo sapiens] protein BUB3 [Homo sapiens]	3e-006
5079	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
5080	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5081	M14123	Human endogenous retrovirus HERV-K10.	2e-065	1196429	(M14123) pol/env ORF (bases 3878-8257) first start codon at 4172; Xxx; putative [Homo sapiens]	6e-037
5082	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5083	D30655	Homo sapiens mRNA for eukaryotic initiation factor 4AII, complete cds	0	673433	(X56953) protein synthesis initiation factor 4A [Mus musculus]	2e-092
5084	X16869	Human mRNA for elongation factor 1-alpha (clone CEF4)	5e-045	3122072	ELONGATION FACTOR 1-ALPHA 1 chicken >gi 488468 (L00677) elongation factor 1 alpha	1e-009
5085	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5086	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5087	U78310	Homo sapiens pescadillo mRNA, complete cds	e-122	2194203	(U78310) pescadillo [Homo sapiens]	9e-009
5088	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5089	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-005	<NONE>	<NONE>	<NONE>
5090	U09368	Human zinc finger protein ZNF140	0	1731416	ZINC FINGER PROTEIN 140 human >gi 487787 (U09368) zinc finger protein ZNF140	2e-062
5091	M98509	Human NFB genomic fragment.	1e-010	<NONE>	<NONE>	<NONE>
5092	AB002322	Human mRNA for KIAA0324 gene, partial cds	e-130	2996650	(AC004493) KIAA0324 [Homo sapiens]	9e-018
5093	AJ007670	Homo sapiens mRNA for LGMD2B protein	2e-014	403460	(L24521) transformation-related protein [Homo sapiens]	3.8

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5094	X16869	Human mRNA for elongation factor 1-alpha (clone CEF4)	0	181967	(M29548) elongation factor 1-alpha [Homo sapiens]	2e-036
5095	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>
5096	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0005	<NONE>	<NONE>	<NONE>
5097	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
5098	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	2e-006	<NONE>	<NONE>	<NONE>
5099	U45421	Borrelia burgdorferi 2.9-1 locus, ORF 5-8, ORF-A-D, REP+, REP-, and lipoprotein (LP) genes, complete cds	0.014	3510605	(AF044267) gyrase subunit B [Chlamydia trachomatis]	3.4
5100	L54057	Homo sapiens CLP mRNA, partial cds.	0	<NONE>	<NONE>	<NONE>
5101	D14660	Human mRNA for KIAA0104 gene, complete cds	0	1350786	PUTATIVE 60S RIBOSOMAL PROTEIN sapiens] >gi 3947438 (AC005034) ribosomal protein-like	e-111

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5102	X78627	H.sapiens mRNA for translin.	0	1082873	translin - human >gi 607130 (X78627) translin [Homo sapiens] >gi 1586346 prf 2203413A recombination hotspot-binding protein [Homo sapiens]	5e-068
5103	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	0.0001	<NONE>	<NONE>	<NONE>
5104	M12585	Mouse alpha-1 antitrypsin gene, segment 1.	2e-006	3873550	(AL033534) serine-rich protein	1.7
5105	X52967	Human mRNA for ribosomal protein L7	0	423072	ribosomal protein L7 - human	7e-061
5106	U95094	Xenopus laevis XL-INCENP (XL-INCENP) mRNA, complete cds	7e-007	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5107	X78722	M.musculus GLUT2 gene for glucose transporter	0.34	1685115	(U68754) putative transcription factor [Dictyostelium discoideum]	3.8
5108	AF002677	Dictyostelium discoideum DEAD-box RNA helicase	0.28	3293508	(AF069188) NADH dehydrogenase 1 [Ephedrus laevicollis]	0.81
5109	AB018263	Homo sapiens mRNA for KIAA0720 protein, partial cds	0.87	107240	oncogene 1 (tre-2 locus) (clone 210) - human	0.19
5110	AF017115	Homo sapiens cytochrome c oxidase subunit IV precursor (COX4) gene, nuclear gene encoding mitochondrial protein, complete cds	0.77	<NONE>	<NONE>	<NONE>
5111	AE001383	Plasmodium falciparum chromosome 2, section 20 of 73 of the complete sequence	0.15	2315754	(AF016681) No definition line found [Caenorhabditis elegans]	9.6
5112	D49577	Pig mRNA for rearranged T-cell receptor delta-chain/Vdelta1.14-Deltas-Jdelta1, partial cds	0.91	<NONE>	<NONE>	<NONE>
5113	U63810	Homo sapiens WD40 protein Ciao 1 mRNA, complete cds	0.0	3219331	(AC004020) Unknown gene product [Homo sapiens]	3e-92
5114	AF085858	Homo sapiens full length insert cDNA clone YN49B07	e-172	3329465	(AF064553) NSD1 protein [Mus musculus]	8e-54
5115	X01682	Mouse gene for cytochrome P3-450	0.026	1381394	(U40989) tat interactive protein [Homo sapiens]	4.0

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5116	AE001432	Plasmodium falciparum chromosome 2, section 69 of 73 of the complete sequence	1.5	3873713	(Z74026) cDNA EST yk452h4.3 comes from this gene; cDNA EST yk452h4.5 comes from this gene	9e-11
5117	U31973	Human phosphodiesterase A' subunit (PDE6C) mRNA, complete cds. > :: gb G28549 G28549 human STS SHGC-31657.	2.3	136976	PROTEIN UL87 >gi 76594 pir S09851 hypothetical protein UL87 - human cytomegalovirus cytomegalovirus]	8.1
5118	X02212	Chicken alpha-cardiac actin gene	2.6	<NONE>	<NONE>	<NONE>
5119	AE000838	Methanobacterium thermoautotrophicum from bases 494834 to 505698 (section 44 of 148) of the complete genome	0.89	765086	(D30786) feline CD9 [Felis catus]	1.4
5120	U89744	Rattus norvegicus putative cell surface antigen mRNA, complete cds	0.68	728850	GLUCOAMYLASE S1/S2 PRECURSOR (GLUCAN 1,4-ALPHA-GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) >gi 626156 pir S48478 glucan 1,4-alpha-glucosidase (EC 3.2.1.3) - yeast stal, len: 1367, CAI: 0.3, AMYH_YEAST P08640 GLUCOAMYLASE S1 (EC 3.2.1.3) [Saccharomyc	9e-06

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5121	J04974	Human alpha-2 type XI collagen mRNA (COL11A2).	1.2	114887	BREAKPOINT CLUSTER REGION PROTEIN protein, splice form 1 - human >gi 29421 (X02596) bcr gene product [Homo sapiens]	9.4
5122	AL021806	Homo sapiens DNA sequence from PAC 779B17 on chromosome 22q13.1. Contains exon trap, complete sequence	0.046	2827756	EPHRIN TYPE-A RECEPTOR 1 PRECURSOR	1.9
5123	X68826	P.sativum mRNA for fructose 1,6 biphosphatase	0.95	1314248	(U24681) NADH:cytochrome c reductase [synthetic construct]	2e-05
5124	M14431	Bacteriophage phi-29 gene-16 gene, complete cds.	0.035	<NONE>	<NONE>	<NONE>
5125	U17033	Human 180 kDa transmembrane PLA2 receptor mRNA, complete cds.	0.36	722372	(U23139) similar to beta transducin proteins containing TRP-ASP domains [Caenorhabditis elegans]	3e-08
5126	Z50202	P.vulgaris arc5-1 gene	0.007	1151256	(U43319) transmembrane receptor [Mus musculus]	0.13
5127	AF013711	Homo sapiens 22 kDa actin-binding protein	2e-10	<NONE>	<NONE>	<NONE>
5128	AF086324	Homo sapiens full length insert cDNA clone ZD53E07	5e-09	3318653	(U83192) post-synaptic density protein 95 [Homo sapiens]	0.001
5129	D90117	T. thermophila mRNA for citrate synthase (EC 4.1.3.7)	0.63	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5130	D45105	Metschnikowia reukaufii 26S rRNA, partial sequence	0.78	<NONE>	<NONE>	<NONE>
5131	D85088	Ectoplasma limuli DNA for 18s ribosomal RNA	0.41	267408	PROBABLE DNA PACKAGING PROTEIN packaging protein [Human herpesvirus 4]	7.2
5132	X89886	P.patens mRNA for 5-aminolevulinate dehydratase	0.41	3875246	(Z81490) similar to WD domain, G-beta repeats (2 domains); cDNA EST EMBL:T00482 comes from this gene; cDNA EST EMBL:T00923 comes from this gene; cDNA EST yk449d4.3 comes from this gene; cDNA EST yk449d4.5 comes from this gen...	2e-22
5133	AB014564	Homo sapiens mRNA for KIAA0664 protein, partial cds	0.0	2981221	(AF053091) eyelid [Drosophila melanogaster]	0.076
5134	AE001403	Plasmodium falciparum chromosome 2, section 40 of 73 of the complete sequence	0.003	2495297	HYPOTHETICAL 26.3 KD HOMEBOX PROTEIN C02F12.5 IN CHROMOSOME X >gi 1109893 (U41545) strong similarity to homeobox proteins; similar to inhibitor domain of tissue factor pathway inhibitor	3.7

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5135	U92574	Fugu rubripes homeobox protein HOXB-1 (FrHOXB-1) gene, complete cds	0.54	<NONE>	<NONE>	<NONE>
5136	U31118	Xenopus laevis cytoplasmic myosin II regulatory light chain mRNA, complete cds	0.26	3879530	(Z49130) cDNA EST yk486b9.3 comes from this gene; cDNA EST yk486b9.5 comes from this gene	8e-07
5137	L49035	Gorilla gorilla ABC-transporter (TAP2) mRNA, complete cds	0.21	4007066	(AJ131571) X protein [Hepatitis B virus]	1.3
5138	AF068628	Mus musculus DNA cytosine-5 methyltransferase 3B3 (Dnmt3b) mRNA, alternatively spliced, complete cds	4e-04	<NONE>	<NONE>	<NONE>
5139	M64982	Human fibrinogen alpha chain gene, complete mRNAs.	0.062	<NONE>	<NONE>	<NONE>
5140	M19262	Rat clathrin light chain (LCB3) mRNA, complete cds.	0.25	2088802	(AF003151) D1007.4 gene product [Caenorhabditis elegans]	0.012
5141	X94947	L.esculentum mRNA for homeobox protein	3.7	2315770	(AF016683) K09F6.1 gene product [Caenorhabditis elegans]	0.096
5142	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>	<NONE>
5143	M33782	Human TFEB protein mRNA, partial cds.	0.36	<NONE>	<NONE>	<NONE>
5144	AB011098	Homo sapiens mRNA for KIAA0526 protein, complete cds	2e-07	2501115	TBX2 PROTEIN (T-BOX PROTEIN 2)	0.90

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5145	AF039029	Homo sapiens snurportin1 mRNA, complete cds	0.0	3834390	(AF039029) snurportin1 [Homo sapiens]	e-108
5146	U22970	Human interferon-inducible peptide (6-16) gene, complete cds	0.21	<NONE>	<NONE>	<NONE>
5147	D63880	Human mRNA for KIAA0159 gene, complete cds	2e-64	<NONE>	<NONE>	<NONE>
5148	AB011174	Homo sapiens mRNA for KIAA0602 protein, partial cds	e-164	3043728	(AB011174) KIAA0602 protein [Homo sapiens]	2e-53
5149	AF053551	Homo sapiens metaxin 2 (MTX2) mRNA, nuclear gene encoding mitochondrial protein, complete cds	0.0	3283049	(AF053551) metaxin 2 [Homo sapiens]	1e-76
5150	Y13382	Arabidopsis thaliana ferrochelatase-I gene and promoter sequence	0.012	<NONE>	<NONE>	<NONE>
5151	AF044854	Colias eurytheme large subunit ribosomal RNA gene, partial sequence; tRNA-Val gene, complete sequence; and small subunit ribosomal RNA gene, partial sequence, mitochondrial genes for mitochondrial RNAs	1.3	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5152	AF005059	Toxoplasma gondii p97 mRNA, complete cds	0.90	2570049	(Y08701) Pinin [Mus musculus]	1.3
5153	D84307	Human mRNA for phosphoethanolamine cytidyltransferase, complete cds	0.013	<NONE>	<NONE>	<NONE>
5154	D38050	Aspen prxA3a gene for peroxidase, complete cds	0.018	1723942	HYPOTHETICAL 20.8 KD PROTEIN IN COX4-GTS1 INTERGENIC REGION >gi 2131614 pir S61134 hypothetical protein YGL183c - yeast (Saccharomyces cerevisiae) >gi 1143564 gnl PI D e199057 (X91489) putative HMG box [Saccharomyces cerevisiae]	0.39
5155	AL010208	Plasmodium falciparum DNA *** SEQUENCING IN PROGRESS *** from contig 3-103, complete sequence	0.13	1850115	(Z86089) fadD2 [Mycobacterium tuberculosis]	1.5
5156	U07807	Human metallothionein IV (MTIV) gene, complete cds.	0.004	<NONE>	<NONE>	<NONE>
5157	AF048991	Homo sapiens MutS homolog 5 (MSH5) gene, exons 13 through 25 and complete cds	0.001	3986756	(AF109905) NG23 [Mus musculus]	0.007

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5158	U39079	Schizosaccharomyces pombe ARS binding protein 1	0.50	<NONE>	<NONE>	<NONE>
5159	X01706	Mouse intracisternal A-particle (IAP) gene 62 long terminal repeat (LTR)	0.41	2224713	(AB002384) KIAA0386 [Homo sapiens]	8e-04
5160	AF030558	Rattus norvegicus phosphatidylinositol 5-phosphate 4-kinase gamma mRNA, complete cds	8e-13	<NONE>	<NONE>	<NONE>
5161	L06453	Strongylocentrotus purpuratus (clone C) high mobility group 1 protein (HMG1 homologue) gene, complete cds.	0.33	3914031	BETA-GALACTOSIDE SPECIFIC LECTIN I A CHAIN (MLA) (ML-I A) (RRNA N-GLYCOSIDASE)	0.087
5162	Z68320	Caenorhabditis elegans cosmid W07A12, complete sequence [Caenorhabditis elegans]	0.28	2500558	PUTATIVE RIBONUCLEASE III (RNASE III) >gi 3876420 gnl PI D e1346063 (Z81070) similar to ribonuclease [Caenorhabditis elegans]	2e-25
5163	U40397	Mus musculus serum amyloid A-4 protein (Saa4) gene, complete cds	5e-04	<NONE>	<NONE>	<NONE>
5164	X00367	Chlamydomonas chloroplast DNA region with ARS element 03 (ARS = autonomously replicating sequence)	0.046	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5165	U43838	Glycine max choline kinase GmCK1p mRNA, complete cds	1.2	132918	50S RIBOSOMAL PROTEIN L35, CHLOROPLAST PRECURSOR (CL35) >gi 81486 pir A36107 ribosomal protein L35 precursor, chloroplast - spinach oleracea]	2.4
5166	U67590	Methanococcus jannaschii section 132 of 150 of the complete genome	0.097	<NONE>	<NONE>	<NONE>
5167	AB006787	Mus musculus mRNA for apoptosis signal-regulating kinase 1, complete cds	0.39	1263187	(U24215) HOMODA hydrolase [Pseudomonas putida] putida]	0.83
5168	U43567	Trypanosoma cruzi kinetoplast maxicircle DNA, clone TRCKPMAX	0.054	<NONE>	<NONE>	<NONE>
5169	U04706	Bos taurus 50 kDa protein (adp50) mRNA, complete cds.	0.0	2498104	ADRENAL MEDULLA 50 KD PROTEIN	8e-83
5170	L14684	Rattus norvegicus nuclear-encoded mitochondrial elongation factor G mRNA, complete cds.	e-137	585084	ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G) >gi 543383 pir S40780 translation elongation factor G, mitochondrial - rat >gi 310102	3e-59
5171	U01120	Human glucose-6-phosphatase mRNA, complete cds. >	2e-04	544361	GLUCOSE-6-PHOSPHATASE (G6PASE) 3.1.3.9) - human >gi 452444 (U01120) glucose-6-phosphatase [Homo sapiens]	4e-12

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5172	D87671	Rat mRNA for TIP120, complete cds	e-144	1799570	(D87671) TIP120 [Rattus norvegicus]	3e-69
5173	U22296	Rattus norvegicus casein kinase 1 gamma 1 isoform mRNA, complete cds	e-120	3024053	CASEIN KINASE I, GAMMA 1 ISOFORM kinase 1 gamma 1 isoform [Rattus norvegicus]	8e-54
5174	Y07648	A.thaliana nit2 gene, nit1 gene and nit3 gene	0.007	2429486	(AF025464) No definition line found [Caenorhabditis elegans]	9.5
5175	AB013721	Oryctolagus cuniculus mRNA for mitsugumin 23, complete cds	3e-91	3628745	(AB013721) mitsugumin 23 [Oryctolagus cuniculus]	0.006
5176	M74069	Saccharomyces cerevisiae endochitinase (CTS1-1) gene, complete cds.	2.5	<NONE>	<NONE>	<NONE>
5177	Z61469	H.sapiens CpG DNA, clone 52h1, forward read cpg52h1.ft1a	1e-77	1184072	(U40766) COL-1 [Meloidogyne incognita]	0.002
5178	AF015043	Homo sapiens EH-binding protein mRNA, partial cds	0.0	2492914	APOLIPOPROTEIN C-IV PRECURSOR cluster E-C1-C2 linked gene [Mus musculus]	3.0
5179	X74560	H.sapiens (clone pS2) sequence	3e-04	3687469	(AL031798) putative diphthine synthase	3e-23
5180	X94768	H.sapiens RP3 gene (XLRP gene 3)	1e-05	<NONE>	<NONE>	<NONE>
5181	X80937	M.musculus mRNA for RIP1 protein	0.48	107750	synapsin Ib - human	3e-04
5182	M12759	Human Ig J chain gene, exons 3 and 4.	0.036	<NONE>	<NONE>	<NONE>

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5183	M30773	Human calcineurin B mRNA, complete cds	0.002	3878494	(Z79602) predicted using Genefinder; Similarity to Yeast hypothetical protein YAE2 gene; cDNA EST EMBL:M88949 comes from this gene	3e-06
5184	U08831	Human immunodeficiency virus type 1, sample 019 from Thailand (E2TH019W.01d1sCD), envelope glycoprotein c2v3 region (env) gene, partial cds.	0.015	<NONE>	<NONE>	<NONE>
5185	Z98303	Human DNA sequence from BAC 140H19 on chromosome Xq24-25. Contains STS	0.005	<NONE>	<NONE>	<NONE>
5186	AE000952	Archaeoglobus fulgidus section 155 of 172 of the complete genome	2e-07	3257245	(AP000003) 571aa long hypothetical oxaloacetate decarboxylase alpha chain [Pyrococcus horikoshii]	5e-08
5187	L48476	Homo sapiens (subclone 3_e10 from P1 H21) DNA sequence.	2e-04	3877439	(Z72510) similarity to yeast UTR3 protein (Swiss Prot accession number P21374); cDNA EST EMBL:D72822 comes from this gene; cDNA EST EMBL:D75763 comes from this gene; cDNA EST yk274e3.3 comes from this gene; cDNA EST	0.19

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
					yk274e3....	
5188	U95102	Xenopus laevis mitotic phosphoprotein 90 mRNA, complete cds	3e-09	<NONE>	<NONE>	<NONE>
5189	AF055022	Homo sapiens clone 24684 mRNA sequence	e-102	2708743	(AC003952) putative Tal-1-like reverse transcriptase	4.0
5190	AJ009761	Homo sapiens mRNA for putative dimethyladenosine transferase, partial	e-121	4050050	(AF102147) putative dimethyladenosine transferase [Homo sapiens]	8e-48
5191	Y08238	H.pylori clpB gene	0.27	1572756	(U70848) C43G2.1 gene product [Caenorhabditis elegans]	1e-21
5192	<NONE>	<NONE>	<NONE>	2828280	(AL021687) putative protein [Arabidopsis thaliana] >gi 2832633 gnl PID e1249651 (AL021711) putative protein [Arabidopsis thaliana]	9e-36
5193	J00747	Rat insulin-I (ins-1) gene.	6e-05	4154522	(AE001441) putative [Helicobacter pylori]	3.2
5194	U64454	Human 3' of immunoglobulin heavy chain locus	0.83	281204	gene LF3 protein - human herpesvirus 4 virus]	0.069

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5195	AB002383	Human mRNA for KIAA0385 gene, complete cds	8e-13	2498318	DXS6673E PROTEIN retardation candidate gene [Homo sapiens]	2e-24
5196	M81840	Human NRL gene product mRNA, complete cds.	0.029	3875740	(Z81497) similar to mannosyl-oligosaccharide alpha-1, 2-mannosidase; cDNA EST EMBL:D67155 comes from this gene; cDNA EST EMBL:D64219 comes from this gene; cDNA EST yk260e12.3 comes from this gene; cDNA EST yk260e12.5 comes f...	6e-18
5197	U12523	Rattus norvegicus ultraviolet B radiation-activated UV98 mRNA, partial sequence.	1e-10	3219914	HYPOTHETICAL 16.8 KD PROTEIN C30D10.04 IN CHROMOSOME II >gi 2276353 gnl PID e330328 pombe]	2e-11
5198	AB017026	Mus musculus mRNA for oxysterol-binding protein, complete cds	0.0	3551523	(AB017026) oxysterol-binding protein	e-120
5199	U83981	Homo sapiens apoptosis associated protein (GADD34) mRNA, complete cds	e-119	3258618	(U83981) apoptosis associated protein [Homo sapiens]	7e-26

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5200	U37580	Streptomyces coelicolor phosphotyrosine protein phosphatase (ptpA) gene, putative cystathionine gamma-lyase (cysA) gene, and LysR-like protein gene, complete cds	0.048	2459916	(AF005859) anon2D7 [Drosophila melanogaster]	0.18
5201	D00723	Human mRNA for hydrogen carrier protein, a component of an enzyme complex, glycine synthase (EC 2.1.2.10)	3e-19	<NONE>	<NONE>	<NONE>
5202	X89366	A.thaliana DNA for 40 kDa protein gene	0.025	1209669	(U38810) CAGR1 [Homo sapiens] >gj3098420 (AF040945) homeotic regulator homolog MAB21 [Mus musculus]	0.008
5203	AF067158	HIV-1 isolate 301905 from India, complete genome	2.4	<NONE>	<NONE>	<NONE>
5204	U09954	Human ribosomal protein L9 gene, 5' region and complete cds.	5e-37	<NONE>	<NONE>	<NONE>
5205	AF029984	Lycopersicon esculentum COP1 homolog (COP1) mRNA, complete cds	7e-37	4090943	(AF029984) COP1 homolog [Lycopersicon esculentum]	2e-49
5206	U43076	Mus musculus cdc37 homolog mRNA, complete cds	2e-17	2655422	(AF035530) CDC37 [Gallus gallus]	2e-22

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5207	U07745	Lycopersicon esculentum biotin-containing subunit of methylcrotonyl-CoA carboxylase mRNA, partial cds.	4e-32	533707	(U12536) 3-methylcrotonyl-CoA carboxylase precursor	4e-49
5208	X74465	Human papillomavirus type 10 genomic DNA	1.3	3879121	(Z70310) predicted using Genefinder; Similarity to Mouse ankyrin (PIR Acc. No. S37771); cDNA EST EMBL:T01923 comes from this gene; cDNA EST EMBL:D32335 comes from this gene; cDNA EST EMBL:D32723 comes from this gene; cDNA ES... Genefinder; Similarity to M	2e-56
5209	X99261	A.evecta gene encoding blue-light photoreceptor, intron	0.14	2257939	(AF005665) properdin [Homo sapiens]	7.6
5210	M35296	Human tyrosine kinase arg gene mRNA.	1.1	1125781	(U42841) short region of weak similarity to chicken limb deformity protein (PIR:S24286) [Caenorhabditis elegans]	0.61
5211	Z57610	H.sapiens CpG DNA, clone 187a10, reverse read cpg187a10.r11a.	e-102	404764	(L10409) fork head related protein [Mus musculus]	1e-16

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5212	X85753	Homo sapiens mRNA for CDK8 protein kinase > :: emb A61243 A61243 Sequence 1 from Patent WO9709432	6e-59	1171821	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5 >gi 559499 gnl PI D e1192548 (X54253) ND5 protein	9.5
5213	U27341	Bos taurus endothelin converting enzyme-2 Sequence 1 from patent US 5736376	7e-61	2136744	endothelin converting enzyme-2 - bovine	3e-29
5214	U63648	Mus musculus p160 myb-binding protein (P160) mRNA, complete cds	4e-58	2645205	(U63648) p160 myb-binding protein [Mus musculus]	2e-34
5215	AF035940	Homo sapiens MAGOH mRNA, complete cds	e-140	2306969	(AF007860) xl-Mago [Xenopus laevis]	3e-76
5216	X80045	O.aries mRNA for acetyl-CoA carboxylase	2e-54	542750	acetyl-CoA carboxylase (EC 6.4.1.2) - human sapiens >gi 740964 prf 2006242A Ac-CoA carboxylase	8e-10
5217	Z46372	R.norvegicus RNA for DNA topoisomerase II.	e-134	3876360	(Z68315) Similarity to Human MAP kinase phosphatase-1 (SW:PTN7_HUMAN) [Caenorhabditis elegans]	3e-12
5218	AF035940	Homo sapiens MAGOH mRNA, complete cds	e-143	2330011	(AF007862) mm-Mago [Mus musculus] >gi 2909828 (AF035939) similar to mago nashi [Mus musculus] >gi 2909830	7e-81

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5219	Z72521	Human DNA sequence from cosmid N29F4 on chromosome 22q11.2-qter contains STS	6e-04	<NONE>	<NONE>	<NONE>
5220	S74340	{clone E572, estrogen induced gene} [rats, Sprague-Dawley, hypothalamus, mRNA Partial, 130 nt]	4e-29	<NONE>	<NONE>	<NONE>
5221	AL008711	Human DNA sequence from PAC 390N22 on chromosome Xp22.2	0.33	1184707	(U40868) folylpolyglutamate synthetase [Homo sapiens]	7.9
5222	AE000012	Mycoplasma pneumoniae section 12 of 63 of the complete genome	0.15	<NONE>	<NONE>	<NONE>
5223	D78333	Human mRNA for testis-specific TCP20, complete cds	e-113	2501141	T-COMPLEX PROTEIN 1, ZETA-LIKE SUBUNIT (TCP-1-ZETA-LIKE) (CCT-ZETA-LIKE) TCP20 [Homo sapiens]	2e-42
5224	AF042333	Oryza sativa 24-methylene lophenol C24(1)methyltransferase mRNA, complete cds	0.003	3883124	(AF082300) arabinogalactan-protein [Arabidopsis thaliana]	0.006
5225	U15426	Human anonymous mRNA sequence with CCA repeat region.	4e-06	1123105	(U42438) similar to S. cerevisiae longevity-assurance protein 1 (SP:P38703) [Caenorhabditis elegans]	0.34

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5226	AF052497	Homo sapiens clone B18 unknown mRNA	0.003	1144514	(U34781) Antho-LWamidII preprohormone [Anthopleura elegantissima] >gi 1586846 prf 2204411A preprohormone	4.3
5227	D86590	Zinnia elegans mRNA for cinnamyl alcohol dehydrogenase, partial cds	0.13	<NONE>	<NONE>	<NONE>
5228	AF081144	Rattus norvegicus CL1AA mRNA, complete cds	5e-14	1718004	TEGUMENT PROTEIN UL49 HOMOLOG herpesvirus 1] >gi 995634 (Z54206) UL49 [Bovine herpesvirus 1] >gi 2653299 gnl PI D e1187295 (AJ004801) virion protein (tegument) [Bovine herpesvirus type 1.1]	1.4
5229	M63016	Human X chromosome enhancer-like sequence.	6e-04	<NONE>	<NONE>	<NONE>
5230	L24755	Mus musculus bone morphogenetic protein (Bmp-1) mRNA, complete cds.	1.2	<NONE>	<NONE>	<NONE>
5231	<NONE>	<NONE>	<NONE>	2828280	(AL021687) putative protein [Arabidopsis thaliana] >gi 2832633 gnl PI D e1249651 (AL021711) putative protein [Arabidopsis thaliana]	9e-36

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5232	U27341	Bos taurus endothelin converting enzyme-2 Sequence 1 from patent US 5736376	1e-22	2136744	endothelin converting enzyme-2 - bovine	2e-09
5233	M81840	Human NRL gene product mRNA, complete cds.	0.030	3875740	(Z81497) similar to mannosyl-oligosaccharide alpha-1, 2-mannosidase; cDNA EST EMBL:D67155 comes from this gene; cDNA EST EMBL:D64219 comes from this gene; cDNA EST yk260e12.3 comes from this gene; cDNA EST yk260e12.5 comes f...	6e-18
5234	AJ000097	Homo sapiens mRNA for EYA1B gene	2.7	3395586	(AL031179) similarity to phosphomannomutases [Schizosaccharomyces pombe]	6e-38
5235	U30788	Rattus norvegicus Tclone4 mRNA	1e-68	3523162	(AF076292) TGF-beta/activin signal transducer FAST-1p	1.4
5236	U88964	Human HEM45 mRNA, complete cds	0.0	2062680	(U88964) HEM45 [Homo sapiens]	7e-77
5237	AF061016	Homo sapiens UDP-glucose dehydrogenase (UGDH) mRNA, complete cds	0.0	3127127	(AF061016) UDP-glucose dehydrogenase [Homo sapiens] dehydrogenase [Homo sapiens]	5e-90
5238	D43921	Mouse AZ1 mRNA for pre-acrosome localization protein, complete cds	3e-15	2137118	acrosomal protein AZ1 - mouse localization protein [Mus musculus]	0.007

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5239	AF056022	Homo sapiens p60 katanin mRNA, complete cds	0.0	3283072	(AF056022) p60 katanin [Homo sapiens]	2e-60
5240	U77949	Human Cdc6-related protein (HsCDC6) mRNA, complete cds	1e-83	<NONE>	<NONE>	<NONE>
5241	AJ005016	Homo sapiens mRNA for putative ABC transporter, partial	0.0	3005931	(AJ005016) ABC transporter [Homo sapiens]	3e-70
5242	X56756	Sheep mRNA for tumor necrosis factor alpha	4.5	<NONE>	<NONE>	<NONE>
5243	AF020833	Homo sapiens eukaryotic translation initiation factor 3 subunit (p42) mRNA, complete cds	0.0	2460200	(AF020833) eukaryotic translation initiation factor 3 subunit [Homo sapiens]	e-158
5244	X69878	H.sapiens Fht4 mRNA for transmembrane tyrosine kinase	4e-43	<NONE>	<NONE>	<NONE>
5245	M27826	Human endogenous retroviral protease mRNA, complete cds.	1e-66	<NONE>	<NONE>	<NONE>
5246	U20285	Human Gps1 (GPS1) mRNA, complete cds	2e-54	644879	(U20285) Gps1 [Homo sapiens]	8e-20
5247	AF049528	Homo sapiens huntingtin-interacting protein HYPA/FBP11 (HYPA) mRNA, partial cds	5e-75	3341990	(AF049528) huntingtin-interacting protein HYPA/FBP11	2e-20

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5248	U87277	Human splicing factor SRp30c gene, exon 1	0.14	267449	HYPOTHETICAL 12.5 KD PROTEIN ZK637.2 IN CHROMOSOME III >gi 102507 pir S15787 hypothetical protein 1 (cosmid ZK637) – Caenorhabditis elegans Genefinder; cDNA EST yk217b5.3 comes from this gene; cDNA EST yk217b5.5 comes from this gene; cDNA EST yk340g12.3	1e-08
5249	D16919	Human HepG2 3' region cDNA, clone hmd3e06	e-164	3152559	(AC002986) Similarity to A. thaliana gene product F21M12.20, gb AC000132. EST gb Z25651 comes from this gene. [Arabidopsis thaliana]	2e-52
5250	AJ006064	Rattus norvegicus mRNA for coronin-like protein	e-142	3757680	(AJ006064) coronin-like protein [Rattus norvegicus]	5e-73
5251	AB011000	Mus musculus mRNA for choline/ethanolamine kinase, complete cds	1e-18	2780752	(AB006607) choline/ethanolamine kinase	0.001

SEQ ID	Nearest Neighbor (BlastN vs. Genbank)			Nearest Neighbor (BlastX vs. Non-Redundant Proteins)		
	ACCESSION	DESCRIPTION	P VALUE	ACCESSION	DESCRIPTION	P VALUE
5252	X80169	M.musculus mRNA for 200 kD protein	0.0	1717793	PROTEIN TSG24 (MEIOTIC CHECK POINT REGULATOR) >gi 1083553 pir A55117 tsg24 protein - mouse	e-150

Table 3 Polynucleotides encoding gene products of a protein family or having a known functional domain(s).

SEQ ID NO:	Validation Sequence	Biological Activity (Profile)	Start	Stop	Score	Direction
3920	393.E10.sp6:148957	7tm_1	531	710	9520	for
2667	172.F10.sp6:133946	7tm_2	45	724	8708	rev
2758	177.C6.sp6:134733	7tm_2	41	697	9828	rev
2933	184.C7.sp6:135556	7tm_2	3	834	8987	for
3129	121.E12.sp6:131940	7tm_2	245	1324	9550	rev
3365	172.A7.sp6:133883	7tm_2	94	761	8743	rev
3418	123.F9.sp6:132333	7tm_2	203	585	8785	rev
3419	123.F9.sp6:132333	7tm_2	203	585	8785	rev
3597	394.G2.sp6:149165	7tm_2	73	793	9209	for
3648	370.C5.sp6:141726	7tm_2	76	770	9269	for
3686	370.B1.sp6:141710	7tm_2	89	662	8791	for
3695	368.A12.sp6:141322	7tm_2	121	719	9015	rev
3696	368.A12.sp6:141322	7tm_2	121	719	9015	rev
4172	219.C10.sp6:139007	7tm_2	46	774	11394	rev
4216	368.D11.sp6:141357	7tm_2	66	775	9384	rev
4228	368.A11.sp6:141321	7tm_2	7	1079	9097	for
4441	99.F7.sp6:131296	7tm_2	534	1265	10956	rev
4442	99.F7.sp6:131296	7tm_2	534	1265	10956	rev
4482	100.D2.sp6:131459	7tm_2	122	1404	9296	rev
4495	395.B12.sp6:149307	7tm_2	79	1432	10427	rev
4525	90.B4.sp6:130874	7tm_2	4	691	9435	for
4616	100.D5.sp6:131462	7tm_2	655	1349	9255	for
4653	100.D7.sp6:131464	7tm_2	357	1346	11461	rev
4654	100.D7.sp6:131464	7tm_2	357	1346	11461	rev
4658	100.H6.sp6:131511	7tm_2	119	1035	10001	rev
4659	100.G6.sp6:131499	7tm_2	363	1188	9901	rev
4660	100.F6.sp6:131487	7tm_2	50	1127	8799	for
4661	100.F6.sp6:131487	7tm_2	50	1127	8799	for
4710	367.H9.sp6:141210	7tm_2	143	1266	11883	rev
4755	370.F4.sp6:141761	7tm_2	78	704	8942	for
4856	367.H11.sp6:141212	7tm_2	176	1227	9975	rev
4885	123.E10.sp6:132322	7tm_2	210	691	9071	rev
4900	123.E10.sp6:132322	7tm_2	210	691	9071	rev
4901	123.E10.sp6:132322	7tm_2	210	691	9071	rev
2656	176.H11.sp6:134606	ANK	207	290	4450	for
2555	180.C9.sp6:135947	asp	156	670	6710	for
3632	368.H11.sp6:141405	asp	136	1226	6880	rev
4205	368.B5.sp6:141327	asp	309	806	6073	for
4251	369.D6.sp6:141546	asp	434	1332	6263	rev
4253	396.F9.sp6:149544	asp	97	1106	5999	rev
4261	216.G10.sp6:139247	asp	74	703	6188	rev
4365	122.H12.sp6:132168	asp	152	1040	6183	rev
4498	80.H6.sp6:130297	asp	61	418	5944	rev
4664	172.E5.sp6:133929	asp	219	976	6434	for
4718	185.D9.sp6:135762	asp	31	872	5944	rev
4733	185.D9.sp6:135762	asp	31	872	5944	rev
4746	176.B10.sp6:134533	asp	253	1446	6079	rev

SEQ ID NO:	Validation Sequence	Biological Activity (Profile)	Start	Stop	Score	Direction
4822	177.F3.sp6:134766	asp	0	894	6336	rev
4854	184.F11.sp6:135596	asp	61	737	6416	rev
4856	367.H11.sp6:141212	asp	81	1187	6182	rev
4929	180.E6.sp6:135968	asp	81	706	6150	for
4931	180.E6.sp6:135968	asp	81	706	6150	for
2723	180.F2.sp6:135976	ATPases	135	627	11664	for
2842	217.H11.sp6:139452	ATPases	2	701	5972	for
3019	216.B1.sp6:139178	ATPases	170	616	6150	for
3046	121.B8.sp6:131900	ATPases	13	635	5867	rev
3190	80.D2.sp6:130245	ATPases	13	386	6068	for
3290	176.C6.sp6:134541	ATPases	85	579	5883	for
3670	369.C10.sp6:141538	ATPases	329	730	6206	for
3998	394.H8.sp6:149183	ATPases	21	571	5954	rev
4119	218.F11.sp6:138852	ATPases	313	816	6057	for
4159	219.A7.sp6:138980	ATPases	88	662	6145	for
4223	368.F9.sp6:141379	ATPases	178	648	5937	for
4384	181.G11.sp6:135354	ATPases	362	769	5900	rev
4473	369.B4.sp6:141520	ATPases	4	412	14130	for
4540	218.C8.sp6:138813	ATPases	12	576	5782	rev
4560	404.G6.sp6:162933	ATPases	86	605	6001	rev
4689	367.H8.sp6:141209	ATPases	17	476	5905	rev
4785	184.E5.sp6:135578	ATPases	184	632	5943	for
4792	184.C6.sp6:135555	ATPases	333	813	5773	for
4847	184.B11.sp6:135548	ATPases	14	498	6140	for
5041	377.C1.sp6:141918	ATPases	4	655	5933	for
3404	176.F10.sp6:134581	Bcl-2	69	356	16419	for
4036	367.F5.sp6:141182	bromodomain	40	210	8810	for
4489	369.D3.sp6:141543	bromodomain	63	230	10270	for
3408	172.E1.sp6:133925	BZIP	146	298	4066	for
3951	393.G5.sp6:148976	BZIP	116	304	5931	for
4850	172.E9.sp6:133933	BZIP	91	260	4366	for
3618	370.B12.sp6:141721	cyclin	118	324	8980	for
3895	395.G6.sp6:149361	cyclin	11	281	6930	for
4536	395.G8.sp6:149363	cyclin	12	279	5950	for
4455	99.F5.sp6:131294	Cys-protease	72	348	18479	for
4684	180.D1.sp6:135951	Cys-protease	38	992	10103	rev
4688	180.D1.sp6:135951	Cys-protease	38	992	10103	rev
4801	177.E4.sp6:134755	Cys-protease	48	326	19999	for
4659	100.G6.sp6:131499	DAG_PE_bind	605	702	6290	rev
4821	377.C8.sp6:141925	Dead_box_helic	172	828	7867	rev
5083	216.A1.sp6:139166	Dead_box_helic	44	589	26532	for
2734	177.G4.sp6:134779	EFhand	79	153	3780	for
2893	185.A1.sp6:135718	EFhand	287	358	2580	rev
3775	377.A5.sp6:141898	EFhand	477	563	3010	for
4056	367.B7.sp6:141136	EFhand	225	272	2500	rev
4152	218.B10.sp6:138803	EFhand	40	114	2640	rev
4153	218.B10.sp6:138803	EFhand	40	114	2640	rev
4154	218.C10.sp6:138815	EFhand	39	113	2640	rev
4905	393.H12.sp6:148995	EFhand	145	231	4640	for
4943	219.A9.sp6:138982	EFhand	685	750	2550	rev

SEQ ID NO:	Validation Sequence	Biological Activity (Profile)	Start	Stop	Score	Direction
2849	218.B5.sp6:138798	Ets_Nterm	340	531	10400	for
2728	180.A2.sp6:135916	FNtypeII	291	423	6400	rev
3018	216.C1.sp6:139190	FNtypeII	501	634	6460	for
4496	218.G1.sp6:138854	FNtypeII	20	141	6180	rev
4914	393.H8.sp6:148991	FNtypeII	448	576	6110	for
2504	181.C3.sp6:135298	G-alpha	66	715	8084	rev
3290	176.C6.sp6:134541	G-alpha	62	690	9062	for
4288	121.B4.sp6:131896	G-alpha	46	447	21415	for
4444	217.D12.sp6:139405	G-alpha	15	702	40404	for
4562	404.B7.sp6:162874	G-alpha	120	682	8424	for
2503	180.A11.sp6:135925	helicase_C	165	479	4494	for
4469	369.C4.sp6:141532	helicase_C	559	756	3732	rev
5020	185.D12.sp6:135765	helicase_C	381	534	5000	for
4241	396.H8.sp6:149567	homeobox	80	230	5170	for
2550	180.E5.sp6:135967	mkk	342	612	5791	for
3407	172.F1.sp6:133937	mkk	94	669	5688	rev
3451	123.A2.sp6:132266	mkk	26	378	7889	for
3600	394.B3.sp6:149106	mkk	32	782	9544	for
3646	370.H4.sp6:141785	mkk	18	307	9394	for
3680	369.G11.sp6:141587	mkk	182	725	5375	for
4175	219.H10.sp6:139067	mkk	280	723	15454	for
4205	368.B5.sp6:141327	mkk	249	725	5502	for
4278	181.C9.sp6:135304	mkk	168	880	5551	rev
4322	121.F6.sp6:131946	mkk	111	730	5399	for
4777	177.E2.sp6:134753	mkk	288	636	5720	rev
4482	100.D2.sp6:131459	PDEase	849	1195	5945	for
2578	181.H11.sp6:135366	protkinase	116	710	5531	for
2712	177.G7.sp6:134782	protkinase	6	511	5445	for
2835	218.C1.sp6:138806	protkinase	127	747	5492	for
2843	218.E1.sp6:138830	protkinase	64	726	5592	rev
2971	217.F4.sp6:139421	protkinase	83	702	5818	rev
3009	217.A4.sp6:139361	protkinase	57	682	5395	rev
3084	121.E2.sp6:131930	protkinase	69	658	5593	rev
3226	100.D8.sp6:131465	protkinase	174	620	5453	for
3274	100.C3.sp6:131448	protkinase	228	736	5616	for
3356	172.B5.sp6:133893	protkinase	148	715	5381	for
3377	172.B6.sp6:133894	protkinase	119	775	5616	for
3451	123.A2.sp6:132266	protkinase	24	384	9797	for
3600	394.B3.sp6:149106	protkinase	357	780	11395	for
3635	377.G11.sp6:141976	protkinase	117	739	5992	for
3646	370.H4.sp6:141785	protkinase	24	275	8338	for
3665	370.F2.sp6:141759	protkinase	33	800	5658	for
3669	369.B10.sp6:141526	protkinase	1	482	5504	rev
3700	369.D2.sp6:141542	protkinase	28	661	5428	for
3710	369.G6.sp6:141582	protkinase	71	631	5751	for
3791	396.C11.sp6:149510	protkinase	27	709	5793	rev
3905	393.H7.sp6:148990	protkinase	88	680	5470	rev
3919	393.D10.sp6:148945	protkinase	72	594	5617	for
4044	367.G4.sp6:141193	protkinase	30	699	5439	for
4072	368.B2.sp6:141324	protkinase	44	800	5556	for

SEQ ID NO:	Validation Sequence	Biological Activity (Profile)	Start	Stop	Score	Direction
4117	218.D11.sp6:138828	protkinase	38	781	6423	for
4175	219.H10.sp6:139067	protkinase	277	717	15720	for
4373	216.E5.sp6:139218	protkinase	115	710	5537	for
4569	100.C10.sp6:131455	protkinase	56	783	5556	rev
4755	370.F4.sp6:141761	protkinase	39	803	5635	for
4760	370.F3.sp6:141760	protkinase	188	775	5771	for
4807	184.H3.sp6:135612	protkinase	23	699	5515	for
5059	180.B5.sp6:135931	protkinase	182	671	5718	rev
5102	393.F4.sp6:148963	protkinase	28	650	5345	for
3671	369.D10.sp6:141550	ras	12	332	9802	for
3936	393.A3.sp6:148902	Thioredox	0	263	5887	rev
3927	393.F11.sp6:148970	TNFR_c6	151	261	6445	for
2956	184.E10.sp6:135583	transmembrane4	19	483	8339	rev
2981	217.E6.sp6:139411	transmembrane4	83	728	8417	for
3836	396.C9.sp6:149508	transmembrane4	300	924	9444	rev
4038	367.A6.sp6:141123	transmembrane4	32	495	8407	rev
4364	123.A1.sp6:132265	transmembrane4	1289	1548	8114	rev
4406	122.C1.sp6:132097	transmembrane4	6	535	8122	for
4431	122.E4.sp6:132124	transmembrane4	10	530	8829	for
4441	99.F7.sp6:131296	transmembrane4	613	1253	9443	rev
4442	99.F7.sp6:131296	transmembrane4	613	1253	9443	rev
4653	100.D7.sp6:131464	transmembrane4	335	1207	8255	rev
4654	100.D7.sp6:131464	transmembrane4	335	1207	8255	rev
4710	367.H9.sp6:141210	transmembrane4	398	1130	8352	rev
4944	180.H7.sp6:136005	transmembrane4	356	983	8356	rev
3381	176.D9.sp6:134556	trypsin	164	764	9670	rev
4684	180.D1.sp6:135951	trypsin	371	1229	10479	rev
4688	180.D1.sp6:135951	trypsin	371	1229	10479	rev
2754	177.H6.sp6:134793	WD_domain	345	437	6510	for
3046	121.B8.sp6:131900	WD_domain	98	193	6400	for
3227	100.B10.sp6:131443	WD_domain	544	642	6590	for
4243	121.A8.sp6:131888	WD_domain	93	188	6400	for
5046	185.F10.sp6:135787	WD_domain	382	480	5880	for
3129	121.E12.sp6:131940	Wnt_dev_sign	101	821	12160	rev
3173	99.G6.sp6:131307	Wnt_dev_sign	49	880	12334	rev
3390	176.C9.sp6:134544	Wnt_dev_sign	249	854	11038	rev
3391	176.C9.sp6:134544	Wnt_dev_sign	249	854	11038	rev
3656	370.G6.sp6:141775	Wnt_dev_sign	211	785	11490	rev
3836	396.C9.sp6:149508	Wnt_dev_sign	282	1017	12318	rev
4253	396.F9.sp6:149544	Wnt_dev_sign	482	1298	11217	rev
4330	122.A2.sp6:132074	Wnt_dev_sign	94	933	12383	rev
4359	123.B2.sp6:132278	Wnt_dev_sign	538	1435	11785	for
4364	123.A1.sp6:132265	Wnt_dev_sign	760	1544	12660	rev
4375	122.G10.sp6:132154	Wnt_dev_sign	29	884	11603	rev
4385	122.A2.sp6:132074	Wnt_dev_sign	94	933	12383	rev
4409	121.F12.sp6:131952	Wnt_dev_sign	9	734	11167	rev
4441	99.F7.sp6:131296	Wnt_dev_sign	560	1399	13749	rev
4442	99.F7.sp6:131296	Wnt_dev_sign	560	1399	13749	rev
4535	395.F10.sp6:149353	Wnt_dev_sign	100	907	11535	rev
4586	123.A4.sp6:132268	Wnt_dev_sign	80	1122	11249	rev

SEQ ID NO:	Validation Sequence	Biological Activity (Profile)	Start	Stop	Score	Direction
4605	404.D5.sp6:162896	Wnt_dev_sign	31	816	11304	rev
4653	100.D7.sp6:131464	Wnt_dev_sign	467	1314	11882	rev
4654	100.D7.sp6:131464	Wnt_dev_sign	467	1314	11882	rev
4665	177.B11.sp6:134726	Wnt_dev_sign	137	1266	12708	rev
4668	177.B11.sp6:134726	Wnt_dev_sign	137	1266	12708	rev
4682	177.B11.sp6:134726	Wnt_dev_sign	137	1266	12708	rev
4710	367.H9.sp6:141210	Wnt_dev_sign	692	1481	12886	rev
4718	185.D9.sp6:135762	Wnt_dev_sign	129	890	11145	rev
4724	377.D2.sp6:141931	Wnt_dev_sign	400	1227	11044	rev
4733	185.D9.sp6:135762	Wnt_dev_sign	129	890	11145	rev
4856	367.H11.sp6:141212	Wnt_dev_sign	295	1669	13366	rev
4866	377.D4.sp6:141933	Wnt_dev_sign	549	1380	14522	rev
4925	219.B12.sp6:138997	Wnt_dev_sign	312	1214	13188	rev
4959	219.B12.sp6:138997	Wnt_dev_sign	312	1214	13188	rev
3409	172.D1.sp6:133913	Y_phosphatase	476	804	6932	for
3418	123.F9.sp6:132333	Y_phosphatase	28	439	6096	rev
3419	123.F9.sp6:132333	Y_phosphatase	28	439	6096	rev
3657	370.H6.sp6:141787	Y_phosphatase	148	554	6481	for
3804	404.B10.sp6:162877	Y_phosphatase	104	466	6446	rev
3806	404.D10.sp6:162901	Y_phosphatase	9	614	6516	for
3974	395.F2.sp6:149345	Y_phosphatase	164	645	6093	rev
4238	121.E9.sp6:131937	Y_phosphatase	240	777	6147	rev
4263	216.F10.sp6:139235	Y_phosphatase	21	504	6342	for
4343	122.E9.sp6:132129	Y_phosphatase	381	807	6036	rev
4363	123.B1.sp6:132277	Y_phosphatase	61	510	6229	rev
4434	219.F4.sp6:139037	Y_phosphatase	2	261	10353	for
4473	369.B4.sp6:141520	Y_phosphatase	231	768	6110	rev
4629	404.E11.sp6:162914	Y_phosphatase	580	920	6005	rev
5094	217.A3.sp6:139360	Y_phosphatase	263	622	6222	rev
2738	177.A6.sp6:134709	Zincfing_C2H2	65	127	4380	for
2760	177.A6.sp6:134709	Zincfing_C2H2	65	127	4380	for
2832	218.B2.sp6:138795	Zincfing_C2H2	94	156	4940	for
3736	377.H8.sp6:141985	Zincfing_C2H2	495	557	4850	for
3762	377.G2.sp6:141967	Zincfing_C2H2	52	114	4380	for
3763	377.G2.sp6:141967	Zincfing_C2H2	52	114	4380	for
4794	377.G4.sp6:141969	Zincfing_C2H2	247	308	3930	for
5090	185.C4.sp6:135745	Zincfing_C2H2	238	300	4540	for
3774	377.E4.sp6:141945	Zincfing_C3HC4	128	244	9335	for
4477	181.E3.sp6:135322	Zincfing_C3HC4	321	445	8221	for

Table 19. Polynucleotides Specifically Expressed in Colon

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
3	RTA00000197AF.e.24.1	39250	2	0	0	0	0	0	0	0
7	RTA00000197AR.e.12.1	22095	3	0	0	0	0	0	0	0
16	RTA00000196AF.e.16.1	39252	2	0	0	0	0	0	0	0
18	RTA00000196AF.c.17.1	39602	2	0	0	0	0	0	0	0
21	RTA00000131A.g.19.2	36535	2	0	0	0	0	0	0	0
22	RTA00000187AR.o.10.2	8984	4	3	0	0	0	2	0	0
23	RTA00000198R.b.08.1	22636	3	0	0	0	0	0	0	0
26	RTA00000200R.g.09.1	22785	3	0	0	0	0	0	0	0
29	RTA00000200AF.b.19.1	22847	3	0	0	0	0	0	0	0
31	RTA00000200F.m.15.1	22601	3	0	0	0	1	0	0	0
37	RTA00000181AF.n.15.2	86128	1	0	0	0	0	0	0	0
38	RTA00000196R.k.07.1	22443	2	0	0	0	0	0	0	1
40	RTA00000200AR.e.02.1	36059	2	0	0	0	1	1	1	0
48	RTA00000177AR.a.23.5	6995	4	2	0	0	0	0	0	0
49	RTA00000198R.o.05.1	26702	2	0	0	0	0	0	0	0
50	RTA00000201R.a.02.1	35362	2	0	0	0	0	0	0	0
61	RTA00000197AF.h.11.1	22264	3	0	0	0	0	0	0	0
66	RTA00000199F.c.09.2	16824	3	1	0	0	0	0	0	0
75	RTA00000180AR.h.19.2	84182	1	0	0	0	0	0	0	0
78	RTA00000199R.f.09.1	22907	3	0	0	0	0	0	0	0
79	RTA00000199AF.p.4.1	10282	3	3	0	0	0	0	0	0
85	RTA00000200R.o.03.1	22807	3	0	0	0	0	0	0	0
86	RTA00000189AF.l.22.1	33333	1	1	0	0	0	0	0	0
87	RTA00000195AF.d.20.1	37574	2	0	0	0	0	0	0	0
92	RTA00000198AF.j.18.1	22759	3	0	0	0	0	0	0	0
95	RTA00000180AF.g.3.1	9024	5	2	0	0	0	0	0	0
102	RTA00000199R.j.08.1	37844	2	0	0	0	0	0	0	0
103	RTA00000199F.e.10.1	22906	3	0	0	0	0	0	1	0
105	RTA00000179AF.g.12.3	36390	2	0	0	0	0	0	0	0
108	RTA00000183AR.h.23.2	18957	3	0	0	0	0	0	0	0
109	RTA00000197AF.d.12.1	39546	2	0	0	0	0	0	0	0
116	RTA00000181AR.k.24.3	7005	8	2	0	0	0	0	0	0
119	RTA00000181AR.k.24.2	7005	8	2	0	0	0	0	0	0
124	RTA00000199AR.m.06.1	19122	3	0	0	0	0	0	0	0
129	RTA00000134A.d.10.1	18957	3	0	0	0	0	0	0	0
137	RTA00000181AF.m.4.3	13238	4	1	0	0	0	0	0	0
141	RTA00000196AF.c.6.1	23148	3	0	0	0	0	0	0	0
142	RTA00000198AF.k.19.1	75879	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
143	RTA00000199R.h.09.1	76020	1	0	0	0	0	0	0	0
144	RTA00000198AF.o.18.1	13018	4	0	0	0	1	0	0	0
148	RTA00000199F.h.17.2	36254	2	0	0	0	0	0	0	0
149	RTA00000181AR.h.06.3	87226	1	0	0	0	0	0	0	0
166	RTA00000198AF.f.21.1	22676	3	0	0	0	0	0	0	0
173	RTA00000200AR.b.07.1	17125	4	0	0	0	0	0	0	0
178	RTA00000200F.o.03.1	22807	3	0	0	0	0	0	0	0
180	RTA00000199AF.j.12.1	22461	3	0	0	0	0	0	0	0
185	RTA00000195AF.d.4.1	22766	3	0	0	0	0	0	0	0
194	RTA00000200R.k.01.1	40049	2	0	0	0	0	0	0	0
195	RTA00000198AF.c.10.1	77149	1	0	0	0	0	0	0	0
198	RTA00000197AR.e.07.1	86969	1	0	0	0	0	0	0	0
199	RTA00000199R.c.09.1	16824	3	1	0	0	0	0	0	0
206	RTA00000181AF.o.04.2	22205	3	0	0	0	0	0	0	0
207	RTA00000199AF.l.19.1	22460	3	0	0	0	0	0	0	0
208	RTA00000198AF.h.22.1	22366	2	1	0	0	0	0	0	0
211	RTA00000199AF.m.15.1	10101	3	0	0	0	0	0	0	0
212	RTA00000197AF.j.9.1	13236	4	1	0	0	0	0	0	0
230	RTA00000185AR.b.18.1	12171	3	2	0	0	0	0	0	0
235	RTA00000201AF.a.02.1	35362	2	0	0	0	0	0	0	0
236	RTA00000183AR.h.23.1	18957	3	0	0	0	0	0	0	0
238	RTA00000187AR.k.12.1	78415	1	0	0	0	0	0	0	0
242	RTA00000198AF.m.17.1	77992	1	0	0	0	0	0	0	0
243	RTA00000181AF.m.15.3	12081	4	0	0	0	0	0	0	0
248	RTA00000198R.c.14.1	39814	2	0	0	0	0	0	0	0
249	RTA00000200R.o.03.2	22807	3	0	0	0	0	0	0	0
251	RTA00000192AF.n.13.1	8210	2	6	0	0	0	0	0	0
256	RTA00000184AR.e.15.1	16347	4	0	0	0	0	0	0	0
260	RTA00000198R.m.17.1	77992	1	0	0	0	0	0	0	0
270	RTA00000178R.l.08.1	39648	2	0	0	0	0	0	0	0
278	RTA00000198AF.p.16.1	71877	1	0	0	0	0	0	0	0
280	RTA00000193AF.b.18.1	7542	8	0	0	2	1	0	1	0
284	RTA00000199F.d.10.2	22049	3	0	0	0	0	0	0	0
287	RTA00000200AF.b.07.1	17125	4	0	0	0	0	0	0	0
288	RTA00000181AR.i.06.3	19119	3	0	0	0	0	0	0	0
289	RTA00000196F.k.07.1	22443	2	0	0	0	0	0	0	1
294	RTA00000198AF.k.23.1	8995	2	5	0	0	0	0	0	0
296	RTA00000196AF.f.20.1	22774	3	0	0	0	0	0	0	0
300	RTA00000195AF.c.12.1	37582	2	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
302	RTA00000186AF.d.1.2	40044	2	0	0	1	0	0	0	0
307	RTA00000200F.n.05.2	18989	3	0	0	0	0	0	0	0
308	RTA00000178AF.j.20.1	15066	4	0	0	0	0	0	0	0
310	RTA00000188AF.m.08.1	22155	3	0	0	0	0	0	0	0
315	RTA00000199R.d.23.1	37477	2	0	0	0	0	0	0	0
319	RTA00000200F.n.05.1	18989	3	0	0	0	0	0	0	0
320	RTA00000196AF.m.13.1	16290	4	0	0	0	0	0	0	0
325	RTA00000182AF.d.18.4	37435	2	0	0	0	0	0	0	0
328	RTA00000200AF.g.09.1	22785	3	0	0	0	0	0	0	0
330	RTA00000177AR.m.17.4	14391	3	1	0	0	0	0	0	0
331	RTA00000197AR.c.20.1	16282	4	0	0	0	0	0	0	0
337	RTA00000177AR.m.17.3	14391	3	1	0	0	0	0	0	0
342	RTA00000196AF.d.10.1	22256	3	0	0	0	0	0	0	0
343	RTA00000201F.a.18.1	16837	2	2	0	0	0	0	0	0
344	RTA00000198AF.o.02.1	68756	1	0	0	0	0	0	0	0
345	RTA00000187AF.h.21.1	39171	2	0	0	0	0	0	0	0
347	RTA00000199F.b.03.2	38340	2	0	0	0	0	0	0	0
358	RTA00000198AF.g.7.1	13386	3	2	0	0	0	0	0	0
362	RTA00000197AR.c.24.1	82498	1	0	0	0	0	0	0	0
371	RTA00000197F.e.7.1	86969	1	0	0	0	0	0	0	0
378	RTA00000181AF.k.24.3	7005	8	2	0	0	0	0	0	0
382	RTA00000200AF.j.6.1	22902	3	0	0	0	0	0	0	0
384	RTA00000196AF.h.17.1	39215	2	0	0	0	0	0	0	0
392	RTA00000185AF.b.11.2	9024	5	2	0	0	0	0	0	0
397	RTA00000198AF.b.22.1	38956	2	0	0	0	0	0	0	0
399	RTA00000186AF.m.15.2	40122	2	0	0	0	0	0	0	0
406	RTA00000199F.f.09.2	22907	3	0	0	0	0	0	0	0
408	RTA00000183AR.l.15.1	39383	2	0	0	0	0	0	0	0
413	RTA00000200F.a.12.1	16751	4	0	0	0	0	0	0	0
416	RTA00000199F.a.5.1	22134	3	0	0	0	0	0	0	0
418	RTA00000187AR.k.01.1	78356	1	0	0	0	0	0	0	0
424	RTA00000187AR.j.24.1	78356	1	0	0	0	0	0	0	0
426	RTA00000199AF.o.19.1	36927	2	0	0	0	0	0	0	0
429	RTA00000196F.i.19.1	39498	2	0	0	0	0	0	0	0
430	RTA00000198R.k.23.1	8995	2	5	0	0	0	0	0	0
432	RTA00000198AF.o.05.1	26702	2	0	0	0	0	0	0	0
433	RTA00000198R.j.18.1	22759	3	0	0	0	0	0	0	0
435	RTA00000182AR.c.22.1	16283	3	0	0	0	0	0	0	0
438	RTA00000180AR.g.03.4	9024	5	2	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
451	RTA00000200AF.b.20.1	40403	2	0	0	0	0	0	0	0
455	RTA00000198AF.d.12.1	21142	2	1	0	0	0	0	0	0
456	RTA00000200AF.b.12.1	22053	3	0	0	0	0	0	0	0
457	RTA00000191AR.l.7.2	14391	3	1	0	0	0	0	0	0
461	RTA00000190AF.e.13.1	38961	2	0	0	0	0	0	0	0
462	RTA00000196AF.n.17.1	12477	4	1	0	0	0	0	0	0
467	RTA00000195AF.b.19.1	77678	1	0	0	0	0	0	0	0
475	RTA00000187AR.m.3.3	17055	4	0	0	0	0	0	0	0
476	RTA00000200R.g.15.1	22898	3	0	0	0	0	0	0	0
482	RTA00000187AF.j.7.1	78091	1	0	0	0	0	0	0	0
485	RTA00000196AF.c.14.1	23105	3	0	0	0	0	0	0	0
486	RTA00000190AR.p.22.2	16368	4	0	0	0	0	0	0	0
492	RTA00000198AF.b.8.1	22636	3	0	0	0	0	0	0	0
493	RTA00000177AF.m.17.1	14391	3	1	0	0	0	0	0	0
494	RTA00000200AF.k.1.1	40049	2	0	0	0	0	0	0	0
498	RTA00000190AF.h.12.1	12977	5	0	0	0	0	0	0	0
499	RTA00000199F.b.22.2	17018	4	0	0	0	0	0	0	0
508	RTA00000187AF.i.14.2	19406	2	1	0	0	0	0	0	0
511	RTA00000196AF.g.10.1	12498	3	1	1	0	0	0	0	0
517	RTA00000184AF.e.14.1	16347	4	0	0	0	0	0	0	0
522	RTA00000178AR.h.17.2	23824	2	1	0	0	0	0	0	0
531	RTA00000195F.a.3.1	27179	2	0	0	0	0	0	0	0
544	RTA00000196F.j.13.1	23170	3	0	0	0	0	0	0	0
547	RTA00000196AF.g.8.1	39665	2	0	0	0	0	0	0	0
549	RTA00000198AF.c.16.1	26801	2	0	0	0	0	0	0	0
553	RTA00000201F.b.22.1	35728	2	0	0	0	0	0	0	1
559	RTA00000197AF.p.20.1	22795	3	0	0	0	0	0	0	0
563	RTA00000192AR.o.16.2	9061	5	2	0	0	0	0	0	0
565	RTA00000191AF.c.10.1	40422	2	0	0	0	0	0	0	0
568	RTA00000196AF.p.01.2	87143	1	0	0	0	0	0	0	0
578	RTA00000180AF.g.17.1	16653	3	1	0	0	0	0	0	0
583	RTA00000190AR.h.12.2	12977	5	0	0	0	0	0	0	0
585	RTA00000198AF.n.18.1	16715	3	1	0	0	0	0	0	0
586	RTA00000199R.o.11.1	23172	3	0	0	0	0	0	0	0
588	RTA00000191AF.b.4.1	14936	3	0	0	0	0	0	0	0
589	RTA00000192AF.l.1.1	16392	3	0	0	0	0	0	0	0
593	RTA00000196R.c.14.2	23105	3	0	0	0	0	0	0	0
595	RTA00000195R.a.06.1	35265	2	0	1	0	0	0	0	0
602	RTA00000195AF.b.21.1	39055	2	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
612	RTA00000197AR.e.22.1	78758	1	0	0	0	0	0	0	0
615	RTA00000197R.p.20.1	22795	3	0	0	0	0	0	0	0
618	RTA00000192AF.a.14.1	6874	6	3	0	0	1	0	0	0
623	RTA00000198R.b.24.1	19047	3	0	0	0	0	0	0	0
627	RTA00000199F.h.15.2	22269	3	0	0	0	0	0	0	0
628	RTA00000198AF.g.16.1	6602	1	1	0	0	0	0	0	0
634	RTA00000192AF.j.6.1	11494	4	0	0	0	0	0	0	0
635	RTA00000181AF.p.7.3	38773	2	0	0	0	0	0	0	0
637	RTA00000200AF.g.15.1	22898	3	0	0	0	0	0	0	0
643	RTA00000184AF.c.9.1	16245	4	0	0	0	0	0	0	0
645	RTA00000177AF.k.9.1	16245	4	0	0	0	0	0	0	0
649	RTA00000190AR.l.19.2	88204	1	0	0	0	0	0	0	0
662	RTA00000201R.a.15.1	57347	1	0	0	0	0	0	0	0
664	RTA00000195R.a.23.1	86432	1	0	0	0	0	0	0	0
670	RTA00000186AF.p.17.3	38383	2	0	0	0	0	0	0	0
674	RTA00000197AR.e.24.1	39250	2	0	0	0	0	0	0	0
683	RTA00000187AR.j.01.1	79028	1	0	0	0	0	0	0	0
686	RTA00000201F.f.07.1	51116	1	0	0	0	0	0	0	0
694	RTA00000201R.c.19.1	22357	2	1	0	0	0	0	0	0
702	RTA00000177AR.b.8.5	17062	3	0	0	0	0	0	0	0
712	RTA00000201F.b.21.1	9071	3	4	0	0	0	0	0	0
717	RTA00000200F.o.10.2	36432	2	0	0	0	0	0	0	0
718	RTA00000196F.l.14.2	23144	3	0	0	0	0	0	0	0
725	RTA00000197AF.b.1.1	12134	1	1	0	0	0	0	0	0
733	RTA00000200AF.d.20.1	26600	2	0	0	0	0	0	0	0
743	RTA00000178AF.k.9.1	16342	3	0	0	0	0	0	0	0
748	RTA00000198AF.b.24.1	19047	3	0	0	0	0	0	0	0
757	RTA00000406F.d.16.1	15040	2	2	0	0	0	0	0	0
760	RTA00000408F.o.12.2	78578	1	0	0	0	0	0	0	0
761	RTA00000119A.j.15.1	79623	1	0	0	0	0	0	0	0
762	RTA00000413F.d.12.1	66467	1	0	0	0	0	0	0	0
763	RTA00000423F.i.12.1	9118	4	3	0	0	0	0	0	0
766	RTA00000411F.k.05.1	64777	1	0	0	0	0	0	0	0
769	RTA00000419F.b.09.1	78128	1	0	0	0	0	0	0	0
772	RTA00000411F.m.15.1	78014	1	0	0	0	0	0	0	0
774	RTA00000123A.k.23.1	80313	1	0	0	0	0	0	0	0
777	RTA00000130A.m.15.1	81630	1	0	0	0	0	0	0	0
778	RTA00000411F.k.20.1	64973	1	0	0	0	0	0	0	0
780	RTA00000418F.k.05.1	73021	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
781	RTA00000423F.h.18.1	37972	2	0	0	0	0	0	0	0
783	RTA00000422F.p.06.2	39282	2	0	0	0	0	0	0	0
784	RTA00000404F.n.16.2	39095	2	0	0	0	0	0	0	0
785	RTA00000411F.m.24.1	77568	1	0	0	0	0	0	0	0
786	RTA00000134A.j.10.1	81383	1	0	0	0	0	0	0	0
787	RTA00000409F.j.02.1	76417	1	0	0	0	0	0	0	0
788	RTA00000403F.j.15.1	23840	2	1	0	0	0	0	0	0
789	RTA00000411F.n.11.1	77276	1	0	0	0	0	0	0	0
790	RTA00000339F.i.13.1	5970	6	4	0	0	0	0	0	0
792	RTA00000406F.o.15.1	37482	2	0	0	0	0	0	0	0
793	RTA00000412F.g.04.2	64457	1	0	0	0	0	0	0	0
795	RTA00000352R.l.06.1	40343	2	0	0	0	0	0	0	0
796	RTA00000419F.b.12.1	63148	1	0	0	0	0	0	0	0
797	RTA00000423F.k.17.2	37512	2	0	0	0	0	0	0	0
799	RTA00000418F.k.14.1	76133	1	0	0	0	0	1	0	0
800	RTA00000409F.l.12.1	26755	1	0	0	0	0	0	0	0
801	RTA00000404F.c.20.1	39088	2	0	0	0	0	0	1	0
802	RTA00000423F.g.09.1	38958	2	0	0	0	0	0	0	0
804	RTA00000406F.d.12.1	38575	2	0	0	0	0	0	0	0
805	RTA00000411F.f.02.1	63386	1	0	0	0	0	0	0	0
806	RTA00000129A.n.21.1	79381	1	0	0	0	0	0	0	0
807	RTA00000409F.m.12.1	73490	1	0	0	0	0	0	0	0
808	RTA00000410F.c.04.1	74099	1	0	0	0	0	0	0	0
810	RTA00000406F.m.09.1	26891	2	0	0	0	0	0	0	0
811	RTA00000411F.b.06.1	77884	1	0	0	0	0	0	0	0
812	RTA00000409F.l.21.1	73143	1	0	0	0	0	0	0	0
818	RTA00000404F.l.20.2	38638	2	0	0	0	0	0	0	0
819	RTA00000413F.d.18.1	65305	1	0	0	0	0	0	0	0
820	RTA00000404F.p.04.2	39069	2	0	0	0	0	0	0	0
821	RTA00000405F.g.19.2	37150	2	0	0	0	0	0	0	0
822	RTA00000409F.a.22.1	75200	1	0	0	0	0	0	0	0
824	RTA00000405F.o.18.1	11016	4	2	0	0	0	0	0	0
829	RTA00000408F.e.22.2	26930	1	0	0	0	0	0	0	0
831	RTA00000413F.d.16.1	63331	1	0	0	0	0	0	0	0
834	RTA00000419F.g.08.1	66700	1	0	0	0	0	0	0	0
835	RTA00000122A.g.16.1	81366	1	0	0	0	0	0	0	0
836	RTA00000419F.c.16.1	65254	1	0	0	0	0	0	0	0
837	RTA00000411F.b.03.1	23634	1	2	0	0	0	0	0	0
842	RTA00000403F.l.20.1	18267	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
845	RTA00000411F.a.02.1	78537	1	0	0	0	0	0	0	0
847	RTA00000412F.l.04.1	66372	1	0	0	0	0	0	0	0
849	RTA00000406F.a.23.1	38712	2	0	0	0	0	0	0	0
851	RTA00000120A.n.19.3	80004	1	0	0	0	0	0	0	0
852	RTA00000403F.e.01.1	38965	2	0	0	0	0	0	0	0
853	RTA00000411F.l.03.1	62702	1	0	0	0	0	0	0	0
856	RTA00000121A.m.2.1	81064	1	0	0	0	0	0	0	0
858	RTA00000418F.j.12.1	73316	1	0	0	0	0	0	0	0
862	RTA00000125A.g.16.1	21497	2	1	0	0	0	0	0	0
863	RTA00000418F.o.18.1	78676	1	0	0	0	0	0	0	0
865	RTA00000408F.k.14.1	73856	1	0	0	0	0	0	0	0
871	RTA00000403F.o.15.1	39140	2	0	0	0	0	0	0	0
872	RTA00000341F.m.13.1	26502	1	0	0	0	0	0	0	0
873	RTA00000408F.h.03.1	78382	1	0	0	0	0	0	0	0
874	RTA00000423F.k.05.1	37472	2	0	0	0	0	0	0	0
876	RTA00000418F.p.19.1	78544	1	0	0	0	0	0	0	0
877	RTA00000420F.f.06.1	64812	1	0	0	0	0	0	0	0
878	RTA00000122A.j.18.1	81317	1	0	0	0	0	0	0	0
879	RTA00000420F.d.05.1	64432	1	0	0	0	0	0	0	0
880	RTA00000403F.m.18.1	39185	2	0	0	0	0	0	0	0
882	RTA00000411F.j.05.1	40709	1	1	0	0	0	0	0	0
883	RTA00000403F.a.04.1	23529	2	1	0	0	0	0	0	0
885	RTA00000406F.f.12.1	21895	2	1	0	0	0	0	0	0
886	RTA00000418F.g.22.1	74837	1	0	0	0	0	0	0	0
888	RTA00000404F.l.20.1	38638	2	0	0	0	0	0	0	0
889	RTA00000408F.i.08.2	75811	1	0	0	0	0	0	0	0
890	RTA00000122A.d.5.1	81155	1	0	0	0	0	0	0	0
894	RTA00000419F.b.19.1	65534	1	0	0	0	0	0	0	0
896	RTA00000418F.k.19.1	74932	1	0	0	0	0	0	0	0
900	RTA00000419F.g.12.1	66171	1	0	0	0	0	0	0	0
901	RTA00000404F.n.11.2	38001	2	0	0	0	0	0	0	0
904	RTA00000419F.o.24.1	65092	1	0	0	0	0	0	0	0
905	RTA00000419F.k.19.1	75447	1	0	0	0	0	0	0	0
907	RTA00000127A.i.20.1	81418	1	0	0	0	0	0	0	0
908	RTA00000422F.g.22.1	22561	3	0	0	0	0	0	0	0
910	RTA00000413F.h.13.1	65190	1	0	0	0	0	0	0	0
913	RTA00000348R.j.16.1	7005	8	2	0	0	0	0	0	0
916	RTA00000418F.n.22.1	79062	1	0	0	0	0	0	0	0
917	RTA00000406F.l.08.1	39016	2	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
920	RTA00000409F.j.07.1	75190	1	0	0	0	0	0	0	0
923	RTA00000411F.e.22.1	63638	1	0	0	0	0	0	0	0
924	RTA00000347F.a.17.1	16723	3	1	0	0	0	0	0	0
926	RTA00000404F.n.20.1	26865	2	0	0	0	0	0	0	0
929	RTA00000404F.b.02.1	38984	2	0	0	0	0	0	0	0
931	RTA00000403F.b.10.1	73268	1	0	0	0	0	0	0	0
932	RTA00000406F.i.12.1	39080	2	0	0	0	0	0	0	0
933	RTA00000406F.h.08.1	16228	2	2	0	0	0	0	0	0
934	RTA00000418F.i.19.1	79180	1	0	0	0	0	0	0	0
936	RTA00000412F.h.21.1	64348	1	0	0	0	0	0	0	0
938	RTA00000120A.g.18.1	81255	1	0	0	0	0	0	0	0
940	RTA00000423F.j.05.1	37958	2	0	0	0	0	0	0	0
941	RTA00000132A.k.6.1	81284	1	0	0	0	0	0	0	0
943	RTA00000406F.p.04.1	37458	2	0	0	0	0	0	0	0
944	RTA00000347F.a.13.1	22446	3	0	0	0	0	0	0	0
945	RTA00000419F.p.23.1	64748	1	0	0	0	0	0	0	0
946	RTA00000419F.d.17.1	64353	1	0	0	0	0	0	0	0
949	RTA00000124A.k.5.1	80252	1	0	0	0	0	0	0	0
950	RTA00000404F.h.22.1	18735	2	1	0	0	0	0	1	0
952	RTA00000410F.o.05.1	75262	1	0	0	0	0	0	0	0
953	RTA00000339R.l.14.1	19119	3	0	0	0	0	0	0	0
954	RTA00000403F.m.13.2	39077	2	0	0	0	0	0	0	0
957	RTA00000419F.g.22.1	64515	1	0	0	0	0	0	0	0
958	RTA00000404F.g.21.1	37947	2	0	0	0	0	0	0	0
960	RTA00000138A.n.4.1	21920	2	1	0	0	0	0	0	0
961	RTA00000410F.b.15.1	77100	1	0	0	0	0	0	0	0
963	RTA00000419F.j.23.1	74470	1	0	0	0	0	0	0	0
964	RTA00000411F.j.02.1	65310	1	0	0	0	0	0	0	0
965	RTA00000419F.p.24.1	63477	1	0	0	0	0	0	0	0
966	RTA00000404F.a.19.1	38624	2	0	0	0	0	0	0	0
973	RTA00000346F.e.13.1	74653	1	0	0	0	0	0	0	0
974	RTA00000419F.c.18.1	41394	1	1	0	0	0	0	0	0
978	RTA00000404F.e.22.1	11344	3	3	0	0	0	0	0	0
981	RTA00000125A.k.10.1	81644	1	0	0	0	0	0	0	0
982	RTA00000347F.c.06.1	18846	2	1	0	0	0	0	0	0
983	RTA00000411F.k.19.1	64200	1	0	0	0	0	0	0	0
984	RTA00000345F.i.09.1	27250	2	0	0	0	0	0	0	0
985	RTA00000423F.k.01.1	40426	2	0	0	0	0	0	0	0
986	RTA00000408F.d.06.1	78997	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
987	RTA00000128A.b.20.1	79761	1	0	0	0	0	0	0	0
989	RTA00000195AF.d.4.1	22766	3	0	0	0	0	0	0	0
991	RTA00000403F.h.12.1	15205	2	1	0	0	0	0	0	0
992	RTA00000119A.j.22.1	80336	1	0	0	0	0	0	0	0
995	RTA00000126A.n.7.2	79557	1	0	0	1	0	0	0	0
997	RTA00000404F.j.08.1	39066	2	0	0	0	0	0	0	0
998	RTA00000410F.c.14.1	77809	1	0	0	0	0	0	0	0
999	RTA00000120A.g.23.1	81189	1	0	0	0	0	0	0	0
1000	RTA00000195AF.d.20.1	37574	2	0	0	0	0	0	0	0
1002	RTA00000412F.j.17.1	64071	1	0	0	0	0	0	0	0
1004	RTA00000119A.j.10.1	79646	1	0	0	0	0	0	0	0
1010	RTA00000419F.o.16.1	62867	1	0	0	0	0	0	0	0
1012	RTA00000411F.c.17.1	77664	1	0	0	0	0	0	0	0
1013	RTA00000406F.k.15.1	38549	2	0	0	0	0	0	0	0
1014	RTA00000406F.a.02.1	37744	2	0	0	0	0	0	0	0
1016	RTA00000341F.b.06.1	17008	4	0	0	0	0	0	0	0
1017	RTA00000409F.n.14.1	78190	1	0	0	0	0	0	0	0
1019	RTA00000345F.j.08.1	16731	3	1	0	0	0	0	0	0
1021	RTA00000419F.g.15.1	32519	1	1	0	0	0	0	0	0
1022	RTA00000423F.a.19.1	21396	1	2	0	0	0	0	0	0
1024	RTA00000422F.e.08.1	39020	2	0	0	0	0	0	0	0
1025	RTA00000411F.d.15.1	74890	1	0	0	0	0	0	0	0
1027	RTA00000411F.l.15.1	66704	1	0	0	0	0	0	0	0
1029	RTA00000405F.e.08.1	37916	2	0	0	0	1	0	0	0
1030	RTA00000353R.j.24.1	23089	3	0	0	0	0	0	0	0
1032	RTA00000418F.o.06.1	75930	1	0	0	0	0	0	0	0
1033	RTA00000404F.c.10.1	23534	2	1	0	0	0	0	0	0
1034	RTA00000418F.i.21.1	78728	1	0	0	0	0	0	0	0
1036	RTA00000411F.l.13.1	43114	1	1	0	0	0	0	0	0
1037	RTA00000407F.a.24.1	37560	2	0	0	0	0	0	0	0
1038	RTA00000346F.n.06.1	12439	4	0	0	0	0	0	0	0
1039	RTA00000412F.l.21.1	65183	1	0	0	0	0	0	0	0
1040	RTA00000413F.i.02.1	65857	1	0	0	0	0	0	0	0
1041	RTA00000404F.i.19.1	38698	2	0	0	0	0	0	0	0
1043	RTA00000403F.a.11.1	73109	1	0	0	0	0	0	0	0
1045	RTA00000411F.k.16.1	64759	1	0	0	0	0	0	1	0
1046	RTA00000405F.c.01.1	19236	2	0	0	0	0	0	0	0
1047	RTA00000423F.i.18.1	14996	4	0	0	0	0	0	0	0
1050	RTA00000406F.a.07.1	26607	2	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1051	RTA00000347F.d.06.1	39122	2	0	0	0	0	0	0	0
1052	RTA00000419F.b.18.1	67034	1	0	0	0	0	0	0	0
1053	RTA00000406F.h.07.1	38003	2	0	0	0	0	0	0	0
1054	RTA00000405F.l.15.1	19575	2	1	0	0	0	0	0	0
1055	RTA00000406F.g.17.1	37979	2	0	0	0	0	0	0	0
1058	RTA00000130A.h.22.1	80933	1	0	0	0	0	0	0	0
1061	RTA00000404F.d.13.1	39036	2	0	0	0	0	0	0	0
1064	RTA00000340F.n.01.1	39081	2	0	0	0	0	0	0	0
1065	RTA00000419F.d.06.1	65496	1	0	0	0	0	0	0	0
1066	RTA00000419F.n.09.1	66070	1	0	0	0	0	0	0	0
1067	RTA00000399F.i.08.1	38927	2	0	0	0	0	0	0	0
1069	RTA00000423F.g.13.1	38028	2	0	0	0	0	0	0	0
1072	RTA00000195AF.b.21.1	39055	2	0	0	0	0	0	0	0
1073	RTA00000403F.h.05.1	39096	2	0	0	0	0	0	0	0
1075	RTA00000422F.p.07.2	39024	2	0	0	1	0	0	0	0
1078	RTA00000421F.n.19.1	16409	3	1	0	0	0	0	0	0
1080	RTA00000345F.k.21.1	40204	2	0	0	0	0	0	0	0
1082	RTA00000405F.a.11.1	39124	2	0	0	0	0	0	0	0
1084	RTA00000413F.e.16.1	63836	1	0	0	0	0	0	0	0
1086	RTA00000404F.o.18.2	39110	2	0	0	0	0	0	0	0
1087	RTA00000409F.i.24.1	76967	1	0	0	0	0	0	0	0
1091	RTA00000340F.n.13.1	17055	4	0	0	0	0	0	0	0
1092	RTA00000340F.p.04.1	78533	1	0	0	0	0	0	0	0
1093	RTA00000411F.c.05.1	73368	1	0	0	0	0	0	0	0
1097	RTA00000404F.i.02.1	39015	2	0	0	0	0	0	0	0
1099	RTA00000403F.m.15.2	26901	2	0	0	0	0	0	0	0
1100	RTA00000412F.h.23.2	65118	1	0	0	0	0	0	0	0
1101	RTA00000418F.j.08.1	73382	1	0	0	0	0	0	0	0
1102	RTA00000125A.n.4.1	81984	1	0	0	0	0	0	0	0
1103	RTA00000412F.l.19.1	65825	1	0	0	0	0	0	0	0
1105	RTA00000129A.p.3.1	32644	1	1	0	0	0	0	0	0
1106	RTA00000340F.p.20.1	17008	4	0	0	0	0	0	0	0
1107	RTA00000411F.a.10.1	73073	1	0	0	0	0	0	0	0
1108	RTA00000409F.n.17.1	76725	1	0	0	0	0	0	0	0
1109	RTA00000404F.c.03.2	39198	2	0	0	0	0	0	0	0
1110	RTA00000420F.a.19.1	34192	1	1	0	0	0	0	0	0
1114	RTA00000420F.d.12.1	64095	1	0	0	0	0	0	0	0
1115	RTA00000409F.j.19.1	73792	1	0	0	0	0	0	0	0
1116	RTA00000422F.d.16.1	39133	2	0	0	0	0	0	0	0

SEQ ID	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
NO:										
1117	RTA00000418F.m.16.1	74986	1	0	0	0	0	0	0	0
1118	RTA00000405F.c.11.1	39068	2	0	0	0	0	0	0	0
1119	RTA00000404F.k.22.1	39084	2	0	0	0	0	0	0	0
1120	RTA00000418F.k.07.1	75067	1	0	0	0	0	0	0	0
1121	RTA00000403F.c.10.1	75261	1	0	0	0	0	0	0	0
1124	RTA00000410F.m.05.1	74964	1	0	0	0	0	0	0	0
1125	RTA00000405F.i.20.1	38532	2	0	0	0	0	0	0	0
1127	RTA00000408F.p.24.1	74286	1	0	0	0	0	0	0	0
1128	RTA00000418F.k.18.1	75385	1	0	0	0	0	0	0	0
1129	RTA00000422F.m.04.1	38702	2	0	0	0	0	0	0	0
1133	RTA00000403F.a.07.1	73559	1	0	0	0	0	0	0	0
1135	RTA00000403F.b.19.1	22327	2	1	0	0	0	0	0	0
1136	RTA00000418F.m.23.1	77195	1	0	0	0	0	0	0	0
1138	RTA00000404F.i.18.1	21912	2	1	0	0	0	0	0	0
1139	RTA00000422F.i.14.1	39300	2	0	0	0	0	0	0	0
1140	RTA00000418F.m.14.1	75711	1	0	0	1	0	0	0	0
1141	RTA00000406F.o.12.1	37459	2	0	0	0	0	0	0	0
1143	RTA00000411F.a.07.1	74547	1	0	0	0	0	0	0	0
1144	RTA00000411F.c.02.1	72852	1	0	0	0	0	0	0	0
1146	RTA00000130A.h.16.1	80761	1	0	0	0	0	0	0	0
1147	RTA00000410F.p.23.1	73948	1	0	0	0	0	0	0	0
1148	RTA00000418F.m.24.1	77114	1	0	0	0	0	0	0	0
1150	RTA00000408F.j.19.2	73752	1	0	0	0	0	0	0	0
1152	RTA00000118A.d.17.1	81921	1	0	0	0	0	0	0	0
1153	RTA00000407F.b.04.1	63221	1	0	0	0	0	0	0	0
1154	RTA00000411F.e.07.1	65008	1	0	0	0	0	0	0	0
1156	RTA00000132A.c.11.1	87278	1	0	0	0	0	0	0	0
1157	RTA00000420F.e.16.1	63639	1	0	0	0	0	0	0	0
1159	RTA00000404F.b.11.1	39079	2	0	0	0	0	0	0	0
1160	RTA00000418F.k.17.1	75390	1	0	0	0	0	0	0	0
1161	RTA00000129A.k.12.1	79322	1	0	0	0	0	0	0	0
1162	RTA00000340R.m.07.1	78415	1	0	0	0	0	0	0	0
1163	RTA00000405F.d.14.1	35209	2	0	0	0	0	0	1	0
1164	RTA00000406F.f.11.1	38601	2	0	0	0	0	0	0	0
1165	RTA00000120A.h.5.1	80344	1	0	0	0	0	0	0	0
1167	RTA00000411F.g.06.1	66065	1	0	0	0	0	0	0	0
1168	RTA00000408F.d.16.1	76318	1	0	0	0	0	0	0	0
1171	RTA00000404F.c.19.1	39026	2	0	0	0	0	0	0	1
1173	RTA00000410F.a.01.1	73354	1	0	0	0	0	0	0	0

SEQ ID	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
NO:										
1174	RTA00000408F.h.08.1	74575	1	0	0	0	0	0	0	0
1175	RTA00000422F.b.16.1	17045	4	0	0	0	0	0	0	0
1176	RTA00000419F.f.10.1	66193	1	0	0	0	0	0	0	0
1177	RTA00000418F.l.04.1	74140	1	0	0	0	0	0	0	0
1178	RTA00000410F.a.16.1	73548	1	0	0	0	0	0	0	0
1179	RTA00000138A.e.13.1	79608	1	0	0	0	0	0	0	0
1180	RTA00000130A.b.5.1	79579	1	0	0	0	0	0	0	0
1181	RTA00000408F.j.15.2	74759	1	0	0	0	0	0	0	0
1182	RTA00000410F.m.20.1	74285	1	0	0	0	0	0	0	0
1185	RTA00000419F.e.04.1	62963	1	0	0	0	0	0	0	0
1187	RTA00000418F.g.05.1	73075	1	0	0	0	0	0	0	0
1188	RTA00000419F.n.02.1	65963	1	0	0	0	0	0	0	0
1191	RTA00000119A.m.15.1	80989	1	0	0	0	0	0	0	0
1194	RTA00000413F.g.23.1	40700	1	1	0	0	0	0	0	0
1195	RTA00000403F.a.18.1	75726	1	0	0	0	0	0	0	0
1196	RTA00000404F.m.20.2	39144	2	0	0	0	0	0	0	0
1199	RTA00000419F.h.04.1	65034	1	0	0	0	0	0	0	0
1200	RTA00000408F.d.12.1	75782	1	0	0	0	0	0	0	0
1201	RTA00000133A.m.19.2	80167	1	0	0	0	0	0	0	0
1206	RTA00000126A.o.22.1	81752	1	0	0	0	0	0	0	0
1207	RTA00000419F.n.13.1	66026	1	0	0	0	0	0	0	0
1208	RTA00000130A.h.13.1	80790	1	0	0	0	0	0	0	0
1212	RTA00000411F.m.19.1	74924	1	0	0	0	0	0	0	0
1214	RTA00000419F.k.06.1	78493	1	0	0	0	0	0	0	0
1216	RTA00000412F.d.16.1	26829	1	0	0	0	0	0	0	0
1217	RTA00000119A.j.23.1	79835	1	0	0	0	0	0	0	0
1219	RTA00000195AF.c.12.1	37582	2	0	0	0	0	0	0	0
1223	RTA00000423F.c.19.1	40472	2	0	0	0	0	0	0	0
1224	RTA00000405F.g.24.1	39076	2	0	0	0	0	0	0	0
1226	RTA00000419F.c.11.1	65504	1	0	0	0	0	0	0	0
1227	RTA00000135A.f.14.2	79969	1	0	0	0	0	0	0	0
1228	RTA00000403F.a.05.1	18808	1	1	0	0	0	0	0	0
1229	RTA00000405F.e.17.1	38662	2	0	0	0	0	0	0	0
1230	RTA00000411F.d.05.1	75812	1	0	0	0	0	0	0	0
1232	RTA00000418F.d.03.1	76824	1	0	0	0	0	0	0	0
1233	RTA00000418F.h.08.1	76401	1	0	0	0	0	0	0	0
1234	RTA00000418F.m.10.1	79110	1	0	0	0	0	0	0	0
1235	RTA00000411F.i.15.1	31612	1	1	0	0	0	0	0	0
1236	RTA00000413F.i.23.1	63073	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1237	RTA00000411F.e.24.1	64781	1	0	0	0	0	0	0	0
1238	RTA00000406F.g.22.1	38590	2	0	0	0	0	0	0	0
1239	RTA00000126A.n.13.2	79735	1	0	0	0	0	0	0	0
1240	RTA00000419F.a.02.1	77993	1	0	0	0	0	0	0	0
1241	RTA00000346F.l.13.1	7542	8	0	0	2	1	0	1	0
1245	RTA00000120A.d.15.1	80533	1	0	0	0	0	0	0	0
1246	RTA00000418F.f.21.1	75157	1	0	0	0	0	0	0	0
1248	RTA00000129A.d.1.2	80058	1	0	0	0	0	0	0	0
1251	RTA00000419F.m.20.1	76720	1	0	0	0	0	0	0	0
1253	RTA00000406F.e.15.1	39074	2	0	0	0	0	0	0	0
1255	RTA00000411F.c.10.1	73117	1	0	0	0	0	0	0	0
1259	RTA00000413F.d.05.1	64788	1	0	0	0	0	0	0	0
1260	RTA00000121A.o.3.1	81437	1	0	0	0	0	0	0	0
1262	RTA00000420F.e.02.1	40259	2	0	0	0	0	0	0	0
1268	RTA00000126A.k.7.2	79866	1	0	0	0	0	0	0	0
1270	RTA00000419F.l.03.1	79060	1	0	0	0	0	0	0	0
1272	RTA00000118A.a.2.1	38067	2	0	0	0	0	0	0	0
1273	RTA00000410F.m.18.1	76365	1	0	0	0	0	0	0	0
1275	RTA00000406F.c.20.1	38578	2	0	0	0	0	0	0	0
1276	RTA00000413F.b.14.1	66591	1	0	0	0	0	0	0	0
1277	RTA00000406F.c.18.1	14368	2	0	0	0	0	0	0	0
1278	RTA00000418F.j.09.1	76352	1	0	0	0	0	0	0	0
1279	RTA00000419F.f.23.1	65002	1	0	0	0	0	0	0	0
1281	RTA00000411F.a.05.1	76699	1	0	0	0	0	0	0	0
1282	RTA00000419F.m.21.1	77947	1	0	0	0	0	0	0	0
1283	RTA00000405F.n.16.1	21503	2	1	1	0	0	0	0	0
1284	RTA00000422F.o.19.2	13084	3	2	0	0	0	0	0	0
1285	RTA00000408F.n.02.2	76993	1	0	0	0	0	0	0	0
1290	RTA00000119A.g.7.1	83580	1	0	0	0	0	0	0	0
1291	RTA00000411F.i.02.1	66975	1	0	0	0	0	0	0	0
1292	RTA00000408F.l.09.1	75487	1	0	0	0	0	0	0	0
1293	RTA00000423F.g.04.1	23012	2	1	0	0	0	0	0	0
1295	RTA00000418F.i.18.1	78024	1	0	0	0	0	0	0	0
1296	RTA00000411F.h.15.1	65160	1	0	0	0	0	0	0	0
1297	RTA00000410F.i.19.1	78988	1	0	0	0	0	0	0	0
1298	RTA00000419F.k.24.1	75596	1	0	0	0	0	0	0	0
1301	RTA00000409F.i.09.1	75279	1	0	0	0	0	0	0	0
1302	RTA00000419F.h.02.1	63985	1	0	0	0	0	0	0	0
1303	RTA00000413F.b.12.1	64932	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1304	RTA00000121A.h.18.1	16376	4	0	0	0	0	0	0	0
1305	RTA00000411F.n.20.1	75816	1	0	0	0	0	0	0	0
1307	RTA00000411F.n.12.1	73308	1	0	0	0	0	0	0	0
1308	RTA00000408F.j.12.2	18226	1	0	0	0	0	0	0	0
1309	RTA00000409F.i.03.1	75968	1	0	0	0	0	0	0	0
1312	RTA00000409F.j.05.1	74128	1	0	0	0	0	0	0	0
1313	RTA00000419F.m.04.1	74367	1	0	0	0	0	0	0	0
1314	RTA00000418F.k.03.1	78901	1	0	0	0	0	0	0	0
1315	RTA00000419F.d.16.1	64357	1	0	0	0	0	0	0	0
1316	RTA00000420F.e.10.1	65899	1	0	0	0	0	0	0	0
1319	RTA00000418F.k.08.1	18259	1	0	0	0	0	0	0	0
1322	RTA00000410F.c.02.1	75055	1	0	0	0	0	0	0	0
1324	RTA00000403F.h.18.1	39241	2	0	0	0	0	0	0	0
1325	RTA00000405F.n.13.1	23810	2	1	0	0	0	0	0	0
1326	RTA00000355R.e.14.1	16837	2	2	0	0	0	0	0	0
1327	RTA00000422F.l.03.1	39147	2	0	0	0	0	0	0	0
1329	RTA00000403F.o.14.1	38971	2	0	0	0	0	0	0	0
1333	RTA00000127A.f.11.1	81463	1	0	0	0	0	0	0	0
1335	RTA00000403F.o.07.1	39037	2	0	0	0	0	0	0	0
1336	RTA00000403F.d.19.1	39243	2	0	0	0	0	0	0	0
1338	RTA00000406F.i.17.1	37902	2	0	0	0	0	0	0	0
1339	RTA00000418F.d.22.1	75324	1	0	0	0	0	0	0	0
1340	RTA00000340R.o.12.1	53732	1	0	0	0	0	0	0	0
1341	RTA00000125A.g.24.1	80397	1	0	0	0	0	0	0	0
1342	RTA00000130A.o.21.1	80218	1	0	0	0	0	0	0	0
1343	RTA00000420F.a.23.1	42158	1	1	0	0	0	0	0	0
1344	RTA00000411F.m.18.1	75629	1	0	0	0	0	0	0	0
1345	RTA00000407F.b.22.1	37487	2	0	0	0	0	0	0	0
1346	RTA00000409F.a.16.1	73990	1	0	0	0	0	0	0	0
1348	RTA00000341F.k.12.1	62985	1	0	0	0	0	0	0	0
1349	RTA00000129A.c.18.2	37216	2	0	0	0	0	0	0	0
1350	RTA00000410F.d.10.1	77561	1	0	0	0	0	0	0	0
1351	RTA00000351R.i.03.1	6874	6	3	0	0	1	0	0	0
1352	RTA00000135A.l.1.2	39426	2	0	0	0	0	0	0	0
1353	RTA00000420F.b.18.1	66136	1	0	0	0	0	0	0	0
1356	RTA00000403F.o.13.1	39049	2	0	0	0	0	0	0	0
1357	RTA00000411F.f.06.1	64186	1	0	0	0	0	0	0	0
1359	RTA00000351R.c.13.1	11476	6	0	0	0	0	0	0	0
1362	RTA00000420F.d.16.1	64485	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1363	RTA00000404F.i.12.1	39001	2	0	0	0	0	0	0	0
1364	RTA00000404F.o.10.2	16785	2	2	0	0	0	0	0	0
1365	RTA00000419F.d.07.1	21421	1	2	0	0	0	0	0	0
1366	RTA00000404F.p.02.2	39097	2	0	1	0	0	0	0	0
1367	RTA00000125A.k.14.1	79457	1	0	0	0	0	0	0	0
1368	RTA00000122A.j.22.1	81151	1	0	0	0	0	0	0	0
1369	RTA00000406F.i.13.1	37904	2	0	0	0	0	0	0	0
1370	RTA00000135A.b.23.1	35241	2	0	0	0	0	0	0	0
1373	RTA00000423F.l.04.1	14320	2	0	0	0	0	0	0	0
1374	RTA00000420F.b.04.1	63820	1	0	0	0	0	0	0	0
1376	RTA00000408F.i.18.2	74410	1	0	0	0	0	0	0	0
1378	RTA00000341F.j.05.1	36177	2	0	0	0	0	0	0	0
1379	RTA00000420F.a.16.1	63345	1	0	0	0	0	0	0	0
1381	RTA00000410F.j.01.1	73399	1	0	0	0	0	0	0	0
1382	RTA00000408F.p.21.1	77930	1	0	0	0	0	0	0	0
1383	RTA00000412F.d.19.1	75743	1	0	0	0	0	0	0	0
1384	RTA00000352R.c.04.1	71976	1	0	0	0	0	0	0	0
1385	RTA00000413F.f.19.1	65189	1	0	0	0	0	0	0	0
1386	RTA00000411F.e.03.1	73648	1	0	0	0	0	0	0	0
1389	RTA00000418F.c.04.1	41587	1	1	0	0	0	0	0	0
1390	RTA00000418F.o.17.1	79069	1	0	0	0	0	0	0	0
1391	RTA00000418F.e.21.1	74773	1	0	0	0	0	0	0	0
1392	RTA00000419F.d.14.1	64945	1	0	0	0	0	0	0	0
1396	RTA00000410F.j.20.1	73601	1	0	0	0	0	0	0	0
1399	RTA00000119A.j.9.1	82060	1	0	0	0	0	0	0	0
1403	RTA00000340F.i.13.1	79299	1	0	0	0	0	0	0	0
1404	RTA00000412F.g.03.1	64740	1	0	0	0	0	0	0	0
1405	RTA00000122A.g.17.1	32655	1	1	0	0	0	0	0	0
1407	RTA00000419F.n.12.1	66086	1	0	0	0	0	0	0	0
1410	RTA00000351R.p.14.1	13166	2	3	0	0	0	0	0	0
1411	RTA00000403F.e.08.1	19126	3	0	0	0	0	0	0	0
1412	RTA00000124A.k.20.1	80913	1	0	0	0	0	0	0	0
1413	RTA00000121A.n.2.1	33585	1	1	0	0	0	0	0	0
1414	RTA00000422F.m.24.1	39159	2	0	1	0	1	1	2	2
1415	RTA00000408F.e.24.2	75002	1	0	0	0	0	0	0	0
1418	RTA00000403F.b.12.1	78775	1	0	0	0	0	0	0	0
1419	RTA00000404F.a.09.1	38985	2	0	0	0	0	0	0	0
1421	RTA00000403F.o.19.1	78615	1	0	0	0	0	0	0	0
1424	RTA00000410F.b.10.1	74504	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1426	RTA00000413F.h.12.1	66929	1	0	0	0	0	0	0	0
1427	RTA00000406F.k.14.1	38651	2	0	0	0	0	0	0	0
1429	RTA00000411F.f.17.1	65661	1	0	0	0	0	0	0	0
1430	RTA00000411F.k.10.1	64506	1	0	0	0	0	0	0	0
1431	RTA00000411F.g.21.1	64500	1	0	0	0	0	0	0	0
1432	RTA00000119A.h.24.1	82266	1	0	0	0	0	0	0	0
1434	RTA00000408F.m.22.2	72949	1	0	0	0	0	0	0	0
1437	RTA00000410F.i.17.1	78147	1	0	0	0	0	0	0	0
1440	RTA00000129A.a.13.2	79780	1	0	0	0	0	0	0	0
1441	RTA00000129A.k.21.1	82067	1	0	0	0	0	0	0	0
1442	RTA00000350R.g.10.1	9026	7	0	0	1	0	0	0	0
1443	RTA00000413F.d.23.1	66030	1	0	0	0	0	0	0	0
1447	RTA00000411F.d.10.1	76445	1	0	0	0	0	0	0	0
1448	RTA00000404F.b.19.1	39281	2	0	0	0	0	0	0	0
1449	RTA00000418F.c.07.1	73245	1	0	0	0	0	0	0	0
1450	RTA00000418F.j.15.1	74855	1	0	0	0	0	1	0	0
1453	RTA00000413F.b.16.1	65126	1	0	0	0	0	0	0	0
1455	RTA00000350R.m.14.1	39171	2	0	0	0	0	0	0	0
1456	RTA00000418F.l.11.1	77158	1	0	0	0	0	0	0	0
1457	RTA00000130A.d.5.1	82051	1	0	0	0	0	0	0	0
1458	RTA00000339F.n.05.1	39648	2	0	0	0	0	0	0	0
1460	RTA00000407F.a.23.1	23489	2	1	0	0	0	0	0	0
1462	RTA00000403F.h.11.1	39219	2	0	0	0	0	0	0	0
1463	RTA00000406F.j.13.1	38688	2	0	0	0	0	0	0	0
1464	RTA00000352R.p.09.1	16915	4	0	0	0	0	0	0	0
1465	RTA00000413F.g.24.1	65481	1	0	0	0	0	0	0	0
1469	RTA00000420F.a.08.1	19473	1	2	0	0	0	0	0	0
1472	RTA00000404F.i.22.1	39082	2	0	0	0	0	0	0	0
1473	RTA00000124A.k.23.1	81350	1	0	0	0	0	0	0	0
1474	RTA00000404F.e.11.1	38991	2	0	0	0	0	0	0	0
1475	RTA00000129A.d.2.4	80119	1	0	0	0	0	0	0	0
1478	RTA00000419F.o.15.1	32487	1	1	0	0	0	0	0	0
1479	RTA00000119A.m.17.1	79536	1	0	0	0	0	0	0	0
1480	RTA00000410F.b.07.1	78916	1	0	0	0	0	0	0	0
1481	RTA00000420F.b.19.1	36873	2	0	0	0	0	0	0	0
1483	RTA00000411F.b.21.1	10051	1	0	0	0	0	0	0	0
1485	RTA00000356R.c.16.1	16915	4	0	0	0	0	0	0	0
1487	RTA00000412F.h.11.1	63175	1	0	0	0	0	0	0	0
1490	RTA00000420F.a.11.1	66460	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1491	RTA00000120A.c.7.1	80985	1	0	0	1	0	0	0	0
1492	RTA00000404F.e.15.1	39101	2	0	0	0	0	0	0	0
1493	RTA00000422F.n.20.1	38676	2	0	0	0	0	0	1	0
1494	RTA00000423F.h.20.1	38639	2	0	0	0	0	0	0	0
1497	RTA00000410F.b.18.1	76701	1	0	0	0	0	0	0	0
1499	RTA00000423F.g.15.1	35173	2	0	0	0	0	0	0	0
1500	RTA00000413F.b.04.1	66427	1	0	0	0	0	0	0	0
1503	RTA00000346F.f.11.1	38528	2	0	0	0	0	0	0	0
1506	RTA00000422F.i.02.1	76436	1	0	0	0	0	0	0	0
1507	RTA00000410F.a.08.1	73324	1	0	0	0	0	0	0	0
1509	RTA00000419F.e.02.1	65010	1	0	0	0	0	0	0	0
1511	RTA00000403F.g.13.1	38718	2	0	0	0	0	0	0	0
1513	RTA00000407F.a.01.1	12501	3	1	0	0	0	0	0	0
1516	RTA00000411F.f.14.1	62984	1	0	0	0	0	0	0	0
1517	RTA00000411F.c.04.1	76858	1	0	0	0	0	0	0	0
1518	RTA00000135A.m.18.1	19255	2	0	0	0	0	0	0	0
1519	RTA00000413F.c.17.1	36831	2	0	0	0	0	0	0	0
1521	RTA00000404F.j.01.1	26859	2	0	0	0	0	0	0	0
1522	RTA00000138A.p.10.1	81625	1	0	0	0	0	0	0	0
1526	RTA00000423F.h.07.1	37933	2	0	0	0	0	0	0	0
1527	RTA00000413F.e.04.1	64176	1	0	0	0	0	0	0	0
1528	RTA00000406F.h.03.1	38585	2	0	0	0	0	0	0	0
1529	RTA00000403F.e.24.1	16432	2	2	0	0	0	0	0	0
1531	RTA00000403F.i.11.1	23535	2	1	0	0	0	0	0	0
1532	RTA00000419F.g.02.1	62839	1	0	0	0	0	0	0	0
1533	RTA00000347F.e.05.1	39814	2	0	0	0	0	0	0	0
1534	RTA00000408F.l.16.1	73468	1	0	0	0	0	0	0	0
1536	RTA00000423F.f.09.1	64823	1	0	0	0	0	0	0	0
1537	RTA00000419F.k.03.1	40822	1	1	0	0	0	0	0	0
1538	RTA00000406F.b.02.1	38744	2	0	0	0	0	0	0	0
1539	RTA00000418F.o.14.1	33524	1	1	0	0	0	0	0	0
1541	RTA00000404F.b.09.1	39166	2	0	0	0	0	0	0	0
1547	RTA00000406F.k.11.1	38715	2	0	0	0	0	0	0	0
1549	RTA00000406F.c.06.1	37924	2	0	0	0	0	0	0	0
1550	RTA00000418F.n.07.1	76316	1	0	0	0	0	0	0	0
1551	RTA00000419F.n.15.1	63484	1	0	0	0	0	0	0	0
1552	RTA00000408F.n.06.2	76642	1	0	0	0	0	0	0	0
1553	RTA00000420F.c.04.1	65007	1	0	0	0	0	0	0	0
1554	RTA00000411F.j.15.1	66871	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1556	RTA00000128A.m.23.1	81441	1	0	0	0	0	0	0	0
1557	RTA00000406F.g.03.1	38690	2	0	0	0	0	0	0	0
1558	RTA00000405F.h.05.2	75706	1	0	0	0	0	0	0	0
1559	RTA00000129A.n.24.1	81409	1	0	0	0	0	0	0	0
1562	RTA00000418F.n.11.1	78977	1	0	0	0	0	0	0	0
1565	RTA00000120A.h.9.1	80736	1	0	0	0	0	0	0	0
1566	RTA00000413F.a.12.1	63403	1	0	0	0	0	0	0	0
1567	RTA00000412F.o.05.1	63575	1	0	0	0	0	0	0	0
1571	RTA00000354R.n.04.1	22049	3	0	0	0	0	0	0	0
1573	RTA00000406F.h.05.1	38542	2	0	0	0	0	0	0	0
1574	RTA00000410F.b.24.1	75104	1	0	0	0	0	0	0	0
1575	RTA00000423F.d.11.1	38950	2	0	0	0	0	0	0	0
1578	RTA00000119A.k.1.1	81282	1	0	0	0	0	0	0	0
1579	RTA00000420F.f.07.1	66312	1	0	0	0	0	0	0	0
1580	RTA00000404F.k.22.2	39084	2	0	0	0	0	0	0	0
1581	RTA00000422F.e.07.1	38964	2	0	0	0	0	0	0	0
1582	RTA00000410F.f.12.1	73883	1	0	0	0	0	0	0	0
1584	RTA00000411F.m.11.1	73196	1	0	0	0	0	0	0	0
1587	RTA00000403F.o.10.2	38964	2	0	0	0	0	0	0	0
1590	RTA00000413F.c.10.1	65600	1	0	0	0	0	0	0	0
1591	RTA00000411F.b.17.1	72893	1	0	0	0	0	0	0	0
1593	RTA00000408F.k.19.1	77593	1	0	0	0	0	0	0	0
1596	RTA00000119A.i.8.1	82593	1	0	0	0	0	0	0	0
1598	RTA00000418F.g.03.1	78737	1	0	0	0	0	0	0	0
1599	RTA00000411F.a.09.1	78629	1	0	0	0	0	0	0	0
1601	RTA00000419F.j.11.1	73183	1	0	0	0	0	0	0	0
1603	RTA00000404F.n.18.2	37169	2	0	0	0	0	0	0	0
1604	RTA00000122A.n.16.1	80553	1	0	0	0	0	0	0	0
1605	RTA00000420F.c.07.1	65555	1	0	0	0	0	0	0	0
1608	RTA00000408F.j.13.2	42275	1	1	0	0	0	0	0	0
1610	RTA00000423F.a.01.1	39103	2	0	0	0	0	0	0	0
1613	RTA00000341F.e.20.1	67422	1	0	0	0	0	0	0	0
1614	RTA00000419F.m.22.1	75600	1	0	0	0	0	0	0	0
1615	RTA00000419F.m.23.1	64263	1	0	0	0	0	0	0	0
1616	RTA00000419F.b.06.1	76728	1	0	0	0	0	0	0	0
1618	RTA00000406F.p.08.1	37573	2	0	0	0	0	0	0	2
1619	RTA00000129A.n.17.1	79811	1	0	0	0	0	0	0	0
1621	RTA00000407F.b.08.1	37513	2	0	0	0	0	0	0	0
1623	RTA00000406F.i.08.1	37946	2	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1624	RTA00000403F.h.07.1	26856	2	0	0	0	0	0	0	0
1625	RTA00000418F.n.24.1	73153	1	0	0	0	0	0	0	0
1627	RTA00000409F.l.20.1	74394	1	0	0	0	0	0	0	0
1628	RTA00000418F.l.06.1	73317	1	0	0	0	0	0	0	0
1629	RTA00000346F.o.22.1	7381	2	6	0	0	0	0	0	0
1630	RTA00000129A.k.22.1	79639	1	0	0	0	0	0	0	0
1632	RTA00000418F.m.22.1	74567	1	0	0	0	0	0	0	0
1633	RTA00000413F.c.12.1	65334	1	0	0	0	0	0	0	0
1635	RTA00000418F.g.20.1	74626	1	0	0	0	0	0	0	0
1636	RTA00000413F.d.15.1	64943	1	0	0	0	0	0	0	0
1639	RTA00000412F.c.10.1	76372	1	0	0	0	0	0	0	0
1640	RTA00000122A.j.17.1	62736	1	0	0	0	0	0	0	0
1645	RTA00000418F.j.19.1	78399	1	0	0	0	0	0	0	0
1646	RTA00000137A.p.12.1	80614	1	0	0	0	0	0	0	0
1648	RTA00000418F.p.10.1	75323	1	0	0	0	0	0	0	0
1649	RTA00000408F.k.12.1	77246	1	0	0	0	0	0	0	0
1650	RTA00000137A.j.11.4	79752	1	0	0	0	0	0	0	0
1652	RTA00000419F.n.24.1	65995	1	0	0	0	0	0	0	0
1653	RTA00000418F.l.03.1	79058	1	0	0	0	0	0	0	0
1655	RTA00000419F.m.13.1	79052	1	0	0	0	0	0	0	0
1656	RTA00000418F.j.14.1	32623	1	1	0	0	0	0	0	0
1657	RTA00000403F.a.10.1	73952	1	0	0	0	0	0	0	0
1658	RTA00000420F.a.21.1	66241	1	0	0	0	0	0	0	0
1659	RTA00000127A.e.6.1	5885	4	2	0	0	0	0	0	0
1660	RTA00000405F.g.21.2	38966	2	0	0	0	0	0	0	0
1661	RTA00000405F.g.21.1	38966	2	0	0	0	0	0	0	0
1662	RTA00000419F.m.06.1	75749	1	0	0	0	0	0	0	0
1663	RTA00000423F.g.03.1	38007	2	0	0	0	0	0	0	0
1665	RTA00000418F.f.03.1	78911	1	0	0	0	0	0	0	0
1668	RTA00000120A.c.20.1	43235	1	1	0	0	0	1	0	0
1669	RTA00000138A.m.15.1	41603	1	1	0	0	0	0	0	0
1670	RTA00000408F.f.14.2	73024	1	0	0	0	0	0	0	0
1671	RTA00000418F.p.20.1	78023	1	0	0	0	0	0	0	0
1672	RTA00000423F.e.21.1	66961	1	0	0	0	0	0	0	0
1673	RTA00000419F.j.22.1	73525	1	0	0	0	0	0	0	0
1674	RTA00000410F.d.18.1	75458	1	0	0	0	0	0	0	0
1675	RTA00000403F.b.24.1	78838	1	0	0	0	0	0	0	0
1677	RTA00000410F.e.09.1	76093	1	0	0	0	0	0	0	0
1680	RTA00000353R.h.10.1	39498	2	0	0	0	0	0	0	0

SEQ ID	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
NO:										
1682	RTA00000411F.d.21.1	74794	1	0	0	0	0	0	0	0
1683	RTA00000340F.m.04.1	19406	2	1	0	0	0	0	0	0
1684	RTA00000411F.n.09.1	78962	1	0	0	0	0	0	0	0
1685	RTA00000127A.h.22.2	13155	2	3	0	0	0	0	0	0
1686	RTA00000420F.e.09.1	66325	1	0	0	0	0	0	0	0
1687	RTA00000405F.p.03.1	11346	3	3	0	0	0	0	0	0
1688	RTA00000419F.a.18.1	78484	1	0	0	0	0	0	0	0
1691	RTA00000121A.n.23.1	26981	2	0	0	0	0	0	0	0
1692	RTA00000121A.n.15.1	40849	1	1	0	0	0	0	0	0
1693	RTA00000403F.i.23.1	11364	4	2	0	0	0	0	0	0
1694	RTA00000405F.a.03.1	39065	2	0	0	0	0	0	0	0
1696	RTA00000419F.p.08.1	65560	1	0	0	0	0	0	0	0
1697	RTA00000126A.n.6.2	79917	1	0	0	0	0	0	0	0
1698	RTA00000413F.c.03.1	64527	1	0	0	1	0	0	0	0
1699	RTA00000422F.k.24.1	39118	2	0	0	0	0	0	0	0
1700	RTA00000412F.c.17.1	75620	1	0	0	0	0	0	0	0
1702	RTA00000347F.g.08.1	23121	3	0	0	0	0	0	0	0
1703	RTA00000419F.o.06.1	64643	1	0	0	0	0	0	0	0
1704	RTA00000340R.j.07.1	38954	2	0	0	0	0	0	0	0
1705	RTA00000423F.j.02.1	38617	2	0	0	0	0	0	0	0
1706	RTA00000419F.c.04.1	63749	1	0	0	0	0	0	0	0
1707	RTA00000411F.a.01.1	74524	1	0	0	0	0	0	0	0
1708	RTA00000406F.f.05.1	22961	2	1	0	0	0	0	1	0
1709	RTA00000410F.n.05.1	77830	1	0	0	0	0	0	0	0
1710	RTA00000404F.e.06.1	39315	2	0	0	0	0	0	0	0
1712	RTA00000411F.c.03.1	79280	1	0	0	0	0	0	0	0
1718	RTA00000405F.l.07.1	38636	2	0	0	0	0	0	0	0
1720	RTA00000411F.n.06.1	73886	1	0	0	0	0	0	0	0
1721	RTA00000422F.k.15.1	19253	2	0	0	0	0	0	0	0
1722	RTA00000406F.h.16.1	38618	2	0	0	0	0	0	0	0
1723	RTA00000419F.f.24.1	18717	1	1	0	0	0	0	0	0
1724	RTA00000411F.d.18.1	76063	1	0	0	0	0	0	0	0
1727	RTA00000408F.d.15.1	78467	1	0	0	0	0	0	0	0
1728	RTA00000339F.b.22.1	6867	7	3	0	0	0	0	0	0
1730	RTA00000411F.n.02.1	78049	1	0	0	0	0	0	0	0
1731	RTA00000419F.b.17.1	63261	1	0	0	0	0	0	0	0
1733	RTA00000130A.e.20.1	79502	1	0	0	0	0	0	0	0
1735	RTA00000411F.i.13.1	66138	1	0	0	0	0	0	0	0
1736	RTA00000420F.e.20.1	64762	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1737	RTA00000126A.p.23.2	80915	1	0	0	0	0	0	0	0
1739	RTA00000406F.g.08.1	37963	2	0	0	0	0	0	0	0
1740	RTA00000409F.a.08.1	74978	1	0	0	0	0	0	0	0
1741	RTA00000406F.d.24.1	37997	2	0	0	0	0	0	0	0
1744	RTA00000418F.i.12.1	78971	1	0	0	0	0	0	0	0
1745	RTA00000121A.h.19.1	80334	1	0	0	0	0	0	0	0
1746	RTA00000419F.b.10.1	78566	1	0	0	0	0	0	0	0
1747	RTA00000406F.m.10.1	38004	2	0	0	0	0	0	0	0
1748	RTA00000406F.o.05.1	37894	2	0	0	0	0	0	0	0
1749	RTA00000408F.b.04.2	39933	2	0	0	0	0	0	0	0
1750	RTA00000411F.k.04.1	65407	1	0	0	0	0	0	0	0
1752	RTA00000134A.l.9.1	81814	1	0	0	0	0	0	0	0
1754	RTA00000418F.k.04.1	75864	1	0	0	0	0	0	0	0
1757	RTA00000419F.p.18.1	63002	1	0	0	0	0	0	0	0
1759	RTA00000419F.a.24.1	79290	1	0	0	0	0	0	0	0
1761	RTA00000129A.e.14.1	80053	1	0	0	0	0	0	0	0
1762	RTA00000404F.a.01.1	19251	2	0	0	0	0	0	0	0
1765	RTA00000408F.n.16.2	73720	1	0	0	0	0	0	0	0
1769	RTA00000412F.l.14.1	62792	1	0	0	0	0	0	0	0
1770	RTA00000129A.b.6.2	39111	2	0	0	0	0	0	0	0
1771	RTA00000406F.n.12.1	37517	2	0	0	0	0	0	0	0
1772	RTA00000418F.e.03.1	73442	1	0	0	0	0	0	0	0
1774	RTA00000403F.g.03.1	23537	2	1	0	0	0	0	0	0
1775	RTA00000412F.p.06.1	65485	1	0	0	0	0	0	0	0
1776	RTA00000419F.b.21.1	65366	1	0	0	0	0	0	0	0
1779	RTA00000351R.j.16.1	64773	1	0	0	0	0	0	0	0
1781	RTA00000419F.f.18.1	64047	1	0	0	0	0	0	0	0
1782	RTA00000423F.i.16.1	38604	2	0	0	0	0	0	0	0
1784	RTA00000411F.f.04.1	64526	1	0	0	0	0	0	0	0
1785	RTA00000125A.c.17.1	80619	1	0	0	0	0	0	0	0
1786	RTA00000404F.g.08.1	38980	2	0	0	0	0	0	0	0
1787	RTA00000423F.c.13.1	39059	2	0	0	0	0	0	0	0
1790	RTA00000404F.k.15.1	18225	2	0	0	0	0	0	0	0
1792	RTA00000339F.l.12.1	7711	4	1	0	0	0	0	0	0
1793	RTA00000406F.b.01.1	39006	2	0	0	0	0	0	0	0
1794	RTA00000407F.c.08.1	37549	2	0	0	0	0	0	0	0
1796	RTA00000403F.b.05.1	74300	1	0	0	0	0	0	0	0
1800	RTA00000408F.j.05.2	73878	1	0	0	0	0	0	0	0
1802	RTA00000419F.c.14.1	65727	1	0	0	0	0	0	0	0

SEQ ID	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
NO:										
1806	RTA00000346F.h.24.1	4379	9	2	0	0	0	0	0	0
1807	RTA00000420F.b.02.1	64013	1	0	0	0	0	0	0	0
1808	RTA00000413F.b.24.1	65117	1	0	0	0	0	0	0	0
1809	RTA00000412F.d.08.1	75328	1	0	0	0	0	0	0	0
1811	RTA00000419F.m.18.1	76014	1	0	0	0	0	0	0	0
1812	RTA00000419F.l.24.1	74628	1	0	0	0	0	0	0	0
1813	RTA00000408F.c.06.1	78619	1	0	0	0	0	0	0	0
1814	RTA00000405F.h.21.2	39072	2	0	0	0	0	0	0	0
1816	RTA00000405F.g.05.2	38987	2	0	0	0	0	0	0	0
1817	RTA00000411F.f.20.1	63501	1	0	0	0	0	0	0	0
1819	RTA00000420F.d.19.1	43146	1	1	0	0	0	0	0	0
1820	RTA00000195R.a.06.1	35265	2	0	1	0	0	0	0	0
1821	RTA00000123A.f.2.1	80379	1	0	0	0	0	0	0	0
1822	RTA00000411F.j.11.1	66154	1	0	0	0	0	0	0	0
1827	RTA00000419F.j.03.1	77578	1	0	0	0	0	0	0	0
1829	RTA00000423F.h.11.1	38977	2	0	0	0	0	0	0	0
1830	RTA00000413F.b.17.1	21704	1	2	0	0	0	0	0	0
1833	RTA00000423F.f.03.1	63852	1	0	0	0	0	0	0	0
1834	RTA00000419F.e.10.1	63225	1	0	0	0	0	0	0	0
1836	RTA00000403F.d.02.1	39224	2	0	0	0	0	0	0	0
1838	RTA00000418F.j.20.1	77101	1	0	0	0	0	0	0	0
1846	RTA00000356R.h.05.1	35052	2	0	1	0	0	0	0	0
1848	RTA00000340F.i.15.1	26815	1	0	0	0	0	0	0	0
1850	RTA00000345F.c.12.1	23824	2	1	0	0	0	0	0	0
1852	RTA00000412F.o.03.1	65039	1	0	0	0	0	0	0	0
1853	RTA00000409F.d.16.1	76090	1	0	0	0	0	0	0	0
1856	RTA00000408F.j.17.2	78935	1	0	0	0	0	0	0	0
1857	RTA00000126A.j.15.2	40425	2	0	0	0	0	0	0	0
1861	RTA00000410F.b.17.1	77458	1	0	0	0	0	0	0	0
1862	RTA00000419F.l.22.1	78444	1	0	0	0	0	0	0	0
1864	RTA00000422F.f.22.1	38703	2	0	0	0	0	0	0	0
1867	RTA00000418F.c.05.1	76475	1	0	0	0	0	0	0	0
1868	RTA00000418F.p.21.1	78068	1	0	0	0	0	0	0	0
1870	RTA00000340F.i.08.1	12005	2	1	0	0	0	0	0	0
1871	RTA00000410F.o.04.1	79018	1	0	0	0	0	0	0	0
1872	RTA00000411F.l.16.1	16122	1	3	0	0	0	0	0	0
1873	RTA00000411F.j.03.1	66263	1	0	0	0	0	0	0	0
1874	RTA00000126A.k.24.1	39428	2	0	0	0	0	0	0	0
1876	RTA00000120A.m.10.3	81376	1	0	0	0	0	0	0	0

SEQ ID	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
NO:										
1877	RTA00000419F.f.16.1	64679	1	0	0	0	0	0	0	0
1878	RTA00000408F.c.23.1	42261	1	1	0	0	0	0	0	0
1881	RTA00000136A.h.6.1	81620	1	0	0	0	0	0	0	0
1886	RTA00000418F.e.20.1	73741	1	0	0	0	0	0	0	0
1888	RTA00000405F.l.03.1	38580	2	0	0	0	0	0	0	0
1889	RTA00000418F.m.02.1	74550	1	0	0	0	0	0	0	0
1891	RTA00000406F.c.05.1	22077	3	0	1	0	0	0	0	0
1893	RTA00000411F.k.21.1	65349	1	0	0	0	0	0	0	0
1897	RTA00000418F.i.06.1	75151	1	0	0	0	0	0	0	0
1898	RTA00000423F.a.03.1	26796	2	0	0	0	0	0	0	0
1900	RTA00000423F.k.21.2	37499	2	0	0	0	0	0	0	0
1902	RTA00000404F.c.18.1	38982	2	0	0	0	0	0	0	0
1905	RTA00000411F.g.24.1	65233	1	0	0	0	0	0	0	0
1907	RTA00000405F.m.07.1	37733	2	0	0	0	0	0	0	0
1908	RTA00000411F.j.07.1	66963	1	0	0	0	0	0	0	0
1910	RTA00000353R.h.04.1	17123	4	0	0	0	0	0	0	0
1911	RTA00000408F.f.10.2	75309	1	0	0	0	0	0	0	0
1913	RTA00000405F.o.03.1	37575	2	0	0	0	0	0	0	0
1914	RTA00000413F.b.18.1	39873	2	0	0	0	0	0	0	0
1920	RTA00000408F.c.08.1	73473	1	0	0	0	0	0	0	0
1922	RTA00000410F.c.06.1	77784	1	0	0	0	1	0	0	0
1924	RTA00000405F.b.08.1	39182	2	0	0	0	0	0	0	0
1925	RTA00000409F.l.24.1	73174	1	0	0	0	0	0	0	0
1926	RTA00000406F.j.06.1	38952	2	0	0	0	0	0	0	0
1927	RTA00000423F.h.03.1	37903	2	0	0	0	0	0	0	0
1929	RTA00000121A.k.22.1	79523	1	0	0	0	0	0	0	0
1931	RTA00000411F.m.06.1	24195	2	1	0	0	0	0	0	0
1932	RTA00000126A.b.9.1	81279	1	0	0	0	0	0	0	0
1935	RTA00000404F.l.05.1	38671	2	0	0	0	0	0	0	0
1941	RTA00000419F.p.10.1	41448	1	1	0	0	0	0	0	0
1942	RTA00000120A.c.19.1	81016	1	0	0	0	0	0	0	0
1948	RTA00000411F.k.14.1	63987	1	0	0	0	0	0	0	0
1949	RTA00000420F.e.05.1	63908	1	0	0	0	0	0	0	0
1952	RTA00000128A.j.10.1	80085	1	0	0	0	0	0	0	0
1953	RTA00000412F.f.10.2	65405	1	0	0	0	0	0	0	0
1955	RTA00000422F.k.17.1	38955	2	0	0	0	0	0	0	0
1957	RTA00000347F.h.10.1	22779	3	0	0	0	0	0	0	0
1959	RTA00000419F.l.02.1	75736	1	0	0	0	0	0	0	0
1961	RTA00000418F.b.20.1	73560	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
1964	RTA00000408F.n.05.2	77883	1	0	0	0	0	0	0	0
1965	RTA00000419F.o.09.1	66396	1	0	0	0	0	0	0	0
1970	RTA00000422F.o.08.2	26832	2	0	0	0	0	0	0	0
1973	RTA00000418F.m.18.1	76479	1	0	0	0	0	0	0	0
1974	RTA00000347F.e.20.1	39911	2	0	0	0	0	0	0	0
1975	RTA00000419F.e.23.1	65772	1	0	0	0	0	0	0	0
1982	RTA00000411F.g.05.1	64664	1	0	0	0	0	0	0	0
1983	RTA00000404F.h.10.1	37148	2	0	0	0	0	0	0	0
1984	RTA00000422F.n.14.1	26787	2	0	0	0	0	0	0	0
1986	RTA00000120A.m.13.3	80608	1	0	0	0	0	0	0	0
1987	RTA00000412F.i.03.1	65617	1	0	0	0	0	0	0	0
1988	RTA00000418F.l.02.1	39316	2	0	0	0	0	0	0	0
1990	RTA00000411F.j.04.1	66219	1	0	0	0	0	0	0	0
1995	RTA00000404F.a.18.1	36267	2	0	0	0	0	0	0	0
1996	RTA00000408F.l.14.1	12001	2	3	0	0	0	0	0	0
1997	RTA00000405F.d.10.1	39000	2	0	0	0	0	0	0	0
1999	RTA00000418F.h.23.1	75153	1	0	0	0	0	0	0	0
2001	RTA00000418F.j.11.1	73853	1	0	0	0	0	0	0	0
2002	RTA00000408F.o.13.1	74895	1	0	0	0	0	0	0	0
2003	RTA00000419F.o.07.1	14059	1	0	0	0	0	0	0	0
2004	RTA00000419F.n.17.1	63186	1	0	0	0	0	0	0	0
2005	RTA00000403F.f.15.1	22768	3	0	0	0	0	0	0	0
2006	RTA00000408F.d.03.1	22768	3	0	0	0	0	0	0	0
2008	RTA00000346F.f.02.1	62757	1	0	0	0	0	0	0	0
2010	RTA00000413F.i.21.1	64066	1	0	0	0	0	0	0	0
2012	RTA00000419F.h.21.1	64828	1	0	0	0	0	0	0	0
2021	RTA00000121A.a.2.1	81843	1	0	0	0	0	0	0	0
2022	RTA00000527F.g.13.1	36035	2	0	0	0	0	0	0	0
2025	RTA00000426F.h.11.1	75479	1	0	0	0	0	0	0	0
2030	RTA00000522F.b.22.1	75181	1	0	0	0	0	0	0	0
2033	RTA00000522F.a.23.1	38613	2	0	0	0	0	0	0	0
2035	RTA00000523F.b.02.1	65163	1	0	0	0	0	0	0	0
2036	RTA00000425F.j.14.1	73397	1	0	0	0	0	0	0	0
2039	RTA00000522F.e.16.1	75283	1	0	0	0	0	0	0	0
2042	RTA00000523F.h.17.1	65586	1	0	0	0	0	0	0	0
2044	RTA00000522F.p.07.1	76888	1	0	0	0	0	0	0	0
2045	RTA00000522F.n.08.1	76343	1	0	0	0	0	0	0	0
2046	RTA00000425F.c.06.1	78041	1	0	0	0	0	0	0	0
2047	RTA00000427F.b.23.1	64297	1	0	0	0	0	0	0	0

SEQ ID	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
NO:										
2048	RTA00000527F.p.02.1	36844	2	0	0	0	0	0	0	0
2049	RTA00000427F.d.08.1	63967	1	0	0	0	0	0	0	0
2051	RTA00000426F.m.07.1	63504	1	0	0	0	0	0	0	0
2052	RTA00000427F.c.10.1	65478	1	0	0	0	0	0	0	0
2055	RTA00000424F.m.15.1	73759	1	0	0	0	0	0	0	0
2056	RTA00000426F.f.11.1	63102	1	0	0	0	0	0	0	0
2058	RTA00000426F.f.20.1	65134	1	0	0	0	0	0	0	0
2063	RTA00000527F.i.19.2	38089	2	0	0	0	0	0	0	0
2068	RTA00000523F.e.18.1	62898	1	0	0	0	0	0	0	0
2069	RTA00000527F.k.21.1	36051	2	0	0	0	0	0	0	0
2072	RTA00000522F.n.02.1	74959	1	0	0	0	0	0	0	0
2075	RTA00000425F.f.19.1	32635	1	1	0	0	0	0	0	0
2076	RTA00000528F.e.23.1	19242	3	0	0	0	0	0	0	0
2077	RTA00000522F.n.16.1	26769	1	0	0	0	0	0	0	0
2078	RTA00000427F.c.20.1	26527	1	0	0	0	0	0	0	0
2079	RTA00000527F.k.06.1	12469	3	1	0	0	0	0	0	0
2081	RTA00000523F.i.06.1	66341	1	0	0	0	0	0	0	0
2082	RTA00000427F.f.21.1	36853	2	0	0	0	0	0	0	0
2083	RTA00000427F.j.19.1	41395	1	1	0	0	0	0	0	0
2084	RTA00000522F.b.01.1	75691	1	0	0	0	0	0	0	0
2085	RTA00000424F.i.24.1	79101	1	0	0	0	0	0	0	0
2086	RTA00000523F.c.01.1	65710	1	0	0	0	0	0	0	0
2087	RTA00000427F.b.15.1	66891	1	0	0	0	0	0	0	0
2090	RTA00000522F.j.15.2	76535	1	0	0	0	0	0	0	0
2093	RTA00000426F.f.19.1	66701	1	0	1	0	0	0	0	0
2096	RTA00000523F.i.22.1	64688	1	0	0	0	0	0	0	0
2098	RTA00000425F.i.17.1	43213	1	1	0	0	0	0	0	0
2101	RTA00000425F.p.12.1	73219	1	0	0	0	0	0	0	0
2102	RTA00000427F.j.07.1	64819	1	0	0	0	0	0	0	0
2104	RTA00000527F.i.05.2	37481	2	0	0	0	0	0	0	0
2107	RTA00000523F.k.01.1	41437	1	1	0	0	0	0	0	0
2108	RTA00000425F.j.11.1	76667	1	0	0	0	0	0	0	0
2109	RTA00000424F.b.22.4	72971	1	0	0	0	0	0	0	0
2111	RTA00000525F.a.03.1	36786	2	0	0	0	0	0	0	0
2112	RTA00000527F.i.21.2	37490	2	0	0	0	0	0	0	0
2113	RTA00000424F.a.24.4	73951	1	0	0	0	0	0	0	0
2114	RTA00000522F.k.14.1	74280	1	0	0	0	0	0	0	0
2115	RTA00000522F.n.05.1	73260	1	0	0	0	0	0	0	0
2116	RTA00000523F.c.18.1	66179	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
2117	RTA00000523F.b.13.1	66330	1	0	0	0	0	0	0	0
2119	RTA00000527F.p.16.1	23798	2	1	0	0	0	0	0	0
2120	RTA00000425F.c.20.1	73581	1	0	0	0	0	0	0	0
2121	RTA00000424F.i.21.1	73482	1	0	0	0	0	0	0	0
2122	RTA00000523F.j.19.1	65910	1	0	0	0	0	0	0	0
2124	RTA00000424F.b.22.1	72971	1	0	0	0	0	0	0	0
2125	RTA00000527F.b.18.1	37469	2	0	0	0	0	0	0	0
2129	RTA00000525F.e.16.1	36837	2	0	0	0	0	0	0	0
2131	RTA00000522F.d.08.1	74284	1	0	0	0	0	0	0	0
2134	RTA00000527F.g.07.1	37488	2	0	0	0	0	0	0	0
2136	RTA00000525F.b.05.1	21116	2	1	0	0	0	0	0	0
2137	RTA00000425F.n.05.1	73965	1	0	0	0	0	0	0	0
2138	RTA00000523F.d.18.1	64072	1	0	0	0	0	0	0	0
2139	RTA00000525F.a.02.1	37454	2	0	0	0	0	0	0	0
2141	RTA00000426F.h.09.1	78797	1	0	0	0	0	0	0	0
2144	RTA00000427F.g.05.1	63138	1	0	0	0	0	0	0	0
2145	RTA00000424F.m.12.1	77675	1	0	0	0	0	0	0	0
2151	RTA00000427F.h.12.1	36894	2	0	0	0	0	0	0	0
2152	RTA00000523F.c.15.1	36935	2	0	0	0	0	0	0	0
2153	RTA00000427F.k.17.1	64965	1	0	0	0	0	0	0	0
2155	RTA00000424F.c.14.3	76614	1	0	0	0	0	0	0	0
2156	RTA00000522F.k.10.2	77619	1	0	0	0	0	0	0	0
2157	RTA00000424F.m.22.1	72943	1	0	0	0	0	0	0	0
2158	RTA00000527F.h.17.1	37799	2	0	0	0	0	0	0	0
2159	RTA00000527F.c.22.1	37496	2	0	0	0	0	0	0	0
2160	RTA00000425F.k.22.1	78123	1	0	0	0	0	0	0	0
2161	RTA00000424F.m.14.1	77491	1	0	0	0	0	0	0	0
2162	RTA00000522F.k.19.1	32625	1	1	0	0	0	0	0	0
2163	RTA00000523F.i.18.1	64463	1	0	0	0	0	0	0	0
2164	RTA00000425F.j.22.1	73882	1	0	0	0	0	0	0	0
2165	RTA00000527F.g.23.1	37538	2	0	0	0	0	0	0	0
2166	RTA00000426F.m.24.1	63943	1	0	0	0	0	0	0	0
2168	RTA00000425F.d.21.1	78920	1	0	0	0	0	0	0	0
2170	RTA00000424F.d.04.3	76505	1	0	0	0	0	0	0	0
2171	RTA00000424F.d.04.1	76505	1	0	0	0	0	0	0	0
2172	RTA00000427F.c.12.1	66995	1	0	0	0	0	0	0	0
2174	RTA00000527F.l.13.1	36904	2	0	0	0	0	0	0	0
2175	RTA00000522F.h.13.1	40823	1	1	0	0	0	0	0	0
2176	RTA00000424F.l.19.1	75454	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
2179	RTA00000427F.a.06.1	66550	1	0	0	0	0	0	0	0
2180	RTA00000525F.c.19.1	38159	2	0	0	0	0	0	0	0
2181	RTA00000523F.f.06.1	62871	1	0	0	0	0	0	0	0
2182	RTA00000424F.h.10.1	72925	1	0	0	0	0	0	0	0
2183	RTA00000522F.a.12.1	33515	1	1	0	0	0	0	0	0
2184	RTA00000522F.h.01.1	75010	1	0	0	0	0	0	0	0
2186	RTA00000425F.e.21.1	77203	1	0	0	0	0	0	0	0
2187	RTA00000523F.f.07.1	62799	1	0	0	0	0	0	0	0
2189	RTA00000424F.j.12.1	73827	1	0	0	0	0	0	0	0
2191	RTA00000523F.d.12.1	64888	1	0	0	0	0	0	0	0
2192	RTA00000523F.e.10.1	62878	1	0	0	0	0	0	0	0
2193	RTA00000425F.f.11.1	79275	1	0	0	0	0	0	0	0
2194	RTA00000426F.m.18.1	62974	1	0	0	0	0	0	0	0
2197	RTA00000522F.g.15.1	76536	1	0	0	0	0	0	0	0
2198	RTA00000522F.n.12.1	74117	1	0	0	0	0	0	0	0
2200	RTA00000424F.d.10.3	73110	1	0	0	0	0	0	0	0
2204	RTA00000527F.c.04.1	23090	3	0	0	0	0	0	0	0
2206	RTA00000527F.h.21.1	37630	2	0	0	0	0	0	0	0
2207	RTA00000425F.c.07.1	76042	1	0	0	0	0	0	0	0
2209	RTA00000525F.c.15.1	7692	2	0	0	0	0	0	0	0
2210	RTA00000424F.d.22.3	76189	1	0	0	0	0	0	0	0
2211	RTA00000523F.h.12.1	65745	1	0	0	0	0	0	0	0
2212	RTA00000522F.g.22.1	77504	1	0	0	0	0	0	0	0
2215	RTA00000522F.j.12.2	74341	1	0	0	0	0	0	0	0
2216	RTA00000523F.i.08.1	65099	1	0	0	0	0	0	0	0
2218	RTA00000425F.j.20.1	26760	1	0	0	0	0	0	0	0
2220	RTA00000427F.f.24.1	64572	1	0	0	0	0	0	0	0
2221	RTA00000527F.a.13.1	37740	2	0	0	0	0	0	0	0
2225	RTA00000424F.a.09.4	77833	1	0	0	0	0	0	0	0
2227	RTA00000525F.f.07.1	37500	2	0	0	0	0	0	0	0
2228	RTA00000424F.j.07.1	79211	1	0	0	0	0	0	0	0
2229	RTA00000424F.m.10.1	34251	1	1	0	0	0	0	0	0
2231	RTA00000522F.g.06.1	78221	1	0	0	0	0	0	0	0
2232	RTA00000424F.h.03.1	74447	1	0	0	0	0	0	0	0
2233	RTA00000424F.n.06.1	74737	1	0	0	0	0	0	0	0
2234	RTA00000427F.c.22.1	63990	1	0	0	0	0	0	0	0
2235	RTA00000424F.k.12.1	77666	1	0	0	0	0	0	0	0
2236	RTA00000425F.f.02.1	76982	1	0	0	0	0	0	0	0
2237	RTA00000427F.h.11.1	26494	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
2238	RTA00000425F.j.16.1	75631	1	0	0	0	0	0	0	0
2240	RTA00000427F.f.17.1	63803	1	0	0	0	0	0	0	0
2241	RTA00000522F.o.18.1	76366	1	0	0	0	0	0	0	0
2242	RTA00000427F.j.22.1	66367	1	0	0	0	0	0	0	0
2243	RTA00000426F.p.10.1	65845	1	0	0	0	0	0	0	0
2244	RTA00000522F.m.02.1	76834	1	0	0	0	0	0	0	0
2247	RTA00000425F.e.15.1	75921	1	0	0	0	0	0	0	0
2250	RTA00000424F.n.13.1	74942	1	0	0	0	0	0	0	0
2251	RTA00000424F.g.14.1	74879	1	0	0	0	0	0	0	0
2252	RTA00000426F.e.17.1	64089	1	0	0	0	0	0	0	0
2256	RTA00000427F.g.19.1	64611	1	0	0	0	0	0	0	0
2258	RTA00000522F.c.01.1	74938	1	0	0	0	0	0	0	0
2259	RTA00000522F.g.17.1	76486	1	0	0	0	0	0	0	0
2260	RTA00000523F.j.17.1	63610	1	0	0	0	0	0	0	0
2261	RTA00000522F.n.14.1	73410	1	0	0	0	0	0	1	0
2263	RTA00000523F.e.20.1	65164	1	0	0	0	0	0	0	0
2264	RTA00000424F.c.15.3	73533	1	0	0	0	0	0	0	0
2265	RTA00000426F.p.09.1	66665	1	0	0	0	0	0	0	0
2266	RTA00000522F.p.09.1	75204	1	0	0	0	0	0	0	0
2267	RTA00000426F.m.21.1	64915	1	0	0	0	0	0	0	0
2268	RTA00000425F.j.21.1	77373	1	0	0	0	0	0	0	0
2270	RTA00000523F.h.21.1	41440	1	1	0	0	0	0	0	0
2271	RTA00000427F.h.24.1	65193	1	0	0	0	0	0	0	0
2272	RTA00000425F.f.24.1	40841	1	1	0	0	0	0	0	0
2273	RTA00000425F.m.03.1	76045	1	0	0	0	0	0	0	0
2274	RTA00000426F.m.08.1	63781	1	0	0	0	0	0	0	0
2275	RTA00000523F.d.24.1	64799	1	0	0	0	0	0	0	0
2276	RTA00000523F.c.14.1	66015	1	0	0	0	0	0	0	0
2277	RTA00000523F.b.20.1	66492	1	0	0	0	0	0	0	0
2278	RTA00000522F.h.07.1	75149	1	0	0	0	0	0	0	0
2279	RTA00000527F.g.10.1	37820	2	0	0	0	0	0	0	0
2282	RTA00000427F.i.22.1	63199	1	0	0	0	0	0	0	0
2284	RTA00000527F.n.07.1	15939	2	2	0	0	0	0	0	0
2285	RTA00000425F.e.09.1	75550	1	0	0	0	0	0	0	0
2286	RTA00000427F.h.02.1	63652	1	0	0	0	0	0	0	0
2287	RTA00000426F.f.16.1	65613	1	0	0	0	0	0	0	0
2288	RTA00000425F.i.21.1	75305	1	0	0	0	0	0	0	0
2289	RTA00000427F.k.19.1	62851	1	0	0	0	0	0	0	0
2291	RTA00000426F.g.16.1	41446	1	1	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
2292	RTA00000527F.l.05.1	13016	4	0	0	1	1	0	0	0
2293	RTA00000426F.m.02.1	66237	1	0	0	0	0	0	0	0
2296	RTA00000522F.l.22.1	75801	1	0	0	0	0	0	0	0
2297	RTA00000427F.h.19.1	63047	1	0	0	0	0	0	0	0
2299	RTA00000522F.g.21.1	77310	1	0	0	0	0	0	0	0
2301	RTA00000522F.g.20.1	77688	1	0	0	0	0	0	0	0
2304	RTA00000425F.k.20.1	74048	1	0	0	0	0	0	0	0
2306	RTA00000522F.b.07.1	78634	1	0	0	0	0	0	0	0
2307	RTA00000426F.g.19.1	63672	1	0	0	0	0	0	0	0
2308	RTA00000525F.d.19.1	36860	2	0	0	0	0	0	0	0
2310	RTA00000427F.d.10.1	40685	1	1	0	0	0	0	0	0
2313	RTA00000424F.a.05.4	77976	1	0	0	0	0	0	0	0
2315	RTA00000424F.a.05.1	77976	1	0	0	0	0	0	0	0
2316	RTA00000522F.l.15.1	74691	1	0	0	0	0	0	0	0
2317	RTA00000425F.e.02.1	76143	1	0	0	0	0	0	0	0
2318	RTA00000525F.c.11.1	37895	2	0	0	0	0	0	0	0
2320	RTA00000522F.c.14.1	75449	1	0	0	0	0	0	0	0
2321	RTA00000424F.m.08.1	19402	1	2	0	0	0	0	0	0
2322	RTA00000527F.f.18.1	37577	2	0	0	0	0	0	0	0
2324	RTA00000522F.a.06.1	73662	1	0	0	0	0	0	0	0
2327	RTA00000522F.d.23.1	73868	1	0	0	0	0	0	0	0
2330	RTA00000523F.j.10.1	63384	1	0	0	0	0	0	0	0
2331	RTA00000527F.p.08.1	36013	2	0	0	0	0	0	0	0
2333	RTA00000426F.f.17.1	66334	1	0	0	0	0	0	0	0
2334	RTA00000523F.j.21.1	36925	2	0	0	0	0	0	0	0
2339	RTA00000523F.a.01.1	74923	1	0	0	0	0	0	0	0
2341	RTA00000427F.j.06.1	63676	1	0	0	0	0	0	0	0
2342	RTA00000424F.m.04.1	79017	1	0	0	0	0	0	0	0
2343	RTA00000523F.i.17.1	65779	1	0	0	0	0	0	0	0
2346	RTA00000525F.c.18.1	24208	2	1	0	0	0	0	0	0
2347	RTA00000527F.e.09.1	37521	2	0	0	0	0	0	0	0
2348	RTA00000424F.j.08.1	73972	1	0	0	0	0	0	0	0
2350	RTA00000527F.c.09.1	64859	1	0	0	0	0	0	0	0
2353	RTA00000523F.c.03.1	36913	2	0	0	0	0	0	0	0
2354	RTA00000427F.k.21.1	62880	1	0	0	0	0	0	0	0
2356	RTA00000427F.d.09.1	66486	1	0	0	0	0	0	0	0
2357	RTA00000426F.n.17.1	66572	1	0	0	0	0	0	0	0
2360	RTA00000426F.m.03.1	66480	1	0	0	0	0	0	0	0
2361	RTA00000424F.h.06.1	77552	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
2362	RTA00000425F.d.06.1	77660	1	0	0	0	0	0	0	0
2363	RTA00000427F.e.12.1	62813	1	0	0	0	0	0	0	0
2366	RTA00000426F.n.23.1	18176	1	0	0	0	0	0	0	0
2367	RTA00000522F.m.19.1	41544	1	1	0	0	0	0	0	0
2368	RTA00000522F.a.05.1	32611	1	1	0	0	0	0	0	0
2369	RTA00000427F.i.09.1	65916	1	0	0	0	0	0	0	0
2370	RTA00000424F.j.09.1	74387	1	0	0	0	0	0	0	0
2371	RTA00000424F.n.11.1	73874	1	0	0	0	0	0	0	0
2373	RTA00000527F.e.13.1	37588	2	0	0	0	0	0	0	0
2375	RTA00000425F.j.19.1	77925	1	0	0	0	0	0	0	0
2376	RTA00000522F.g.12.1	78783	1	0	0	0	0	0	0	0
2377	RTA00000523F.a.07.1	75804	1	0	0	0	0	0	0	0
2378	RTA00000425F.e.19.1	73409	1	0	0	0	0	0	0	0
2379	RTA00000425F.n.19.1	78324	1	0	0	0	0	0	0	0
2384	RTA00000427F.k.07.1	63742	1	0	0	0	0	0	0	0
2387	RTA00000522F.a.17.1	79032	1	0	0	0	0	0	0	0
2388	RTA00000527F.l.19.1	36856	2	0	0	0	0	0	0	0
2389	RTA00000424F.i.11.1	41569	1	1	0	0	0	0	0	0
2391	RTA00000424F.d.19.3	73180	1	0	0	0	0	0	0	0
2392	RTA00000522F.j.09.2	78522	1	0	0	0	0	0	0	0
2393	RTA00000424F.m.24.1	77045	1	0	0	0	0	0	0	0
2394	RTA00000522F.j.19.2	76224	1	0	0	0	0	0	0	0
2398	RTA00000527F.j.12.2	37503	2	0	0	0	0	0	0	0
2399	RTA00000522F.g.11.1	75432	1	0	0	0	0	0	0	0
2400	RTA00000522F.k.02.2	77622	1	0	0	0	0	0	0	0
2401	RTA00000427F.e.13.1	66080	1	0	0	0	0	0	0	0
2402	RTA00000426F.f.18.1	63271	1	0	0	0	0	0	0	0
2403	RTA00000427F.a.12.1	63377	1	0	0	0	0	0	0	0
2404	RTA00000424F.b.23.4	77322	1	0	0	0	0	0	0	0
2408	RTA00000427F.f.02.1	36822	2	0	0	0	0	0	0	0
2410	RTA00000424F.i.15.1	78043	1	0	0	0	0	0	0	0
2412	RTA00000522F.m.03.1	79194	1	0	0	0	0	0	0	0
2413	RTA00000522F.a.20.1	74070	1	0	0	0	0	0	0	0
2414	RTA00000424F.b.15.4	74958	1	0	0	0	0	0	0	0
2415	RTA00000527F.g.14.1	37532	2	0	0	0	0	0	0	0
2416	RTA00000522F.d.06.1	74809	1	0	0	0	0	0	0	0
2418	RTA00000427F.e.10.1	64599	1	0	0	0	0	0	0	0
2419	RTA00000527F.c.16.1	22908	3	0	0	0	0	0	0	0
2421	RTA00000523F.f.17.1	63984	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
2423	RTA00000527F.p.24.1	36832	2	0	0	0	0	0	0	0
2424	RTA00000425F.n.17.1	78304	1	0	0	0	0	0	0	0
2426	RTA00000425F.e.07.1	75992	1	0	0	0	0	0	0	0
2428	RTA00000523F.h.08.1	62893	1	0	0	0	0	0	0	0
2429	RTA00000522F.o.10.1	78798	1	0	0	0	0	0	0	0
2430	RTA00000425F.l.10.1	26893	1	0	0	0	0	0	0	0
2431	RTA00000427F.f.16.1	64122	1	0	0	0	0	0	0	0
2434	RTA00000425F.i.10.1	78736	1	0	0	0	0	0	0	0
2435	RTA00000426F.m.12.1	63740	1	0	0	0	0	0	0	0
2436	RTA00000527F.g.12.1	37746	2	0	0	0	0	0	0	0
2439	RTA00000425F.i.18.1	42255	1	1	0	0	0	0	0	0
2441	RTA00000424F.j.13.1	74485	1	0	0	0	0	0	0	0
2445	RTA00000424F.k.10.1	73232	1	0	0	0	0	0	0	0
2446	RTA00000522F.i.07.2	78377	1	0	0	0	0	0	0	0
2448	RTA00000522F.b.08.1	26915	1	0	0	0	0	0	0	0
2449	RTA00000522F.l.08.1	78781	1	0	0	0	0	0	0	0
2450	RTA00000525F.a.14.1	37566	2	0	0	0	0	0	0	0
2451	RTA00000424F.g.08.1	74928	1	0	0	0	0	0	0	0
2452	RTA00000425F.l.09.1	75251	1	0	0	0	0	0	0	0
2453	RTA00000522F.o.20.1	74853	1	0	0	0	0	0	0	0
2454	RTA00000527F.j.04.2	11809	3	1	0	0	0	0	0	0
2456	RTA00000523F.c.13.1	40668	1	1	0	0	0	0	0	0
2457	RTA00000427F.i.21.1	65540	1	0	0	0	0	0	0	0
2459	RTA00000522F.h.02.1	74947	1	0	0	0	0	0	0	0
2460	RTA00000522F.g.10.1	74294	1	0	0	0	0	0	0	0
2464	RTA00000425F.k.16.1	75282	1	0	0	0	0	0	0	0
2465	RTA00000525F.b.09.1	23472	2	1	0	0	0	0	0	0
2466	RTA00000522F.j.08.2	76613	1	0	0	0	0	0	0	0
2468	RTA00000523F.f.19.1	34169	1	1	0	0	0	0	0	0
2469	RTA00000425F.j.18.1	75561	1	0	0	0	0	1	0	0
2470	RTA00000426F.m.04.1	36865	2	0	0	0	0	0	0	0
2471	RTA00000527F.g.21.1	36028	2	0	0	0	0	0	0	0
2473	RTA00000525F.a.22.1	36848	2	0	0	0	0	0	0	0
2474	RTA00000522F.p.22.1	73322	1	0	0	0	0	0	0	0
2475	RTA00000424F.d.12.2	74342	1	0	0	0	0	0	0	0
2476	RTA00000424F.g.24.1	79156	1	0	0	0	0	0	0	0
2477	RTA00000427F.a.10.1	65370	1	0	0	0	0	0	0	0
2478	RTA00000426F.h.20.1	23187	3	0	0	0	0	0	0	0
2479	RTA00000424F.d.12.3	74342	1	0	0	0	0	0	0	0

SEQ ID NO:	Sequence Name	cluster	lib 1 clones	lib 2 clones	lib 15 clones	lib 16 clones	lib 17 clones	lib 18 clones	lib 19 clones	lib 20 clones
2480	RTA00000425F.c.03.1	74643	1	0	0	0	0	0	0	0
2481	RTA00000523F.f.16.1	26522	1	0	0	0	0	0	0	0
2482	RTA00000427F.f.15.1	66734	1	0	0	0	0	0	0	0
2485	RTA00000522F.p.18.1	76376	1	0	0	0	0	0	0	0
2493	RTA00000522F.g.18.1	73226	1	0	0	0	0	0	0	0
2495	RTA00000522F.h.05.1	73358	1	0	0	0	0	0	0	0
2497	RTA00000425F.n.16.1	18265	1	0	0	0	0	0	0	0
2498	RTA00000527F.l.21.1	36439	2	0	0	0	0	0	0	0
2501	RTA00000424F.d.17.3	73958	1	0	0	0	0	0	0	0
2502	RTA00000523F.j.02.1	62853	1	0	0	0	0	0	0	0

Table 21. Clones Deposited on January 22, 1999

cDNA Library Ref No.	cDNA ES17	cDNA ES18	cDNA ES19
ATCC Accession No.	ATCC No.	ATCC No.	ATCC No.
Clone Names in Library	M00001368A:D07	M00001594A:D06	M00003906A:F04
	M00003917A:D02	M00001613D:H10	M00003908A:F12
	M00001673A:A04	M00001596D:E10	M00003914A:G09
	M00003868B:G11	M00001592C:G04	M00003915C:H04
	M00003917C:D03	M00001599D:A09	M00003905D:B08
	M00003791C:E09	M00001619B:A09	M00003908C:G09
	M00003870A:C05	M00001593B:E11	M00003914B:A11
	M00003922A:D02	M00001605A:E06	M00003916C:C05
	M00003861C:H02	M00001608A:D03	M00003959A:A03
	M00003931B:A11	M00001616C:A02	M00003905D:C08
	M00001679D:B05	M00001617A:D06	M00003908D:D12
	M00001679C:D05	M00001595C:E01	M00003901B:H04
	M00001687A:G01	M00001616C:A11	M00004031A:E01
	M00003945A:E09	M00001608C:E11	M00004029C:C12
	M00003908A:H09	M00001610C:E06	M00003911A:F10
	M00001649B:G12	M00001612B:D11	M00003914C:F09
	M00003813D:H12	M00001618B:E05	M00003963D:B05
	M00004087C:D03	M00001621C:C10	M00003986C:E09
	M00004269B:C08	M00001647A:H08	M00004031A:F07
	M00004348A:A02	M00001631D:B10	M00003907C:C02
	M00001679C:D01	M00001608D:E09	M00003911B:F08
	M00001490A:E11	M00001641B:C10	M00003914C:H05
	M00001387A:E10	M00001641D:E02	M00003918C:C12
	M00001397B:G03	M00001630D:H10	M00003914C:C02
	M00001441D:E04	M00001585C:D10	M00003914A:E04
	M00001352C:G09	M00001560A:H10	M00003903B:D03
	M00001370D:A12	M00001573B:C06	M00003905A:F09
	M00001387B:A06	M00001660C:D11	M00003867C:E11
	M00001397C:A10	M00001641C:C05	M00003870B:B08
	M00001536D:G02	M00001578B:B05	M00003879D:A08
	M00003895C:A10	M00001587C:C10	M00003891D:B10
	M00001464B:B03	M00001590B:C07	M00003901C:A08
	M00004370A:G05	M00001554A:E04	M00003903C:C04
	M00001490B:H11	M00001570C:G06	M00003905A:F10
	M00001530B:D10	M00001576A:B09	M00003906C:D06
	M00001579C:E09	M00001582A:H01	M00003907D:A12
	M00001587A:H03	M00001582B:E12	M00003905C:G11
	M00001457C:H12	M00001615B:F07	M00003914D:D10
	M00001535C:E01	M00001571C:A04	M00003972A:G09
	M00001561D:C05	M00001573D:D10	M00003975D:C06
	M00001589A:C01	M00001576A:F11	M00003905C:B02
	M00001664D:G07	M00001579C:G05	M00003907D:F11
	M00001565A:H09	M00001582D:A02	M00003914A:G06
	M00001381C:B08	M00001589B:E07	M00003914D:E03
	M00001395C:F11	M00001575B:B02	M00003972C:F08
	M00001429D:F11	M00001578C:G06	M00003976C:D06
	M00001449A:F01	M00001591A:B08	M00003907C:C04
	M00001391C:H02	M00001607A:F11	M00003905B:C06
	M00001429D:H12	M00001579C:E06	M00004088C:A12
	M00001450A:G11	M00001661C:F11	M00004103C:D04
	M00001344B:F12	M00001650B:C10	M00004107A:D01

cDNA Library Ref No. ATCC Accession No.	cDNA ES17 ATCC No.	cDNA ES18 ATCC No.	cDNA ES19 ATCC No.
	M00001391D:C06	M00001654C:E04	M00004110A:E04
	M00003971A:A06	M00001656B:A08	M00004062A:H06
	M00001346A:E04	M00001662C:B02	M00004075D:C10
	M00001455C:G07	M00001656B:D05	M00004081D:H09
	M00001402D:F02	M00001661C:F10	M00004089A:B08
	M00001438D:C06	M00001663A:C11	M00004103D:F10
	M00001349B:G05	M00001669A:C10	M00004107B:B04
	M00001389C:A08	M00001651B:B12	M00004032C:B02
	M00001439B:A10	M00001653B:E06	M00004078C:F04
	M00001455B:A09	M00001659C:F02	M00004038B:H10
	M00001441B:D11	M00001661B:F03	M00004089A:E02
	M00001453A:B01	M00001663C:F10	M00004096B:F05
	M00001456D:E08	M00001669A:G12	M00004104C:H12
	M00001399A:C03	M00001674D:C10	M00004110D:A10
	M00004496C:H03	M00001651B:E06	M00004036D:F02
	M00004135D:G02	M00001651C:C05	M00004088C:E04
	M00004692A:E07	M00001657C:C07	M00004104D:A04
	M00004374D:E10	M00001662A:C12	M00004107D:E12
	M00004405D:C04	M00001663D:C06	M00004115D:D08
	M00004312B:H07	M00001590B:C05	M00003846A:D03
	M00003976C:A10	M00001483C:G06	M00004072C:F08
	M00004043A:D02	M00001653A:G07	M00004039B:G08
	M00004081C:H06	M00001625B:C10	M00003986D:D02
	M00004050D:A06	M00001626C:D12	M00003914A:B07
	M00001361B:C07	M00001634D:D02	M00003914D:B02
	M00004341B:G03	M00001641C:C06	M00003971B:B07
	M00001342B:E01	M00001642D:F02	M00003978C:A03
	M00004064D:A11	M00001647B:E04	M00003983B:C08
	M00004087A:G08	M00001632B:E05	M00004033D:D07
	M00004344B:H04	M00001639A:C11	M00004072D:H12
	M00004497A:H03	M00001642D:G10	M00004077B:H11
	M00001338C:E10	M00001624A:G11	M00004080A:F01
	M00001366D:E12	M00001626C:G08	M00004092C:B03
	M00001390D:E03	M00001672D:D04	M00004037B:C04
	M00001413B:H09	M00001639A:H06	M00004073C:D04
	M00004271B:B06	M00001662C:A04	M00004081A:A08
	M00004151D:E03	M00001641B:B01	M00004085B:B05
	M00001660B:C04	M00001673C:A02	M00004090C:C07
	M00003802D:B11	M00001650A:A12	M00004086D:B09
	M00001579C:E08	M00001659D:D03	M00004088D:B03
	M00001557D:C08	M00001661B:B05	M00004090C:C10
	M00003779B:E12	M00001671D:E10	M00004102C:D09
	M00001638A:D10	M00001652D:A06	M00004105C:E09
	M00003794A:B03	M00001654C:D05	M00004035A:G10
	M00001616C:F07	M00001656A:B07	M00003906A:H07
	M00001679A:F01	M00001647B:C09	M00004083B:G03
	M00001604C:E09	M00001635A:C06	M00001675B:E02
	M00001653B:E09	M00001482D:A04	M00003793C:D09
	M00001585A:F07	M00001485C:B10	M00003762B:H09
	M00003811D:A12	M00001457D:A07	M00001694C:F12
	M00001653C:F12	M00001461A:E05	M00001678D:C11
	M00001679D:F06	M00001477A:G07	M00001677D:B07

cDNA Library Ref No. ATCC Accession No.	cDNA ES17 ATCC No.	cDNA ES18 ATCC No.	cDNA ES19 ATCC No.
	M00003751D:B02	M00001479D:H03	M00001677B:A02
	M00003801A:B10	M00001482C:D02	M00001675B:H03
	M00003844C:A08	M00001484D:G05	M00003808D:D04
	M00001636C:C01	M00001459B:D03	M00003752B:C02
	M00001669C:B01	M00001464B:C11	M00003819D:B11
	M00003755A:A09	M00001511A:A05	M00001677D:B02
	M00003798D:H08	M00001477B:C02	M00001694C:G04
	M00001444C:D05	M00001471A:D04	M00003789C:F06
	M00004040B:F10	M00001485C:H10	M00001678C:C06
	M00001355A:C12	M00001485D:E05	M00001675B:D02
	M00001401A:H07	M00001487C:G03	M00003750C:H05
	M00001393B:B09	M00001514A:B04	M00001694A:B12
	M00001409D:F11	M00001530C:G10	M00001677B:H06
	M00001387B:H07	M00001534A:G06	M00001675C:G01
	M00001394C:C11	M00001539A:C12	M00001675B:C01
	M00001344A:H07	M00001547A:F11	M00003857B:F07
	M00001490C:D07	M00001550D:A04	M00003812B:D07
	M00001352C:F06	M00001460A:F07	M00001694B:B08
	M00001476D:G03	M00001472C:A01	M00001677B:E06
	M00001399C:D09	M00001481B:A07	M00004037A:E04
	M00001347C:G08	M00001456D:F05	M00003870A:H01
	M00001453D:G12	M00001456D:G11	M00003842C:D11
	M00001382A:F04	M00001477D:F10	M00003828B:F09
	M00001392D:H04	M00001481A:G06	M00003856C:H09
	M00001429C:G12	M00001464A:B03	M00003851A:C10
	M00001454A:C11	M00001469A:G11	M00003841C:E04
	M00001517B:G08	M00001478B:D07	M00003837C:G08
	M00001535A:D02	M00001473A:C11	M00003828B:E07
	M00001352A:E12	M00001457A:G03	M00003772C:B12
	M00001381B:F06	M00001669B:G02	M00001677D:F03
	M00004117A:D11	M00001479D:G06	M00001678B:B12
	M00004217C:D03	M00001473D:B11	M00001678D:G03
	M00004270A:F11	M00001475A:A12	M00001675C:F01
	M00003996A:A06	M00001460A:G07	M00003809A:H04
	M00004056B:D09	M00001464A:D03	M00003771D:G05
	M00004142A:B12	M00001473D:G01	M00001678A:F05
	M00001396D:B03	M00001476D:C05	M00001677B:B06
	M00001370D:E12	M00001484A:A10	M00003794A:E12
	M00001390C:C11	M00001457C:F02	M00003771B:E05
	M00003989A:H11	M00001459B:A12	M00001678A:A11
	M00001426A:A09	M00001464A:E07	M00003805B:C04
	M00004498D:D05	M00001467A:B03	M00001680B:E10
	M00001391B:G12	M00001514A:B08	M00001679B:H07
	M00001391D:D10	M00001464A:B07	M00003904D:B12
	M00001376B:A02	M00001579A:C03	M00003856C:B08
	M00001405B:D07	M00001517A:G08	M00003858D:G06
	M00001368A:A03	M00001530B:G09	M00003870B:F04
	M00001392D:B11	M00001538A:F12	M00003871C:B05
	M00003900D:B10	M00001540C:B03	M00003875A:C04
	M00001494B:C01	M00001547A:F06	M00003901B:A09
	M00001352C:A05	M00001550A:F07	M00003901C:D03
	M00001408B:G06	M00001567B:G11	M00003904C:B06

cDNA Library Ref No. ATCC Accession No.	cDNA ES17 ATCC No.	cDNA ES18 ATCC No.	cDNA ES19 ATCC No.
	M00004252C:E03	M00001572A:A10	M00003901C:F09
	M00003901C:A03	M00001575B:G01	M00003904D:B10
	M00004071D:A10	M00001487D:C11	M00003850D:H11
	M00001377B:H01	M00001577B:A03	M00003902B:D06
	M00003939A:A02	M00001539D:E10	M00003879A:C01
	M00004250D:D10	M00001587A:F05	M00003877D:G05
	M00004290A:B03	M00001560A:F03	M00003881D:C12
	M00003911D:B04	M00001569B:G11	M00003903A:H09
	M00004128B:G01	M00001573A:A06	M00003905A:A06
	M00004142A:D08	M00001575D:A10	M00003875D:D09
	M00003977A:E04	M00001583A:D01	M00003879B:A06
	M00004236C:D10	M00001587A:F08	M00003823D:G05
	M00004388B:A08	M00001590B:B02	M00003763A:C01
	M00004409B:A11	M00001553A:E07	M00003903B:C02
	M00003965A:B11	M00001560A:H06	M00003905A:E07
	M00003988A:E10	M00001589C:A11	M00003867A:D12
	M00004138A:H09	M00001538A:C08	M00003857C:C09
	M00003933C:D06	M00001531A:H03	M00003829C:D10
	M00004193C:G11	M00001548A:G01	M00003839D:E02
	M00004039C:C01	M00001531A:H07	M00003841C:F03
	M00003924B:D04	M00001542A:E04	M00003903D:C06
	M00004375C:D01	M00001487A:F10	M00003852D:E08
		M00001503C:G05	M00003845D:A09
		M00001511A:G08	M00003824A:G10
		M00001539A:H12	M00003841C:F06
		M00001542A:F06	M00003848A:C09
		M00001549A:F01	M00003857C:F11
		M00001514A:A12	M00003816C:C01
		M00001516A:D05	M00003843A:E08
		M00001546C:C07	M00003850A:F06
		M00001549A:H11	M00003813B:A11
		M00001538A:D03	M00003855C:F10
		M00001544A:C09	M00003850D:B05
		M00001546B:F12	M00003841D:F06
		M00001550A:D09	M00003858B:G05
		M00001487B:F02	M00003854D:A12
		M00001513A:G07	M00003857C:G01
		M00001530A:F12	M00003816C:E09
		M00001538A:D12	M00003813A:G04
		M00001587A:G06	M00003850D:A05
		M00001551A:D04	
		M00001485B:C03	

Table 22. Clones Deposited on January 22, 1999

cDNA Ref No.; ATCC Accession No. Clone Names in Library	cDNA Ref ES20 ATCC No.	cDNA Ref No. ES27 ATCC No.	cDNA Ref ES28 ATCC No.
	M00004891D:A07	M00001623B:G07	M00001550D:H02
	M00004118B:C11	M00001619D:G05	M00001549C:D02
	M00004105A:B10	M00001616C:C09	M00001549A:A09
	M00004099A:F11	M00001615C:F03	M00001548A:B11
	M00004037C:D07	M00001614D:D09	M00001546C:G10
	M00004033D:C05	M00001608B:A03	M00001544C:C06
	M00003983D:A09	M00001607D:F07	M00003820B:C05
	M00004029B:H08	M00001623D:C10	M00001543A:H12
	M00004927A:A02	M00001599B:E09	M00001540C:B10
	M00003983C:F10	M00001632C:C09	M00001552B:G05
	M00003980B:C06	M00001605C:D12	M00001543C:F01
	M00004033D:B07	M00001625D:C07	M00001552D:G08
	M00004034C:E08	M00001629B:E06	M00001554B:B07
	M00005100B:H07	M00001594A:B12	M00001555A:B01
	M00005136A:D10	M00001632C:A02	M00001557A:F01
	M00005173D:H02	M00001567C:H12	M00001558A:E11
	M00004891D:C11	M00001635C:A03	M00001561C:E11
	M00004101A:F07	M00001636C:H09	M00001571D:B11
	M00003982B:B06	M00001638A:E07	M00001563B:D11
	M00004108C:E01	M00001639A:F10	M00001569C:B06
	M00005136D:B07	M00001656C:G08	M00001539B:H06
	M00004118D:A11	M00001632A:F12	M00001571B:E03
	M00005102C:C01	M00001557A:D02	M00001561D:C11
	M00005177C:A01	M00001529B:C04	M00001487C:D06
	M00004927C:H11	M00001534B:C12	M00001454B:D08
	M00005174D:B02	M00001535D:C01	M00003772D:E10
	M00004027A:D06	M00001536D:A12	M00001573C:D03
	M00005217A:G10	M00001540B:C09	M00001454D:E05
	M00003984A:B06	M00001540D:D02	M00001455D:F09
	M00003851C:D07	M00001541C:B07	M00001457C:C11
	M00003959C:G06	M00001546B:B02	M00001459B:C09
	M00005100B:G11	M00001575B:C09	M00001460A:E01
	M00005213C:G01	M00001554B:C07	M00001460C:H02
	M00003982B:H07	M00001578D:C04	M00001456A:H02
	M00004029C:B03	M00001557C:H07	M00001477B:F04
	M00004033D:G06	M00001558B:D08	M00003845D:B04
	M00004091B:H09	M00001560D:A03	M00001488A:E01
	M00003959D:A04	M00001561C:F06	M00001492D:A11
	M00004030D:B06	M00001564D:C09	M00001496C:G10
	M00004034C:C06	M00003748B:F02	M00001499A:A05
	M00004030C:D12	M00001570D:A03	M00001500A:B02
	M00003982C:H10	M00001660C:B12	M00001500D:E10
	M00003971C:F09	M00001577B:H02	M00001513D:A03
	M00004031B:A06	M00001548A:A08	M00001528A:C11
	M00003966B:D02	M00003868B:D12	M00001528C:H04
	M00004028B:G08	M00001718D:F07	M00001531B:E09
	M00004031C:H10	M00003829C:A11	M00001463A:F06
	M00004076D:B09	M00003832B:E01	M00003755A:B03

cDNA Ref No.; ATCC Accession No.	cDNA Ref ES20 ATCC No.	cDNA Ref No. ES27 ATCC No.	cDNA Ref ES28 ATCC No.
	M00004092D:B11	M00003842B:D09	M00001653B:G07
	M00003981C:F05	M00003845A:H12	M00001654D:G11
	M00004031D:F05	M00003847B:G03	M00001656B:A07
	M00004097B:D03	M00003847C:E09	M00001664B:D06
	M00003986D:G07	M00003853D:G08	M00001664C:H10
	M00004033B:C02	M00003828A:E04	M00001680B:C01
	M00004037B:A04	M00003867C:H09	M00001681A:F03
	M00004092C:B12	M00003822A:F02	M00001684B:G03
	M00005140D:G09	M00003868C:H10	M00001771A:A07
	M00004897D:G05	M00003871A:A05	M00003774C:D02
	M00004960B:D12	M00003879C:G10	M00003754D:D02
	M00005134C:G04	M00003880C:F10	M00001640B:F03
	M00005139A:F01	M00003881D:D06	M00003763B:H01
	M00005176A:C12	M00003884D:G07	M00003812C:A05
	M00005178A:A07	M00003887A:A06	M00003803C:D09
	M00005212A:A02	M00003889A:D10	M00003801B:B10
	M00005229D:H07	M00003889D:B09	M00003798D:E03
	M00004115C:H04	M00003858D:F12	M00003773B:G01
	M00004687A:C03	M00003774B:B08	M00003771A:G10
	M00004900C:E11	M00001680D:D02	M00001452A:E07
	M00004695B:E04	M00001528A:F09	M00004029B:F11
	M00005134D:A06	M00003748A:B07	M00003751B:A05
	M00004103B:B07	M00001655A:F06	M00001609B:A11
	M00005177A:B06	M00003750A:D01	M00001573D:F10
	M00005178A:A08	M00003761D:E02	M00001579C:B11
	M00004104D:B05	M00003763D:E10	M00001579C:H10
	M00004117B:G01	M00003768A:E02	M00001579D:G07
	M00004900D:B10	M00003829B:G03	M00001583B:E10
	M00005134D:H03	M00003772A:D07	M00001586D:E02
	M00005173C:A02	M00001661B:C08	M00001587D:A10
	M00005177A:H09	M00003778A:D08	M00001589A:D12
	M00005178B:H01	M00003799A:D09	M00001590C:H08
	M00005216C:B09	M00003800A:C09	M00001651B:A11
	M00003826B:E11	M00003804A:H04	M00001597A:E12
	M00001596A:G06	M00003806D:G05	M00001649C:B10
	M00005100B:D02	M00003808C:B05	M00001614A:E06
	M00005137A:E01	M00003811A:E03	M00001615C:D02
	M00004119A:A06	M00003815D:H09	M00001621D:D03
	M00004891D:E07	M00003818B:G12	M00001623D:G03
	M00004958B:D01	M00003769B:D03	M00001624A:F09
	M00005102C:F09	M00001390A:A09	M00001624C:A06
	M00005136D:C01	M00001432A:E06	M00001630B:A11
	M00005174D:H02	M00001381A:D02	M00001634B:C10
	M00005177C:B04	M00001383A:G04	M00001639D:B07
	M00005218B:D09	M00001384C:E03	M00001573D:F04
	M00004102C:F03	M00001384C:F12	M00001595B:A09
	M00004114B:D09	M00001384D:H07	M00004156B:A12
	M00004119D:A07	M00001385B:F10	M00004319D:G09
	M00004895C:G05	M00001385C:H11	M00004096A:G02
	M00004235A:A12	M00001386A:C02	M00004101C:G08

cDNA Ref No.; ATCC Accession No.	cDNA Ref ES20 ATCC No.	cDNA Ref No. ES27 ATCC No.	cDNA Ref ES28 ATCC No.
	M00005134B:E01	M00001372C:F07	M00004102A:H02
	M00004115C:G03	M00001389D:G11	M00004108A:A09
	M00005175B:H04	M00001371D:G01	M00004111D:D11
	M00005214B:D11	M00001392C:D10	M00004115D:C08
	M00004102D:B05	M00001392D:H06	M00004118D:E08
	M00004115A:B12	M00001397B:B09	M00004121C:F06
	M00004119D:H06	M00001398A:G03	M00004131B:H09
	M00004897D:F03	M00001400A:F06	M00004141D:A09
	M00004960B:A09	M00001410B:G05	M00004090A:F09
	M00005134C:E11	M00001413A:F02	M00004146A:C08
	M00005138B:D12	M00001415B:E09	M00004078B:A11
	M00005176A:A05	M00001425A:C11	M00004176B:E08
	M00005214C:A09	M00001386A:D11	M00004188C:A09
	M00004102C:D01	M00001354C:B06	M00004233C:H09
	M00004960B:A08	M00001339D:G02	M00004241D:F11
	M00001476D:A09	M00001660A:C12	M00004246C:A09
	M00001572A:B06	M00001528A:A01	M00004247C:C12
	M00005217D:F12	M00001343D:C04	M00004248B:E08
	M00005233A:G08	M00001347B:E01	M00004257C:H06
	M00005236B:F10	M00001348A:D04	M00004260D:C12
	M00005259B:C01	M00001349C:C05	M00004295B:D02
	M00005254D:B08	M00001350A:D06	M00004040D:F01
	M00005259C:B05	M00001352D:C05	M00004142D:E10
	M00001575A:D06	M00001380C:E05	M00003853D:D03
	M00005259D:H08	M00001354B:B10	M00003860D:H07
	M00003813C:D08	M00001380C:F02	M00003878C:E04
	M00001530D:E06	M00001354C:C10	M00003879A:G05
	M00004891B:B12	M00001355B:G11	M00003880B:C08
	M00001596B:C11	M00001356D:F06	M00003881A:D09
	M00004300C:H09	M00001360D:E11	M00003881C:G09
	M00001486D:D12	M00001361C:H11	M00003901B:A05
	M00001585D:F03	M00001362C:A10	M00003904D:D10
	M00001596B:D09	M00001363C:H02	M00003905C:G10
	M00001570D:E06	M00001366D:G02	M00003906B:F12
	M00001582C:E01	M00001369A:H12	M00003909A:H04
	M00001586C:E06	M00001352D:D02	M00004091B:D11
	M00001593B:D10	M00001485D:B10	M00003963A:E03
	M00001595C:H11	M00001457B:E03	M00004353C:H07
	M00001596B:H05	M00001457C:C12	M00003919A:A10
	M00001576A:C11	M00001458C:E01	M00003938A:B04
	M00001596C:F09	M00001462B:A10	M00003939C:F04
	M00001567A:H05	M00001464D:F06	M00003946D:C11
	M00001585D:D11	M00001467D:H05	M00003979A:F03
	M00004688A:A02	M00001468B:H06	M00003985C:F01
	M00004927A:E06	M00001505C:H01	M00003997B:G07
	M00005229D:H09	M00001470A:H01	M00003860D:A01
	M00004117B:A12	M00001457A:B07	M00004035A:A04
	M00004187D:G09	M00001479B:A01	M00004042D:H02
	M00005173B:F01	M00001469D:D02	M00004073B:B01
	M00005218A:G05	M00001487A:A05	M00003946A:H10

cDNA Ref No.; ATCC Accession No.	cDNA Ref ES20 ATCC No.	cDNA Ref No. ES27 ATCC No.	cDNA Ref ES28 ATCC No.
	M00004118A:H08	M00001352C:H02	M00001423D:A09
	M00005134A:D11	M00001488D:C10	M00004314B:G07
	M00005176C:C09	M00001490C:C12	M00001405D:D11
	M00005230D:F06	M00001493B:D09	M00001408A:H04
	M00005234D:B04	M00001504D:D11	M00001408D:D04
	M00005101C:E09	M00001376B:C06	M00001411D:F05
	M00004206A:E02	M00001506B:D09	M00001412A:E04
	M00001570C:A05	M00001511B:C06	M00001413A:F03
	M00005231A:H04	M00001476B:F10	M00001417B:C04
	M00005235A:A03	M00001450D:D04	M00001417D:A04
	M00004118B:B04	M00001433A:G07	M00001418B:F07
	M00005136D:D06	M00001470C:B10	M00001419D:C10
	M00005231C:B01	M00001437D:C04	M00001402B:F12
	M00004153B:B03	M00001447C:C01	M00001423A:G05
	M00004897C:D06	M00001448B:F06	M00001401C:H03
	M00005136D:G06	M00001449D:A06	M00001423D:D12
	M00005212B:A02	M00001433B:H11	M00001424B:H04
	M00005232A:C10	M00001451D:C10	M00001428B:A09
	M00004692A:H10	M00001452A:C07	M00001430A:A02
	M00005101C:B09	M00001453C:A11	M00001432D:F05
	M00004144A:F04	M00001456B:C09	M00001438B:B09
	M00003852B:D11	M00001454B:G03	M00001445B:E04
	M00001660D:E05	M00001454B:G07	M00001445C:A08
	M00003808A:F09	M00001454C:C08	M00001446C:D09
	M00001656A:D10	M00001454C:F02	M00001448A:G09
	M00001671A:H06	M00001454D:D06	M00001449C:H12
	M00003809C:H07	M00001456B:F10	M00001422C:F12
	M00003853C:C06	M00001455D:A09	M00001352C:H10
	M00003860A:A08	M00001455D:A11	M00004375A:H01
	M00003822B:D08	M00001448D:F09	M00004380B:A05
	M00003845A:E12		M00004444B:D11
	M00003854C:C02		M00001338B:E02
	M00003860B:G09		M00001341A:F12
	M00003822B:G01		M00001344A:G07
	M00001670A:C11		M00001345A:G11
	M00003852A:B03		M00001345B:E10
	M00003829D:A11		M00001345C:B01
	M00003854C:F01		M00001346B:B07
	M00003856B:C04		M00001405B:E09
	M00003905A:H11		M00001352B:F04
	M00001530A:F11		M00001451C:E01
	M00003840B:E07		M00001361A:H07
	M00003905B:G03		M00001362B:H06
	M00003840B:E08		M00001372C:G12
	M00003855A:C12		M00001375B:G12
	M00003905B:H05		M00001376A:C05
	M00003826B:B04		M00001376B:A08
	M00003851C:B06		M00001377C:E12
	M00003853B:C08		M00001382B:F12
	M00003829A:F03		M00001385A:F12

cDNA Ref No.; ATCC Accession No.	cDNA Ref ES20 ATCC No.	cDNA Ref No. ES27 ATCC No.	cDNA Ref ES28 ATCC No.
	M00001638C:G01		M00001394A:E04
	M00003845D:B02		M00001395A:C09
	M00001653D:G07		M00001396A:H03
	M00001578B:A02		M00001350B:G11
	M00001590B:H10		
	M00001595C:A09		
	M00001596A:E07		
	M00001607A:B06		
	M00001607A:D10		
	M00001652C:B09		
	M00001671B:F02		
	M00001632C:D08		
	M00001638C:H07		
	M00001652D:B09		
	M00001614C:E11		
	M00001633B:B11		
	M00001651C:A04		
	M00001639D:G12		
	M00001671C:F11		
	M00001638A:B04		
	M00001637C:H12		
	M00001669B:H06		
	M00001639D:F02		
	M00001590A:C08		
	M00001636A:C02		
	M00001614A:A04		
	M00001639D:G06		

Table 23. Library Deposited on January 22, 1999

cDNA Ref No.;	cDNA Library Ref ES29	cDNA Library Ref ES30
ATCC Accession No.	ATCC No.	ATCC No.
Clone Names in Library	M00001449D:B01	M00001594D:B08
	M00001476D:F03	M00001593A:B07
	M00001456C:B12	M00001594A:C01
	M00001469B:B01	M00001594A:D08
	M00001471A:B04	M00001594A:G09
	M00001472A:D08	M00001595C:B05
	M00001473A:A07	M00001594B:F12
	M00001473C:D09	M00001596D:E03
	M00001475B:C04	M00001594D:C03
	M00001475C:G11	M00001592C:F11
	M00001476A:D11	M00001590D:G07
	M00001476B:D10	M00001595D:A04
	M00001468A:C05	M00001595D:G03
	M00001476C:C11	M00001601A:A06
	M00001467A:H07	M00001590C:F10
	M00001477B:E02	M00001589B:B08
	M00001478B:H08	M00001589C:E06
	M00001479C:E01	M00001611B:A05
	M00001480A:D03	M00001601A:E02
	M00001480C:A05	M00001587A:D01
	M00001481A:H08	M00001591B:B12
	M00001481B:D09	M00001590B:G08
	M00001482A:H05	M00001592C:E05
	M00001482D:H11	M00001591B:B06
	M00001483C:G09	M00001591D:C07
	M00001485A:C05	M00001591D:F06
	M00001476B:F08	M00001592A:E02
	M00001460A:E11	M00001592A:H05
	M00001456C:C11	M00001592B:A04
	M00001457A:C05	M00001587A:B10
	M00001457A:G12	M00001609D:G10
	M00001458A:A11	M00005231D:B09
	M00001458C:D10	M00001614B:E08
	M00001458D:A01	M00005217C:C01
	M00001458D:A02	M00001587A:B01
	M00001458D:C11	M00001613D:B03
	M00001458D:D01	M00001613A:F03
	M00001459B:C11	M00001611C:H11
	M00001468A:H10	M00001611C:C12
	M00001460A:C10	M00001611B:E06
	M00001485B:F05	M00001611B:A09
	M00001460A:H11	M00001610D:D05
	M00001461A:F05	M00001610B:C07
	M00001462A:D03	M00001610C:E07
	M00001464A:B02	M00001610A:E09
	M00001464A:E10	M00001601A:E12
	M00001465A:B12	M00001609B:C09
	M00001465A:C12	M00001608D:D11
	M00001465A:E10	M00001608B:A09

cDNA Ref No.; ATCC Accession No.	cDNA Library Ref ES29 ATCC No.	cDNA Library Ref ES30 ATCC No.
	M00001465A:G06	M00001607D:F06
	M00001466A:F08	M00001607B:C05
	M00001467A:C10	M00001606A:H09
	M00001460A:B12	M00001605A:H03
	M00001545A:B12	M00001605A:E09
	M00001535A:D10	M00001605A:A06
	M00001536A:F11	M00001604A:C11
	M00001537A:H05	M00001604A:C07
	M00001539A:E01	M00001604A:B08
	M00001539A:H02	M00001604A:A09
	M00001539B:G07	M00001610A:H05
	M00001539D:B10	M00005214B:A06
	M00001540D:E02	M00005228A:A09
	M00001541B:E05	M00001567A:B09
	M00001542A:G12	M00001561A:D01
	M00001485B:D09	M00001559A:C08
	M00001545A:B10	M00001559A:A11
	M00001533A:G05	M00001558A:G09
	M00001545A:F02	M00001555A:B12
	M00001545A:G05	M00001554A:A08
	M00001546A:D08	M00001552A:H10
	M00001548A:H04	M00001552A:F06
	M00001550A:E07	M00005231C:B07
	M00001551A:A11	M00005218D:G10
	M00001551A:D06	M00001570A:H01
	M00001551A:H06	M00005214D:D10
	M00001551D:H07	M00001570C:G03
	M00001552A:E10	M00005213C:A01
	M00001450A:B08	M00005212D:F08
	M00001544A:F05	M00005212A:D10
	M00001512A:G05	M00005211C:E09
	M00001483B:D04	M00005211A:E09
	M00001485B:H03	M00005210D:C09
	M00001485C:C08	M00005179D:B03
	M00001486B:D07	M00005179B:H02
	M00001486B:E12	M00005177D:F09
	M00001487B:A11	M00005177C:G04
	M00001487B:E10	M00005177B:H02
	M00001507A:A11	M00001614D:B08
	M00001507A:B02	M00001615A:D06
	M00001507A:C05	M00005216B:D02
	M00001507A:E04	M00001579C:A01
	M00001534A:D03	M00001585B:C03
	M00001511A:G01	M00001585B:A06
	M00001533D:A08	M00001584D:H02
	M00001513A:F05	M00001584A:G03
	M00001514A:G03	M00001583D:B08
	M00001516A:D02	M00001583B:F02
	M00001516A:F06	M00001583A:F07
	M00001517A:B11	M00001583A:A05

cDNA Ref No.; ATCC Accession No.	cDNA Library Ref ES29 ATCC No.	cDNA Library Ref ES30 ATCC No.
	M00001529D:C05	M00001582D:F02
	M00001530A:A09	M00001582D:B01
	M00001530A:E10	M00001582A:A03
	M00001532A:C01	M00001579D:H09
	M00001532D:A06	M00001567D:B03
	M00001485B:D10	M00001579C:H06
	M00001511A:A02	M00001585B:F01
	M00004249D:B08	M00001579B:F04
	M00004185D:E04	M00001579A:E03
	M00004188D:G08	M00001578C:F05
	M00004197C:F03	M00001577D:H06
	M00004198B:D02	M00001577B:F10
	M00004204D:C03	M00001576C:G05
	M00004208B:F05	M00001575D:D12
	M00004208D:B10	M00001575D:B10
	M00004210B:B05	M00001575D:A02
	M00001362D:H01	M00001573B:G08
	M00004216D:D03	M00001573A:E01
	M00004167A:H03	M00001572A:B05
	M00004275A:B03	M00001571D:F05
	M00004285C:A08	M00001579D:F04
	M00004316A:G09	M00001636A:F08
	M00004465B:D04	M00001643B:E05
	M00004493B:D09	M00001642C:G02
	M00001347B:H04	M00001642A:F03
	M00001351C:B06	M00001641D:C04
	M00001360A:G10	M00001641C:H07
	M00004216D:C03	M00001641C:F01
	M00004076D:D04	M00001641C:D02
	M00001484C:A04	M00001641B:F12
	M00001456B:G01	M00001634A:B04
	M00003972D:C09	M00001636B:G11
	M00003974C:E04	M00001649C:D05
	M00003979A:E11	M00001636A:C03
	M00003983C:F03	M00001635D:D05
	M00003989B:F11	M00001635D:C12
	M00004031D:B05	M00001635B:H02
	M00004177C:A01	M00001635B:H01
	M00004076B:G03	M00001634D:G11
	M00004167D:A07	M00001634D:D04
	M00004078A:A06	M00001634A:H05
	M00004085A:B02	M00001641A:A11
	M00004107B:A06	M00001638B:E12
	M00004111C:E11	M00001640A:H02
	M00004130D:H01	M00001614C:E06
	M00004157D:B03	M00001636D:F09
	M00004159C:F09	M00001637A:A03
	M00004162C:A07	M00001637A:A06
	M00004135B:G01	M00001637A:E10
	M00004040A:G12	M00001637A:F10

cDNA Ref No.; ATCC Accession No.	cDNA Library Ref ES29 ATCC No.	cDNA Library Ref ES30 ATCC No.
	M00001453B:H12	M00001637C:C06
	M00001448A:E11	M00001644A:H01
	M00001448B:F09	M00001638B:E03
	M00001448B:H05	M00001649A:E11
	M00001448C:E11	M00001638B:F10
	M00001448C:F10	M00001639A:C03
	M00001448D:F12	M00001639A:G07
	M00001449B:B03	M00001639B:H01
	M00001449C:C05	M00001639B:H05
	M00001449D:G10	M00001639C:A09
	M00001448A:B12	M00001639C:C02
	M00001453A:D08	M00001649C:E11
	M00001451B:A04	M00001649C:H10
	M00001454A:F11	M00001637C:E03
	M00001454A:G03	M00001617A:A08
	M00001455A:F04	M00001622A:H12
	M00001455B:E07	M00001621C:H12
	M00001455D:A06	M00001621B:G05
	M00001364B:B06	M00001620D:H02
	M00004117A:G01	M00001620D:G11
	M00001455D:D11	M00001619D:D10
	M00001456B:A06	M00001619C:C07
	M00001451A:C10	M00001619A:E05
	M00001395A:E03	M00001623A:F04
	M00001366D:C06	M00001618A:A03
	M00001365A:H10	M00001618B:D09
	M00001366D:C12	M00001617A:A01
	M00001373D:B03	M00001616D:C11
	M00001453B:F08	M00001615C:G05
	M00001444D:C01	M00001615C:A11
	M00001375B:C06	M00001615B:G07
	M00001392C:D05	M00001633D:H06
	M00001395A:A12	M00001639C:A10
	M00001395A:H02	M00001615B:A09
	M00001397D:G08	M00001615B:G01
	M00001434A:B10	M00001618A:F10
	M00001416A:D09	M00001632C:H07
	M00001433C:F10	M00001633D:D12
	M00001416A:H02	M00001633D:D09
	M00001428D:B10	M00001618A:F08
	M00001428B:D01	M00001633D:G09
	M00001426D:D12	M00001624A:A03
	M00001400C:D02	M00001633C:F09
	M00001427C:D01	M00001633C:H05
		M00001633C:B09
		M00001633A:E06
		M00001633C:H11
		M00001632C:B10
		M00001625D:G10
		M00001631D:G05

cDNA Ref No.;	cDNA Library Ref ES29	cDNA Library Ref ES30
ATCC Accession No.	ATCC No.	ATCC No.
		M00001629C:E07
		M00001629B:B08
		M00001626C:E04
		M00001626C:C11
		M00001632A:B10
		M00001624B:B10
		M00001633C:A05
		M00001625C:G05

Table 24. Clones Deposited on January 22, 1999

cDNA Ref No.; ATCC Accession No. Clone Names in Library	cDNA Ref ES31 ATCC No.	cDNA Ref No. ES32 ATCC No.	cDNA Ref ES33 ATCC No.
	M00003843A:E04	M00003906A:F12	M00005254D:A10
	M00003842C:G03	M00003906B:H06	M00005260B:E11
	M00003842A:A03	M00003906C:C05	M00005260A:F04
	M00003841D:A04	M00003907A:F01	M00005260A:A12
	M00003841B:E06	M00003907B:C03	M00005259B:D12
	M00003841C:H11	M00003907B:D05	M00005257D:H11
	M00003844A:A11	M00003918A:D08	M00005257D:G07
	M00003841C:F01	M00003918A:F09	M00005257D:A06
	M00003841C:H08	M00003918C:H10	M00005257C:G01
	M00003841C:D07	M00003924A:D08	M00005257A:H11
	M00003844D:A07	M00003958B:E11	M00005236B:H10
	M00003845D:G08	M00003958B:H08	M00005236B:G03
	M00003852C:B06	M00003960A:G07	M00005257C:E05
	M00003854B:A07	M00003971B:A10	M00001608C:D02
	M00003854B:D04	M00003972D:H02	M00001608C:G04
	M00003859D:C05	M00003973C:C03	M00001608D:F11
	M00003860B:F11	M00003974B:B11	M00001609C:A12
	M00003867B:G07	M00003974D:F02	M00001609C:G05
	M00003867B:G08	M00003974D:H04	M00001610C:B07
	M00003841B:E03	M00003975C:F07	M00001612D:D12
	M00003822D:B10	M00003977C:A06	M00001612D:F06
	M00003867D:A06	M00003977C:B03	M00001613A:D02
	M00003868B:G06	M00003977D:A03	M00001614A:B10
	M00003867B:D10	M00003977D:A06	M00001614C:G07
	M00003831C:G05	M00003977D:D04	M00001615C:E07
	M00003901C:B01	M00003978D:G04	M00001625C:F10
	M00003868C:C07	M00003980A:F04	M00001626D:A02
	M00003820A:A08	M00003980B:C11	M00001629A:H09
	M00003820B:D07	M00003981C:B04	M00001629D:B10
	M00003820B:D10	M00003982A:B12	M00001629D:D10
	M00003822D:C06	M00003982C:G04	M00001630C:F09
	M00003823B:F07	M00003984D:B08	M00001631A:D03
	M00003824C:D07	M00003985B:G04	M00001631A:F06
	M00003825B:B10	M00003985D:E10	M00001631A:F12
	M00003825B:B11	M00003986B:A08	M00001631B:H04
	M00003828A:D05	M00003986C:D09	M00001633A:F11
	M00003822D:D04	M00003986D:C08	M00001633A:G10
	M00003830C:A03	M00003987B:E12	M00001633B:A12
	M00003840D:H10	M00003987B:F08	M00001633B:E03
	M00003832A:A09	M00003987C:G03	M00001633C:A08
	M00003833B:B03	M00003988D:A08	M00001633C:E12
	M00003833B:C12	M00003989C:D03	M00001635B:B02
	M00003834B:G04	M00003989C:G05	M00001636A:H12
	M00003835A:A09	M00003989D:F12	M00001638A:C08
	M00003835B:H11	M00004029B:F01	M00001638B:C08
	M00003835D:G06	M00004029C:C05	M00001639D:C12
	M00003837C:E05	M00004029C:G10	M00001640A:F05
	M00003837C:F10	M00004030D:F11	M00001642D:G08

cDNA Ref No.; ATCC Accession No.	cDNA Ref ES31 ATCC No.	cDNA Ref No. ES32 ATCC No.	cDNA Ref ES33 ATCC No.
	M00003839A:D07	M00004034A:A01	M00001647D:G07
	M00003839D:E11	M00004034C:G02	M00001649A:E10
	M00003829C:H05	M00004034D:E09	M00001650D:D10
	M00003901B:C03	M00004035B:H09	M00001650D:F11
	M00003878C:F06	M00004036D:B04	M00001651C:D11
	M00003878C:G08	M00004036D:B09	M00001651C:G12
	M00003879A:A02	M00004038A:F02	M00001652B:D06
	M00003879A:B08	M00004038D:G06	M00001652D:G02
	M00003879A:C11	M00004039A:C03	M00001652D:G06
	M00003879A:D02	M00004039A:H11	M00001653A:A05
	M00003879B:G02	M00004039B:A05	M00001653D:H07
	M00003880B:D11	M00004039B:E12	M00001654A:E08
	M00003880C:E11	M00004040C:A01	M00001654B:A01
	M00003880C:H03	M00004051D:E01	M00001654C:D10
	M00003901B:F10	M00004072D:F09	M00001654C:G07
	M00003890B:C08	M00004073A:D10	M00001654C:G09
	M00003877C:A11	M00004075B:G09	M00001655C:C07
	M00003819D:B01	M00004076A:D12	M00001655D:E08
	M00003901B:G11	M00004076D:H07	M00001655D:H11
	M00001692A:G06	M00004078A:C11	M00001656A:H12
	M00003903C:C05	M00004078A:E05	M00001656C:C04
	M00003903C:E12	M00004078A:F07	M00001656D:C04
	M00003903D:C12	M00004078B:C11	M00001657C:C11
	M00003903D:D10	M00004078B:F12	M00001657D:A10
	M00003903D:H11	M00004079D:G08	M00001659D:A09
	M00003904A:C04	M00004081A:E02	M00001661D:D05
	M00003904B:C03	M00004081A:G01	M00001664B:E08
	M00003904C:A08	M00004081C:A10	M00001664B:F06
	M00003881B:F10	M00004083A:E08	M00001669B:C12
	M00003871D:G06	M00004083B:C01	M00001669C:B09
	M00003868D:D09	M00004086D:G08	M00001670A:F09
	M00003868D:D11	M00004087B:A12	M00001678C:F09
	M00003870C:A01	M00004087C:A01	M00001693A:H06
	M00003870C:A10	M00004088C:F01	M00003805D:E06
	M00003870C:E10	M00004088D:A11	M00003806C:A06
	M00003871A:A02	M00004088D:B05	M00003809B:A03
	M00003871A:B09	M00004088D:B10	M00003810A:A02
	M00003871A:C11	M00004090B:B04	M00003810B:B11
	M00003871A:G09	M00004090B:H06	M00003810C:B06
	M00003871C:E04	M00004092B:E05	M00003810D:H09
	M00003871C:F12	M00004093C:C02	M00003811C:C02
	M00003878C:D08	M00004096D:H03	M00003813B:F02
	M00003871D:E11	M00004099D:F01	M00003813C:H08
	M00003877C:G12	M00004100B:C07	M00003813D:B12
	M00003875A:A07	M00004103B:E09	M00003813D:C02
	M00003875A:B01	M00004105C:B05	M00003813D:G06
	M00003875B:F12	M00004105C:C08	M00003814B:C01
	M00003875C:A01	M00004107A:A12	M00003817C:A10
	M00003875C:A09	M00004107B:D07	M00003817C:G06
	M00003875C:G02	M00004108B:B02	M00003817D:D12

cDNA Ref No.; ATCC Accession No.	cDNA Ref ES31 ATCC No.	cDNA Ref No. ES32 ATCC No.	cDNA Ref ES33 ATCC No.
	M00003876B:C05	M00004108D:E07	M00003821A:H09
	M00003876C:D02	M00004108D:G04	M00003822B:G12
	M00003876C:F02	M00004110A:A10	M00003822C:A07
	M00003877B:H10	M00004110B:A07	M00003823C:B01
	M00003868D:B09	M00004118B:A03	M00003823C:C04
	M00003871D:A10	M00004118B:F01	M00003824A:G11
	M00001669D:D06	M00004118D:B05	M00003824B:C09
	M00001661A:B11	M00004119A:C09	M00003824C:A10
	M00001661B:F06	M00004136D:B02	M00003824D:D08
	M00001662A:C07	M00004137A:D06	M00003825B:F10
	M00001662A:G01	M00004139C:A12	M00003825D:F01
	M00001662B:F06	M00004149C:B02	M00003826C:F05
	M00001663C:F12	M00004159C:G12	M00003829A:B08
	M00001664A:F08	M00004169D:B11	M00003829C:E08
	M00001664D:F04	M00004187D:H06	M00003829D:D12
	M00001661A:E06	M00004228C:H03	M00003829D:F03
	M00001669A:B02	M00004244C:G07	M00003830D:B11
	M00001669B:B12	M00004358D:C02	M00003830D:H11
	M00001669C:C08	M00004690A:G08	M00003833D:H08
	M00001675A:G10	M00004891B:D01	M00003833D:H10
	M00001669D:C03	M00004891C:D04	M00003840A:C10
	M00001660B:E03	M00004895B:E12	M00003840B:F05
	M00001669D:F05	M00004895B:G04	M00003840C:C02
	M00001670B:G12	M00004895D:G07	M00003845C:D04
	M00001671A:A10	M00004898C:F03	M00003845D:A04
	M00001671B:G05	M00004899D:G06	M00003846B:C05
	M00001671C:C11	M00004959D:H12	M00003846C:F08
	M00001672D:E08	M00004960A:B08	M00003848B:E07
	M00001673A:G08	M00004960C:E10	M00003848D:G02
	M00001673B:B07	M00005100A:B02	M00003850C:G09
	M00001673B:F07	M00005100A:C01	M00003851A:A06
	M00001673D:D06	M00005101C:E12	M00003851B:D03
	M00001673D:F10	M00005102C:D03	M00003851B:E01
	M00001674A:G07	M00005134B:E08	M00003851C:F09
	M00001692D:B01	M00005139A:H03	M00003851D:H11
	M00001669C:D09	M00005140C:B10	M00003852B:G04
	M00001655C:E01	M00005140D:C06	M00003852C:F07
	M00001649D:A08	M00005178D:H04	M00003853B:C10
	M00001650A:C11	M00005210A:E06	M00003854C:C09
	M00001651A:H11	M00005212B:E01	M00003855A:A01
	M00001652A:A01	M00005212C:C03	M00003855A:F01
	M00001652B:G10	M00005212C:D02	M00003855B:B09
	M00001652D:E05	M00005212C:H02	M00003856A:G04
	M00001652D:E09	M00005212D:D09	M00003856B:A12
	M00001653B:C06	M00005212D:H01	M00003857A:E12
	M00001653B:G10	M00005216A:D09	M00003857A:H10
	M00001653C:D10	M00005216A:H01	M00003857C:E05
	M00001654D:A03	M00005217B:A06	M00003858B:G02
	M00001654D:E12	M00005218A:F09	M00003860D:E06
	M00001654D:F11	M00005228A:B03	M00003905C:F12

cDNA Ref No.; ATCC Accession No.	cDNA Ref ES31 ATCC No.	cDNA Ref No. ES32 ATCC No.	cDNA Ref ES33 ATCC No.
	M00001660C:B06	M00005228C:C05	M00003911A:D12
	M00001658D:G12	M00005229B:G12	M00003966B:A04
	M00001675C:A04	M00005229B:H04	M00003966C:A12
	M00001660B:D03	M00005229B:H06	M00003966C:F03
	M00001660B:A09	M00005229D:H03	M00003973D:F08
	M00001659D:C09	M00005230B:H09	M00003974D:E01
	M00001659D:B05	M00005232A:H12	M00003974D:H07
	M00001654D:F12	M00005233B:D04	M00003976B:E06
	M00001659A:D12	M00005233D:H07	M00003976B:H07
	M00001655A:B11	M00005235B:F10	M00003978A:E01
	M00001658B:A07	M00005236A:E04	M00003978A:E09
	M00001658A:G09	M00005236A:G10	M00003978C:A12
	M00001657D:A04	M00005236B:A12	M00003980C:E12
	M00001657B:B04	M00001448B:A07	M00003980C:F12
	M00001656B:E01	M00001448B:G07	M00003981A:A07
	M00001660B:E04	M00001448D:E11	M00003981B:B12
	M00001659C:F10	M00001455A:D10	M00003982A:G03
	M00003808C:A05	M00001455A:E11	M00003982B:C10
	M00001694D:C12	M00001476D:F12	M00003982B:H10
	M00003746C:E02	M00001478A:F12	M00003983A:D02
	M00003779D:E08	M00001482C:F09	M00003983A:F06
	M00003792A:B10	M00001485C:D07	M00003983A:G02
	M00003793D:A11	M00001485C:G06	M00003983D:E08
	M00003794D:G03	M00001485D:A05	M00003983D:H02
	M00003797A:C11	M00001487C:A11	M00003985A:C01
	M00003797A:D06	M00001487C:G09	M00003986C:G11
	M00003797A:G03	M00001530A:B02	M00003986D:H12
	M00003800B:F03	M00001530A:H05	M00004027A:A08
	M00003805A:F02	M00001530D:A11	M00004028A:B10
	M00003806B:C09	M00001539B:B10	M00004028A:G03
	M00001674A:G11	M00001567A:C04	M00004029B:A01
	M00003806D:D11	M00001567A:C11	M00004029B:A06
	M00001693D:E08	M00001567C:B08	M00004029B:G10
	M00003808D:D08	M00001567C:E07	M00004029C:F02
	M00003809A:C01	M00001570C:B02	M00004029C:F05
	M00003809A:F01	M00001570D:E05	M00004030B:A12
	M00003809B:B02	M00001570D:E07	M00004030B:D08
	M00003809B:E10	M00001573B:A06	M00004030C:A08
	M00003813A:B02	M00001573B:H12	M00004030C:C02
	M00003813A:D08	M00001575A:D05	M00004034C:F05
	M00003813B:E09	M00001575B:C01	M00004035B:F05
	M00003814B:C12	M00001576C:H02	M00004036A:A11
	M00003814B:F12	M00001577A:A03	M00004037C:D04
	M00003815C:C06	M00001578B:A06	M00004038A:E05
	M00003815C:D12	M00001579D:F02	M00004038B:D01
	M00003817B:C04	M00001582C:C04	M00004039C:E02
	M00003806B:G05	M00001582C:G02	M00004039D:B10
	M00001679A:D10	M00001584A:A07	M00004040A:A07
	M00001675C:C03	M00001584D:B06	M00004040A:B04
	M00001675C:D12	M00001584D:C11	M00004040A:C08

cDNA Ref No.;	cDNA Ref ES31	cDNA Ref No. ES32	cDNA Ref ES33
ATCC Accession No.	ATCC No.	ATCC No.	ATCC No.
	M00001675D:E10	M00001585D:B12	M00004040B:C05
	M00001676B:B09	M00001586C:H07	M00004040B:F07
	M00001676B:E01	M00001589D:A01	M00004069A:E12
	M00001676C:A04	M00001590D:B04	M00004069C:C08
	M00001676C:E07	M00001592B:B02	M00004077A:G12
	M00001676D:A02	M00001592D:H02	M00004085B:G01
	M00001676D:B02	M00001594C:E05	M00004087A:B05
	M00001677A:G11	M00001594C:H03	M00004090D:F12
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	M00001693C:C12	M00001595C:A01	
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	M00001681D:C12	M00001595C:E09	
	M00001694A:E03	M00001595D:C11	
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We Claim:

1. A library of polynucleotides, the library comprising the sequence information of at least one of SEQ ID NOS:1-3544, 3546-4510, 4512-4725, 4727-4748, and 4750-5252.
- 5 2. The library of claim 1, wherein the library is provided on a nucleic acid array.
3. The library of claim 1, wherein the library is provided in a computer-readable format.
- 10 4. The library of claim 1, wherein the library comprises a differentially expressed polynucleotide comprising a sequence selected from the group consisting of SEQ ID NOS:65, 174, 203, 252, 253, 387, 419, 420, 491, 552, 560, 581, 590, 648, 693, 726, 746, 990, 1095, 1124, 1205, 1354, 1387, 1780, 1899, 1915, 1979, 2007, 2024, 2245, and 2325.
- 15 5. The library of claim 1, wherein the library comprises a polynucleotide differentially expressed in a human breast cancer cell, where the polynucleotide comprises a sequence selected from the group consisting of SEQ ID NOS:15, 36, 44, 45, 89, 146, 154, 159, 165, 174, 172, 183, 203, 261, 364, 366, 387, 419, 420, 496, 503, 510, 512, 529, 552, 560, 564, 570, 590, 606, 644, 646, 693, 707, 711, 726, 746, 754, 756, 875, 902, 921, 942, 20 990, 1095, 1104, 1122, 1131, 1142, 1170, 1184, 1205, 1286, 1289, 1354, 1387, 1435, 1535, 1751, 1764, 1777, 1795, 1860, 1869, 1882, 1890, 1915, 1933, 1934, 1979, 1980, 2007, 2023, 2040, 2059, 2223, 2245, 2300, 2325, 2409, 2462, 2486, 2488, and 2492.
- 25 6. The library of claim 1, wherein the library comprises a polynucleotide differentially expressed in a human colon cancer cell, where the polynucleotide comprises a sequence selected from the group consisting of SEQ ID NOS:33, 65, 228, 250, 252, 253, 280, 282, 355, 370, 387, 443, 460, 491, 545, 560, 581, 603, 680, 693, 703, 704, 716, 726, 746, 752, 753, 1095, 1104, 1205, 1241, 1264, 1354, 1387, 1401, 1442, 1514, 1734, 1742, 1780, 1851, 1899, 1915, 1954, 2024, 2066, 2262, and 2325.

7. The library of claim 1, wherein the library comprises a polynucleotide differentially expressed in a human lung cancer cell, where the polynucleotide comprises a sequence selected from the group consisting of SEQ ID NOS: 10, 54, 65, 171, 174, 203, 252, 253, 254, 285, 419, 420, 466, , 491, 525, 526, 552, 571, 574, 590, 693, 700, 726, 742, 5 746, 861, 990, 922, 1088, 1288, 1355, 1417, 1422, 1444, 1454, 1570, 1597, 1979, 2007, 2024, 2034, 2038, 2126, and 2245.

8. The library of claim 1, wherein the library comprises a polynucleotide differentially expressed in a human cancer cell, where the polynucleotide comprises a 10 sequence selected from the group consisting of SEQ ID NOS:648 and 1899.

9. An isolated polynucleotide comprising a nucleotide sequence having at least 90% sequence identity to an identifying sequence of SEQ ID NOS:1-3544, 3546-4510, 4512-4725, 4727-4748, and 4750-5252, or a degenerate variant or fragment thereof. 15

10. The polynucleotide of claim 9, wherein the polynucleotide comprises a sequence of one of SEQ ID NOS:2503, 2504, 2550, 2555, 2578, 2656, 2667, 2712, 2723, 2728, 2738, 2734, 2754, 2758, 2760, 2832, 2835, 2842, 2843, 2849, 2893, 2933, 2956, 2971, 2981, 3009, 3018, 3019, 3046, 3084, 3190, 3129, 3173, 3226, 3227, 3274, 3290, 20 3356, 3365, 3377, 3381, 3390, 3391, 3404, 3407, 3408, 3409, 3418, 3419, 3451, 3597, 3600, 3618, 3632, 3635, 3646, 3648, 3657, 3665, 3669, 3670, 3671, 3656, 3680, 3686, 3695, 3696, 3700, 3710, 3736, 3762, 3763, 3774, 3775, 3791, 3804, 3806, 3836, 3895, 3905, 3919, 3920, 3927, 3936, 3951, 3974, 3998, 4036, 4038, 4044, 4056, 4072, 4117, 4119, 4152, 4153, 4154, 4172, 4175, 4159, 4175, 4205, 4216, 4223, 4228, 4238, 4241, 25 4243, 4251, 4253, 4261, 4263, 4278, 4288, 4322, 4330, 4343, 4359, 4363, 4364, 4365, 4373, 4375, 4384, 4385, 4406, 4409, 4431, 4434, 4441, 4442, 4444, 4455, 4469, 4473, 4477, 4482, 4489, 4495, 4496, 4498, 4525, 4535, 4536, 4540, 4560, 4616, 4562, 4586, 4605, 4629, 4653, 4654, 4658, 4659, 4660, 4661, 4664, 4665, 4668, 4684, 4682, 4688, 4689, 4710, 4718, 4733, 4724, 4733, 4746, 4755, 4760, 4710, 4777, 4785, 4792, 4794, 30 4801, 4807, 4821, 4822, 4847, 4850, 4854, 4856, 4866, 4885, 4900, 4901, 4905, 4914, 4925, 4929, 4931, 4943, 4944, 4959, 5111, 5020, 5041, 5046, 5059, 5083, 5090, 5094, 5102, 5125, 5174, 5197, 5208, 5217, 5237, 5239, 5241, 5243, 5248, and 5252.

11. A recombinant host cell containing the polynucleotide of claim 9.
12. An isolated polypeptide encoded by the polynucleotide of claim 9.
- 5 13. An antibody that specifically binds a polypeptide of claim 12.
14. A vector comprising the polynucleotide of claim 9.
15. A polynucleotide comprising the nucleotide sequence of an insert contained in
10 a clone deposited as ATCC accession number xx, xx, xx, xx, xx, xx, xx, xx, or xx.
16. A method of detecting differentially expressed genes correlated with a cancerous state of a mammalian cell, the method comprising the step of:
detecting at least one differentially expressed gene product in a test sample derived
15 from a cell suspected of being cancerous, where the gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS:10, 15, 33, 36, 44, 45, 54, 65, 89, 146, 154, 159, 165, 171, 172, 174, 183, 203, 228, 250, 252, 253, 254, 261, 280, 282, 285, 355, 364, 366, 370, 387, 419, 420, 443, 460, 466, 491, 496, 503, 510, 512, 525, 526, 529, 545, 552, 560, 564, 570, 571, 574, 581, 590, 603, 606, 644, 646, 648, 680, 693, 700,
20 703, 704, 707, 711, 716, 726, 742, 746, 752, 753, 754, 756, 861, 875, 902, 921, 922, 942, 990, 1088, 1095, 1104, 1122, 1131, 1142, 1170, 1184, 1205, 1286, 1288, 1289, 1354, 1355, 1387, 1417, 1435, 1444, 1454, 1535, 1570, 1597, 1734, 1742, 1751, 1764, 1777, 1780, 1795, 1860, 1869, 1882, 1890, 1899, 1915, 1933, 1934, 1954, 1979, 1980, 2007, 2023, 2024, 2034, 2040, 2059, 2126, 2223, 2245, 2262, 2300, 2325, 2409, 2486, 2462,
25 2488, 2492, 1241, 1264, 1401, 1422, 1442, 1514, 1851, 1915, 2007, 2024, 2038, 2066, and 2245;
wherein detection of the differentially expressed gene product is correlated with a cancerous state of the cell from which the test sample was derived.
- 30 17. The method of claim 16, wherein said detecting step is by hybridization of the test sample to a reference array, wherein the reference array comprises an identifying sequence of at least one of SEQ ID NOS: 65, 174, 203, 252, 253, 387, 419, 420, 491, 552,

560, 581, 590, 648, 693, 726, 746, 990, 1095, 1124, 1205, 1354, 1387, 1780, 1899, 1915, 1979, 2007, 2024, 2325, and 2245.

18. The method of claim 16, wherein the cell is a breast tissue derived cell, and the
5 differentially expressed gene product is encoded by a gene corresponding to a sequence of
at least one of SEQ ID NOS:36, 44, 45, 89, 146, 154, 159, 165, 172, 174, 183, 203, 261,
364, 366, 387, 419, 420, 496, 503, 510, 512, 529, 552, 560, 564, 570, 590, 606, 644, 646,
693, 707, 711, 726, 746, 754, 756, 875, 902, 921, 942, 990, 1095, 1104, 1122, 1131, 1142,
1170, 1184, 1205, 1286, 1289, 1354, 1387, 1435, 1535, 1751, 1764, 1777, 1795, 1860,
10 1869, 1882, 1890, 1915, 1933, 1934, 1979, 1980, 2007, 2023, 2040, 2059, 2223, 2245,
2300, 2325, 2409, 2462, 2486, 2488, and 2492.

19. The method of claim 16, wherein the cell is a colon tissue derived cell, and the
differentially expressed gene product is encoded by a gene corresponding to a sequence of
15 at least one of SEQ ID NOS:33, 65, 228, 250, 252, 253, 280, 282, 355, 370, 387, 443, 460,
491, 545, 560, 581, 603, 680, 693, 703, 704, 716, 726, 746, 752, 753, 1095, 1104, 1205,
1241, 1264, 1354, 1387, 1401, 1442, 1514, 1734, 1742, 1780, 1851, 1899, 1915, 1954,
2024, 2066, 2262, and 2325.

20. The method of claim 16, wherein the cell is a lung tissue derived cell, and the
differentially expressed gene product is encoded by a gene corresponding to a sequence of
at least one of SEQ ID NOS: 10, 54, 65, 171, 174, 203, 252, 253, 254, 285, 419, 420, 466,
491, 525, 526, 552, 571, 574, 590, 693, 700, 726, 742, 746, 861, 922, 990, 1088, 1288,
1355, 1417, 1422, 1444, 1454, 1570, 1597, 1979, 2007, 2024, 2034, 2038, 2126, and 2245.

25

21. The method of claim 16, wherein the differentially expressed gene product is
encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS:648 and
1899.

SEQUENCE LISTING

<110> Williams, Lewis T.
Escobedo, Jaime
Innis, Michael A.
Garcia, Pablo Dominiguez
Sudduth-Klinger, Julie
Reinhard, Christoph
Giese, Klaus
Randazzo, Filippo
Kennedy, Giulia C.
Pot, David
Kassan, Altaf
Lamson, George
Drmanac, Radoje
Crkvenjakov, Radomir
Dickson, Mark
Drmanac, Snezana
Labat, Ivan
Leshkowitz, Dena
Kita, David
Garcia, Veronica
Jones, William Lee
Stache-Crain, Birjit

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Products II

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aaaaaaaaaa aaaaaaaann nnnnnnnnntn aaanntntng ggggnctnnt nncnnaaanc	240
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catagagatt	gccggtctct	cctattcagg	tgactttcgg	atggtggnnn	nnnnnnatga	180
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tttcttgacg	aatcagctac	acttaattat	gttgctgata	gacaagcatc	cacgcttcag	180
ctggcactaa	gtgttttcat	tgtaggatca	gcagcagggt	aaagactgaa	cggttagtga	240
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cctacacatc ccgcatggag atgacttaga agcaggggat atgcccttgg acctgggtgtc      180
aaagctctcg tttaaacagc ctcgtgcagt gtgtcgctac cacagagctc ctgtttaaac      240
agcctcgcac ggcgtgtcgc tgccacacct gacactattg tattagttaa cgttgctgag      300

```

```

<210> 20
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 20
tggagggtgct gacgccaggt aggtcagcag tagaccagc cccaaccac aagtttcgct      60
ctccagactg cgcaagcgca aaggatacga aaacgcccc ggcgttctgg gggctgggac      120
cgaggaaagc gctgagtata gctcttgccg gtccagtcac aaatgacgtc cttctgtac      180

```

```

cccgcctgt aggcgggagc atccaatcaa cttegagagc gtaggccccca cctatcgtgg      240
gtcagattgc ttggcggtcg tggttccgga ggttcctcgg gatgtcgggtg gccttcgtac      300

```

```

<210> 21
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 21
gtccttttga accaccccaa agaactcaac atggcaaagc aaatggtaaa agcttcccga      60
ctgttctact ttgggtccgc gcgaagccca ctcacgtgtg atctgtgttg cccctgggag      120
gcccggggag accggaaaag ggctctctca agttctgaaa agagaatctg ccaccagatc      180
gaatttcgac ccctgagctt gttcggacgt atggtccaaa ttcagattaa ggtggtcacc      240
caacccgaga tgtcaggaaa ggccttctgc agagaaaatg tccccccacc cgccatctgc      300

```

```

<210> 22
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 22
ctgcacctca agaacgctag accactcgcc accagccttc tcattccctc ttcctccatt      60
ctaatacttt ctagctggct ggcctcctca gagcatagga aacctgaggt caggaattcg      120
agaccagcct ggccaacatg gtaaaacccc atctctacta aaaatataaa aattagccag      180
gcatgggtgc gcacacctgt aatcccagct aatcaagagg ctgaggcagg agaattgctt      240
aatctggga ggcggaagtt gcagtgcgc aagatcgcg cactgaactc cagcctaggc      300

```

```

<210> 23
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 23
aagttcaagc aatgattaat ctagcttccc tcctgggtga tgactgaggc ctttgctga      60
ggacaacttt aaagagatat tgaatgaagc tatgatacct gtgacagtta ctgccatttt      120
ggaccataaa actgacaatc cttaaactt accaggaggg cagagcgga agaacttga      180
tgtcatcact gagttgctgg attaccttac tctagaaata gccactctg catgtttggt      240
tattttttta aaaagtcttc tttattattt acatcatttt gaatgggctc taactctagc      300

```

```

<210> 24
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (300)
<223> n = A,T,C or G

```

```

<400> 24
agtcaatcca aatgatttca gagacctgac ttgtgtgttt gaccactctc agcttttttg      60
tatcagactc ccttcactgg ctcccaaaaa ctccagggcc atgtttctgg aacagtggaa      120
agcagggaaa tagaatggg gcctcaggaa ttagaaataa ggctttggca ttcaaagtgc      180
gcacctagca tgctgtgact agcgataagt gtgcaaggag tggtgaagca gtaggaagac      240
ttgtggtgag gcggggcagg ggaatnnnnn nnnnnnnnnn ncagagacca nnggccttcc      300

```

<210> 25
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(281)
 <223> n = A,T,C or G

<400> 25
 tgttcctgtg ccagaaagaa agttaaaata cttgcttaag aaagggaggg ggggtggagg 60
 ggtgtaggga gagggaaggg agggnnnnnn nnnnnnggcn tacnttttcc tacatttcan 120
 tntccctttt ncctatctaa gcngtctat ctngtcaatn cacttntcnn tnnnttaacn 180
 ccnttcnnn ncanctttcc cttnttctn cctntatact nttgctntga nntgctgncc 240
 anantgtgtt cccttctcc atcctnnca accccttact t 281

<210> 26
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 26
 cgaggcagtt agctagtgtg ctgtgaaata aaataactaat gattgaactt tctaggaagt 60
 acctattctg ctaatagtgt aaatatacac ttatccaggg tcagaaatac tcaagtttac 120
 ccacttaaaa gatctagaaa atacatgaac ttgggcttac ttgccagtta aaattgttta 180
 tctcagaatt gtaccatcac cttaattaaa gtagatatgc taggattatc ctgataacta 240
 attaacatag cctttccct tagtggtctt cacctgaatg tagtagtgga ctcttcaagt 300

<210> 27
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 27
 gtgctgcaga caacacacct tcctgatgga ggtgtccggc tgatggagaa gtctgtgggc 60
 ttgtaaatca tctttgatgt taaccaggcc gacgctgtgg ccacattccg aaagattaac 120
 cctgtcaaac cctannnnnn nnnnnnnnnn nnnngatttg atnagcctgt nccanacctc 180
 tgcagcctcn ancggtngt nttaccatagt ggggatgacc ctctgatact ttgnccctggt 240
 ngancatgnt gacanngct tctacagctt nngggac 277

<210> 28
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 28

tggtatcanc	nagccgtgca	gtccgctntt	caactgttnna	nggcctccna	gtgnntcana	60
gcattggacc	catctntanc	aaaagtngag	gccaaaaagn	tnagtgactt	gacaagtgnc	120
agagtaaccg	tgtagacaga	gcagtgtana	cagaaatcaa	ncntcagtc	cangngtana	180
cctgatcntg	gngatcactg	ccctgagtgg	cttgccagca	cagccagngc	catcagtaat	240
ttgnangacn	tancacnnnc	nnnnttaagt	taaaaaaccc	ccattnnnna	agg	293

<210> 29

<211> 300

<212> DNA

<213> Homo sapiens

<400> 29

ggctaacttg	ccttggttta	ctattgatgt	ttgtgtcctg	tgtccttaac	actttaagca	60
gcgtgttctc	acctaaaggc	taatagtgtt	aagtaagttt	ctttttcttt	ttttaattta	120
aaaattaaaa	aattttta	taactttttt	taaattaaaa	aaaattatta	attattttta	180
atagacagga	tcttgctatg	ctgtccaggc	tggtcctgaa	ctcctgggct	caagtgatcc	240
tctgccttg	gcctcccaaa	gtgctggtat	tacagggtgtg	agtcactgca	cctggccaag	300

<210> 30

<211> 281

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (281)

<223> n = A,T,C or G

<400> 30

ttaaaggatt	taaggannna	nanntncttn	tggtttgccc	nttcnncnn	tnctggggga	60
aangannnc	nannaggtna	ttctnnttcc	ctnangccna	nangnaacn	tggnttgnc	120
ttaaacnttt	gnnttanatn	gggtanntgn	ntttttnaaa	antnggtgcc	ntnaangann	180
ntttgagctt	tgcagtagat	tatgctgcat	cctcgtggca	aaattctgta	ttcttagtga	240
ttgttataaa	cccctttatt	gctgtctgag	aaaggaaaga	t		281

<210> 31

<211> 300

<212> DNA

<213> Homo sapiens

<400> 31

gtcaagggct	gcatgaagtg	cgagggccga	agagtctgtg	tggactcagt	gggacatggg	60
cgtggaagag	cagggaggtc	tgaatgggaa	gtaaagacac	agatgcgggt	atgcacacag	120
ttctttgaag	atgctcggcc	gaggagacaa	gagtaatcag	gtcaggggca	aaaaggggta	180
ctcgctgag	gaagtaaaca	ttggatgtcc	acagctcaga	gttagttcaa	ggtcacattc	240
aaattagata	ccccgatttc	ccccggcctg	ctgtctaaat	gccaaatcaa	gtcatggctt	300

<210> 32

<211> 300

<212> DNA

<213> Homo sapiens

<400> 32

gagcagaaac	gcaagatatt	tccctttgct	ggctaaacag	aagcctgggc	accagaatg	60
tgatatcctg	accaatgttt	ttgcaattct	ctcagcgaag	aatctttctg	atgccacagc	120

cagtattgta atggacatag ttgatgacct tcttaacctt ccagatttcg agcctacaga	180
aacagttttg aacttgctgg taactggatg tgtataacct ggcatagcag aaaacatcgg	240
tgagtctatc acaataggag gaagattaat tctacctcat gtacctgcaa ttcttcagta	300

<210> 33
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (286)
 <223> n = A,T,C or G

<400> 33	
gtccagggcc cangttttta tttnttttta aaaagcttta ggtcttgccg ggacgggtggt	60
tcacncnnnn nnnnnnnnnn nnnnnnnagg cctaggcggg tggatcacaa ggtcagcagt	120
tcaagaccag cctgaccagc atggtgagac cctgtctcta ctggaaatac aaaaaaattg	180
gctgggcgag gtggcaggca cctgtggtcc cagctacctg ggaggctgag gcgggagagt	240
ctcttgaaac tggaaggcag aggttgccgt gagccgagat tgcgcc	286

<210> 34
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 34	
gtagggtgaa agcctgggtca gctattctgc aagacagtca aaaattgttt acagggtctgg	60
acagcatatt gctattgaaa aatagctatt aggagacctt gcacaatttg tgaaacattg	120
ttaggtcat tgtactgtgt aaaatcagga aagaatttgg gaacatactg atacaacaaa	180
aagatagggt gtcaaaccct cacttcacca gaaagctaaa ttaaccagat aagtctttct	240
gaannnnnnn nnnnnnnnnn ttgntcctgc gctgtacnna naccttanen tgggtaactc	300

<210> 35
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 35	
attgaggaag atctaggtaa aacctttaag ttaaccttct aagtctcaga cacgtaaacc	60
caagtgtggc aaaggaactc attgctctcg aaatgcatac atgttgggtt atagactgca	120
aactcaagaa agcccaaca ctactgttca agttccagcc tttcttcaag agctgggtata	180
tcgggataat tccaaatttg aggagtgggt tattgaaatg gctgagatgc nnnnnnnnnn	240
nnnnnnnaaa ggaaaagctn ancacgaaga ggntaaggag ctgtaccaa gggttacctgc	300

<210> 36

<211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(294)
 <223> n = A,T,C or G

<400> 36
 gcttggtcac ccccgaggag agcaggaagc tgcggttctg gaacctggag tttgagagcc 60
 agtcttttct gtatagacag gtacggagga tgacggctgt gctgggtggc gtggggctgg 120
 gggctttggc acctgcccag gtgaagacga ttctggannn nnnnnnnccc ctggncacgc 180
 acnacacaca tgtngcccca ncccacggct tantcctcan ntcacgcgct gtacnggaac 240
 ctctnctctg cctnctgcac cctgcaggnt nnaaactacn gcaccactg ataa 294

<210> 37
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 37
 gtgaatgctg tgcctgtggc cccacctgtg tgtgatgtcg ccagaaccca gccgactcct 60
 tcagagaaag ctgcaggagt cctggagggg gcccttgggc cacatgttgt cactaacctt 120
 tatctctatc caatcaaacc ctgtgctgca tttgaggtga ccaggtggcc tgtatgaaac 180
 caagggctgc tatatgaccg gagctggatg gttgtgaatc acaatgggtg ttgcctgagt 240
 cagaagcagg aacccccggc ctgcctgac cagcccttca tcgacttgcg gcaaaggatc 300

<210> 38
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 38
 tcttgttcaa cattatatcc ttagggatta gtacataggc ttgcaaatac caggtatgaa 60
 taaaaaatta ttgaatgagt aaatgaattt aaaatataag ttacttaggc ggtatcttca 120
 ggcatactctg tgtttatgtg gtattcaatg gccacaaaat gtctacatcc taattcctaa 180
 gatctgtaaa catataattg catgacaaaa gagactttac agatgtgatt aaatgaaagg 240
 attttgacat gcagataata tcctgtattc ttcatgtgga accaatgtat ttacaagggg 300

<210> 39
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 39
 cttctgcccc cggcacttgc catgttccag tggggggcag atcctcagga cttcacgggt 60
 atggttgcca gctgtgttcc tggcccttgg acacacagtg tggcatcctc atgtttgcac 120
 actttcccca ggctccagtg gcctggatgt caatgtttac aaaggggcaa ggacctctca 180
 tggacactgg cctctagccc tctgtttttg tttgatgaat tctgttataa cctatggggg 240
 caggatatga gtcttgggca ttatttatcc aggacccatc ctcttgggtg ggttttgggt 300

<210> 40
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (285)
 <223> n = A,T,C or G

<400> 40
 aatttcnctt tcnnagnttn cgnncggnet taangntttt tngggcnaaa gncccentnn 60
 gngnctant ttgtgatncn gngngaaaaan atttttctca ttctgaggtc cacatggcac 120
 cttctgggcc agcagctgtg gccggtgtat caagggcgcc cttaaagctg gaacattcca 180
 gcaagcttct tgcgcttctc tgcacccggc aggccactt tcctggcacc ctcgacttta 240
 tataaaagtt gcactgcgtt tcaaaaaccc accctgaag aataa 285

<210> 41
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 41
 gtttcattta agaagaatga gctagataaa tgtgctcttc tggttacccc accctgacag 60
 agtgcatttt tacacggcta gcaggggttg agactgcagc ctggcctgcc agccattgga 120
 ggtgtttaag gaagggcaga taatgtgact ctttgcgggg tgccatctgc ttaccatta 180
 gcgagcagag ggggtttctg cgggtgaccc ccagcatatt tctaggttac ttatgggcag 240
 atttgtaagt gacaaaactc cagctgatgc tgggaatggg gagagggccc ttgagggact 300

<210> 42
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 42
 cgtctgtaat ccagctgct tgggaggctg aggcaggaga atcacttgaa ccctggagggt 60
 ggcggttgca gtgagcacag atcatgccac tgcactccag cctgggcaac aaaacgagac 120
 ttctgtctca aaaaaaaaaa nnnnnnnnnn nnatcctttg gncgggttct cccaaattnt 180
 tttgaggggn ccatggncaa cngcttnagc tttgttttgg caaccccntg ccnaagnen 240
 catataggct gtncttnacc ttgtttccaa ggctgaggan canaaagtan cctntgtttt 300

<210> 43
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 43
 ccatagcctg ttgagtgttc ccagatgtga ctcacctttc tgetgccctc ttcattgcagg 60
 cctactgact cataattcac ttgtcccaaa agccacccca caagcctgag ccaacctgct 120
 gcctgaagcc acagtcatgt gcagaggtct gggcattatt aatctataaa aatccatgct 180
 ttacacctgg acagtacaca gggacttcag agattgcagc ttggaatata ttctcccaag 240
 actgaggttg ttcggtttta attcctgtag tccaatcaca caatttctta tggaaaacct 300

<210> 44
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 44

caaaagataa	tgtgaaactg	ttggtggact	ctctggtgag	gggtgggcag	aacttgctgc	60
tactagagtt	cttgggttct	ccatgatgtt	cacctgggg	ctggcccact	gtgtcctgaa	120
tgtttttgtt	attttttgtt	ttatttttta	aacaaactgc	tgtttttata	tacctggaat	180
ctgttggttg	cttcagagcc	agtggttaaa	gagcagggtc	ccaaggattg	ggagatctag	240
tgtctgctct	cctgccctgc	aactcaattg	ggcctttttc	ggtgacctca	tccaaggcca	300

<210> 45

<211> 300

<212> DNA

<213> Homo sapiens

<400> 45

cttgatggca	gtagaaagac	ctcattttca	taacataact	actcttgata	ctttctttta	60
aaacactttt	tattaaagat	tctatcatga	ggatattggc	tgggagctgg	gaggctaaag	120
cgctcatgtc	ctggctcttc	agtgaattta	actgtgtgac	cttgggcaag	tcacttaacc	180
tctctgtgct	tcagtctccc	tgtcttgtaa	aatgggagta	atacctacct	cacagggttg	240
ttgtggggat	taattagaga	taatgtctgt	aaagcattta	aggttcttga	agaaggcact	300

<210> 46

<211> 300

<212> DNA

<213> Homo sapiens

<400> 46

ggccggttat	tctctcttta	cagatagcta	tagacatcat	tttaggaagt	gttgcaagtct	60
ggcatttgtg	ctattgttca	ttctctgtga	aggctgttca	tagttgctat	agcctgtgtt	120
tagttttgtg	atttcatcaa	tcccatcttt	ctgtgtgagt	aatgcattct	aaacatccta	180
ccccacttta	gaaacggacg	tggggaacgc	ttggtcattt	aagccaacaa	taaatttagg	240
tgaatgtccc	taagtgttta	ctgtttttat	ccagtcaagg	atttgctttt	ccttgaacat	300

<210> 47

<211> 300

<212> DNA

<213> Homo sapiens

<400> 47

gttatattaa	attattcttt	gtttttcttt	ttcttttaat	aaagcctgca	agttactaaa	60
ttgtagtttc	ataaattctg	tagtaaagta	tcactctggc	agtgtgccaa	aggtgaaaat	120
gatgctttct	ctaacagaga	aattcttagt	gactccagtc	gtagaaaaac	gtctttacaa	180
cctgaataag	attgaagaat	tgtgaacata	ccatggccta	ttggatgaat	catttgccgt	240
aggctaaatc	agactgtagg	gtttgcatg	gatttatgga	gtatgtgggt	atagaaatca	300

<210> 48

<211> 300

<212> DNA

<213> Homo sapiens

<400> 48

gatgtcacta	gacaactggc	agtttaatgc	tcacaccct	gaactagaag	aggttccaca	60
ggatccctgg	ccaatgccag	ggatctttag	gtcagcagtc	atgtcaagat	gctctgattc	120
tccacaaacc	cagcttcttt	cccaaactgc	agggaggtcg	gtctgcagtg	acttacctag	180
tattttgttg	tatccctggc	tcacagtgtc	tccccggtct	aggatcttcg	aatcgaaatc	240
ccatgaagca	catattgcag	tgctctctga	ctctcaccct	tgaaatagag	ctggtgggat	300

<210> 49
 <211> 297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

<400> 49
 ctgtttcnnnt cctaattgat agtttagctga tttctgttgt ttttctctga naaccaatgt 60
 tgcaatgtgt ctttagtctg gatagctatt gttaaactgc ctacaaagtg agcagatcta 120
 ttaatatcag tttaactctg ggcctttggg gtttgagagg acctttttct ctgcaaccat 180
 ctgtgggctg atttttgcac tttaactgtg ataacaaggg agggtaactg ccccttttcc 240
 atcatcccc aaaaggga aaatgagcac tagcataaaa gttcttttga gaaatat 297

<210> 50
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 50
 ttccttgccc actetaagtc agatagtcca gagccaggcc ctttgggatg tgacaccgag 60
 ataaatcaga gaaaagctgt gaagcttggg gaacagaggg accttttggg aagtaggtgg 120
 tctgcagttt ctatcttctt gggaaaagca agctggaaaa gtgaacagtg gttggttaggc 180
 catagtgtc ccagctgggt gacataatga ccacacagca cagtgtgtt attagcaact 240
 gtgtggtgga gtagttgtgg gctggacaaa tcaatcgtgg gaaattgtta ggagttttat 300

<210> 51
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(288)
 <223> n = A,T,C or G

<400> 51
 agttctntta acaggatnnn atcgattcna attnggcntn angnntggcc nccctggggg 60
 ncnaccaga agntcggana aaggcccaag gngnangcca cggccagcag tggtnattgc 120
 cccctactcc ttttttgagt ctatnagcat tgnttggttt tagctgtcat cagaagctgt 180
 gagggaccca cagatttttg aaacgacctg gacacactat tgggaaggag atgtggacgg 240
 cctgtctcct cctgcagggc ccaccctaag aatgtatttt taaacaca 288

<210> 52
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 52
 agaaaggata atggagtttc tgtacaagat ttaccagaaa gagagtgggtg tgtagacatg 60
 cctggagcag acaccttgga gccgctgaca gaaggtgaag cagtccaaga aaatgtggaa 120
 acttttccgc tgctctacac agtccacaaa cctgtccatt ttatttcgtt gaagctttgt 180
 ctgagagata accaaataga cagtcaaagt aagtattctc agccacatat ggggagtggg 240

tgctgctgaa ttgtgattaa ttgggggagc catataggta catttgccat gatctgggcc 300

<210> 53
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 53
 gctactctta cgcactcacg ttcattaact gcgttctgat ggcagaaggt agacagcaac 60
 tggacaaggg tgaattttacg gagaagtacg tgggtcccgcg gacaaggctg gcatccaagt 120
 tcatcacact ctaccgggagc atacgggagc atggcttcta cgtcactgac tgtcccagc 180
 agcaggcaca accccctgag ggcgggcggtt tgtgctgaga gctatgtaag cgcagcctnn 240
 nnnnnnnnnn nnnnnnnngt tgntacctt natcataact atggatatct aaatgcat 298

<210> 54
 <211> 268
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (268)
 <223> n = A,T,C or G

<400> 54
 agtccctgag aggtgggtggg aatggctgct tcattcctcg aggatgcccg ggccccacct 60
 gggcttgtct ttctgttttag aggggaagtgt aacntatctg ccatgaggaa cataaattca 120
 tgtaangcca ttttctctta tncannnct ntctttctan gtacantct tntctaggat 180
 ttgngaagct ncttgcnctt gnaacaggnc tcangtnngn gnancnnttt ngnnntncc 240
 ncnnntcntg ntgnnttttt cntntnnt 268

<210> 55
 <211> 278
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (278)
 <223> n = A,T,C or G

<400> 55
 aatgtgaaat ccacattgtt tccacaggca ccatcagtaa tgtcgaacaa atggagaaag 60
 ttgcaggtgg ggctaggaaa gctgtattcc tgtggattac tctagctggt catttgcccc 120
 gattgtgaac tgcttgaaag aaaaacgaaa cttctaagat gtttgtcctt tcatgtcctt 180
 tctgttggga tttcttattt ggngcncttn nctgnntanc nttnnnctnn ttnattnggg 240
 nntcctntna nctnttgnn ncatcgnnta agttagtt 278

<210> 56
 <211> 254
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (254)

<223> n = A,T,C or G

<400> 56

ggaaattggc ctataccagg agagcggatc ccagacgtgg ctgcattgtc catgggcttc	60
tctgtgaaag aagacctttc ttggccagga ctgcagtggt gtaacctgtt tcatcgctcct	120
cgggctaccg tcatggtgat ggtgaaggga gnnnnnnnnn nnnntntacn cncaggcntt	180
nnntnttnat nncnnngtc nccttncnan tnnatnttna ntncnnnnnt ngnagntatc	240
tngtcgtntt cctt	254

<210> 57

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 57

gagacatcat gtcaacagaa atggagatgt gcactgggga aactgccggc cgggcccgtg	60
gccctgggac gcctgggagg tggccaaggc cttcatgccc cgaggactag cagacaaaca	120
aggacctgag gaatgtgat cagttgctct ttttaagtct atcaacttct nnnnnnnctn	180
tgnngcnnat gntacantg ccaccaacgt gnttntgtgn actcgcnan tcatggacta	240
tctctatgat natgannntt ctaggancnt ngnggataat actacnttnn antccttctg	300

<210> 58

<211> 300

<212> DNA

<213> Homo sapiens

<400> 58

acaaggtgct ggcagtgaag tgggggcaga ctgagcctgt gtagtgaagt gtcttgagga	60
acgtcagctg tatcttttag gaaacaaaa ctgcatagac attgaacca ggcagaagggt	120
catgaagtca gagctaagaa atgctagtgg ggataggggg tgagatagag ttgggaaatg	180
tttcagagct acaggtgaca gttgttggtg tccagttgga tatgtaccat gaaggggaaga	240
agcagtcaga gtgggcacca agctttctag cctggaggac tgaatgggtc tgtgcacatt	300

<210> 59

<211> 300

<212> DNA

<213> Homo sapiens

<400> 59

ctctcaaata gaaatgggag ataagaaata tatctgtgca atattaaatt gaaaaaaaaa	60
acccataaaa agtgtcaaag gcaaataatt tgctctagat cacaaaacta gttagcacia	120
ggctaggatt ataaccaggg tctaggaaaa aatcctgaag gtgatttaac tgagtgttag	180
gccctgtcaa gccacctgct aaggctcatg gtctttcaga ctagcttcaa cattccaaat	240
caggcaatag ctacaacgga aagataattg gacggggaat cctgagatca gagtccatg	300

<210> 60

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 60
 aacgtgctgt acaccagcct gcccgctgctc ctcatggggc tgctcgacca ggtaggagcc 60
 tcgcacaagc agggacactt ctggacagat gagaatgcgt tagagaagtc ccaagcaaac 120
 gtttcaatgc attcttctgg tgtttacttc tttctgatca aaccctatta taattctgtt 180
 gtcaggcatc aagggtcag gctgtgcttc ttgttttgta ataaggaaag aggatttctc 240
 tgtagtccca gctactcggg aggctgatgc aggagtatga cttgagccca ggtgttcaag 300

<210> 61
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 61
 ctgttcctaa ccttttcaac tgggggggtct caagtgggtg aggactccat ggccacggca 60
 gcagaactgt ctcttctgaa aaccagactc cggggcccct gggtcagcac ctctaggtca 120
 ttccacagac ttacacagtt taaagaaaga gccagcgaa atgggggtgat cctgggggtgc 180
 cactgggac ccaagccagg cccggaggtc tgcctgttcc gtccccagaa acttgagctg 240
 gcatcctccg ttggtttgca ctgggcacgg ggactggaga gccaccaggc cactgagcgc 300

<210> 62
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 62
 cctgcttcca ggtctccctg tcccccttgc ctgccttctt ccctgctctg tcccctaagc 60
 tcctccagg caggggaaaag aggccagggtg ctaaaaaatga gcctttctca agcacgtgag 120
 cagcggaagg cagacaggcg ccagagccca gactccctt ttccagcagc tgtggtgggg 180
 gagggttccc ctccagtttg tcaagagttg aaggaggctc tgtggccagg tgacctggct 240
 gccttccact ccttgtagct cagtctaaac atggagtggc cgctgacaag gcgctccagc 300

<210> 63
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 63
 cccactcgg ggtatgtgaa tgcccagctg gagaaggaag tgcccatctt caciaagcag 60
 cgcattgact tcaccccttc cgagcgcat accagtcttg tcgtctccag caatcagctg 120
 tgcattgacc tgggcaagga tacactgctc cgcattgact tgggcaaggc aaatgagccc 180
 aaccacgtgg agctgggacg taaggatgac gcaaaagttc acaagatggt ccttgacctat 240
 actggctctc acctgctgat tgcctgagca gnacggangt ctttacgtga acccacttga 300

<210> 64
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 64

gagttttttg	tgatattgag	gcattcatatc	agagctgcag	ttagacgggg	ttacgggggc	60
taaaagcaga	aaaaaaattc	catttcacg	ggatggaact	gaaggatttt	attctataaa	120
gcggccctgg	ttgaatctgg	caattctttt	tgccaagatc	cctagcagaa	gatttagcca	180
tgtccttccc	ctcacttggt	tgagtggccc	cttctgaatc	tctccagcag	ccagaggcac	240
cgtgagaagc	agaaagagct	ggtaaataaa	gccttgggca	agcgacttct	tagatcagaa	300

<210> 65

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (299)

<223> n = A,T,C or G

<400> 65

cacctgacct	tggcctgcac	ccccggcagc	tccccacac	ttttgcgctg	gttccacgac	60
tgcttgggct	tttgccactt	gccgctgagc	ccagggtgaag	atccccgagct	gggccttgaa	120
atgacagcag	ggtttgggct	tgggggaatg	agaggttaca	gcnnnnnnnn	nggccatgan	180
gggcananat	tgnatcccac	atatttgann	ngngcngaga	ncccttttng	gggggngtaa	240
angtacaacn	angaagcnct	nttaggacta	aggtttaana	aagntgcttt	ttaccatt	299

<210> 66

<211> 300

<212> DNA

<213> Homo sapiens

<400> 66

atttgtagca	actgtaccat	ctgcttgcca	ctgctccaaa	cttttaccca	cttgcttttg	60
gtaaagaggt	cacctgcgta	tttaaaatat	ccttttgtaa	tgtattggga	aggtgcgaga	120
acatatgaaa	atggttgta	atggagatgg	aaggggcttt	attctcactt	aagagagccc	180
tgggaggaat	aaggttttat	ctggatcagg	tatccaattg	cattggataa	acgtggcctg	240
aggcaggata	aaatttaaaa	acacaataat	aagcctcctg	gtgacatctc	tgttcctttt	300

<210> 67

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (297)

<223> n = A,T,C or G

<400> 67

tgtatcgggt	cctgttccag	ccggcatcgc	cgggtggctt	ccaggcctca	gagctgtgtg	60
gcagggcccc	ctgctggggc	tggacatcac	tgcagtccag	tgcaaagccg	nnnnnnnnac	120
ccagggtgnc	cccccaacta	aacnaaactg	gnggcttgga	agccccnncn	natgggaang	180
tncaaaaaaa	ggtcttggnt	ttctcttcta	atgcctttct	taactcctga	antcgtttgc	240
tcctaaatct	tggtaattct	ttttctctgg	attttgggtt	cttttggctt	tcccttg	297

<210> 68

<211> 300

<212> DNA

<213> Homo sapiens

<400> 68

ccccactcgg	ggatatgtgaa	tgcccagctg	gagaaggaag	tgcccatctt	cacaaagcag	60
cgcattgact	tcacccttc	cgagcgcat	accagtcttg	tcgtctccag	caatcagctg	120
tgcattgagcc	tgggcaagga	tacactgctc	cgcattgact	tgggcaaggc	aaatgagccc	180
aaccacgtgg	agctgggacg	taaggatgac	gcaaaagtgc	acaagatggt	ccttgaccat	240
actggctctc	acctgctgat	tgccctgagc	agcacggagg	tcctctacgt	gaaccctt	300

<210> 69

<211> 300

<212> DNA

<213> Homo sapiens

<400> 69

ccccactcgg	ggatatgtgaa	tgcccagctg	gagaaggaag	tgcccatctt	cacaaagcag	60
cgcattgact	tcacccttc	cgagcgcat	accagtcttg	tcgtctccag	caatcagctg	120
tgcattgagcc	tgggcaagga	tacactgctc	cgcattgact	tgggcaaggc	aaatgagccc	180
aaccacgtgg	agctgggacg	taaggatgac	gcacaagtgc	acaagatggt	ccttgaccat	240
actggctctc	acctgctgat	tgccctgagc	agcacggagg	tcctctacgt	gaaccctt	300

<210> 70

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 70

gtttgtttcc	cagagatgtg	aacttgctga	aggaaaacag	tgtaaagagg	aaggccatac	60
agagaactgt	cagctcttca	ggatgtgaag	gcaagaggaa	tgaagacaag	gaagcagtga	120
gcattgttgg	taactgccct	gcctactaca	gtgtgtctgc	tcccaaggct	gagctactga	180
acaaaatcaa	agagatgccca	nnnnnnnnnn	nntgaggaag	aggaacaggc	anatgtcaat	240
gaaaagaagg	ctgatctcat	tggaagtctc	accacaagc	tggagaccct	ccaggaggcg	300

<210> 71

<211> 300

<212> DNA

<213> Homo sapiens

<400> 71

tcaggccgct	gggtgacggt	gtgctggcca	gatagtccct	ggggctgcag	gtggcttctt	60
tcgccccatc	cctcccatcc	cctttcattc	ttcctgtcaa	cacatctcag	accctggaca	120
ccgaatgagc	cgtcgggtacc	cacaccccag	ggcaattcag	tggaggggta	ggtggctcgt	180
tccccacgt	tgccccagga	agaggaccct	gtccccggca	tcctgaccga	cctcccttag	240
agaccgagag	cctctaagga	taaaccatt	caccogtgtt	tcagaggctt	tttttccctc	300

<210> 72

<211> 300

<212> DNA

<213> Homo sapiens

<400> 72

gttcagggtt	ggtgggtctg	tggacctga	gctagttttt	aatcaacatg	gaaactccag	60
tgatctat	aaaaacttgc	attgggtcat	gccaggttta	ttggagggtta	tacctccaa	120
tgtatttcca	actcagggtt	aaagccaagg	tccttatggg	ggaagatggg	gcatataaac	180
tggcattctg	gcgctcacac	actccaatat	ctactactct	cccctcttgc	tcgctcagct	240
gtggcttgct	tattcagctt	tttgctcttc	ctggaataca	tcaaacatat	gtaggcccag	300

<210> 73

<211> 300

<212> DNA

<213> Homo sapiens

<400> 73

ctttgaagag	aggaggggga	cttttagagag	ggatgaaaat	gagccctggg	agggaggaag	60
ggacgaggag	gggtggctgc	atgttaccgt	cccctacctc	tccccacgtg	gagggtggag	120
cagttatgag	ggaggaagtc	aactgctgtt	cagcctcaga	ataaagggtc	cgttcactgg	180
ctcagttacc	tcctgtgtac	cggcatcttg	tgttgggaat	gttccccct	ccctagggac	240
caaggaccac	ccctacaaaa	agagtaatgg	ttgggtgata	ctccctcaag	ccaaagagga	300

<210> 74

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 74

gggattaaca	atgctgaagg	actcttagta	gtagtgactg	tcctctgtgc	ccctctaact	60
ttcctgagcc	tcacacacaa	cctgtgggca	ggatggagta	gatcatgttg	ctgactgctg	120
ccgtaggcaa	gtaaatggag	ccagaaagtc	ccactgttga	cagggtgccca	cagctgacca	180
gggactgtca	ttctctccac	ccacaggctg	tggaggggtga	ccacagcatg	tgccccacctc	240
caccaatccg	caacgagcag	ccggnactgg	tgctngggca	gaggntgccg	tcattgccca	300

<210> 75

<211> 300

<212> DNA

<213> Homo sapiens

<400> 75

tgggggctct	gaagtttcac	cagggtggacg	ctggggagcg	ggctcccagag	cacttgtcta	60
cctcccgccca	gtcctgacaa	cttttctggc	caacctaccc	agcttcgctt	ggctggcgag	120
cgcctctgct	gctgggggttc	gcggtgcaga	tggagacgca	tggttgggcca	gagggtgatg	180
gagaagacgg	gaaaagcgac	agccacgctc	ctggctgaag	ccgcaggacg	caaataaactt	240
actttgtacc	tgacagtttc	tcacgttggt	gtggaggccc	tgtttccttg	aaataaactc	300

<210> 76

<211> 300

<212> DNA

<213> Homo sapiens

<400> 76

gcagggcagg	gctaaagttg	gaaatggaaa	tgaaggagca	ggtagccatg	cagccttgtg	60
ctttccagca	acaggggtga	cacttggtcc	caagaggacg	cagctgaaag	accctctggc	120
agggagaacg	tgtgaggact	ctgtgggtga	ttctgagttg	tgccctctctg	gcttaatctc	180

atctgattct agcagtaact ccaagaggta agcacatttg tgagtcctgt tttccaatgg 240
 aaaagctaca tgaggcccac caggtcccag aactcaacaa tggtaggggct ggggttcaaa 300

<210> 77
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(296)
 <223> n = A,T,C or G

<400> 77
 aaaggaccta agtgtgaaat accccgaaga cgccccatc acccttccaa acctgttgag 60
 gttcattttg catcactcag accctgcttc cagccccag aatgtggcta actctcctac 120
 caaggagtgt cttcagagcg aggcagtctt acagcggggg cacatctccc acttgagagag 180
 agagatccag aaactgagag cagaaataag cagcctccag cgagcacaag tgcaggtgga 240
 gtcccagntc tccagtgcc gcntanntgn ntacnttgnt ngtngtngnt gatttt 296

<210> 78
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 78
 tgaaaaaat cacagctcct gcagcaagtc tatgcttggg taacaaccaa cccacaaaat 60
 ccaagaggag gtccccctct cccgcctctg tgaggcttga ggagcagtat gtatctgggc 120
 cagcctggtc ctcagagtgt ggaattaaca cctttcctct agcaactgtt tgtgctgctg 180
 agaacagcac agactctctg gcagcctggt tctctccaga gggaagcctg tgaagcagaa 240
 gaaacatatg gcatctgcac tcagggcgcc cagttccatc cggccttgct ataaaatgac 300

<210> 79
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 79
 caaaaagctg ctgctgggca gcccagctc gctgagcccc ttctctaagc gcatcaagct 60
 cgagaaggag ttcgacctgc ccccgccgc gatgcccaac acggagaacg tgtactcgca 120
 gtggctcgcc ggctacgagg cctccaggca gctcaaagan cccttcctta gcttcggaga 180
 ctccagacaa tcgccttttg cctcctcgtc ggagcacgcc ccatattagt ggtccggggc 240
 cgggcaggcc cagctcaaaa gagggcagac gcagcgacac ttgttcttac acaccccat 300

<210> 80
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 80
 ctcccagcct cctcctccaa cgcccttttg atccaagatt gagtaagaga cattggcaga 60

tgctgagaag gacaacccaa ttgttttaac ttgcagaccg aggggggagat gggttccagt	120
ctgcacatga ctctgtcaca gtccccccac cccaccctga cttagaaaat tccaaaccga	180
ctacaagacc agaacaacac cacatgccag tcgccccctt gtctgtacac acatgtggag	240
ttcagagcca cccttggaga gaggtgctc aggtcagct ccctgtgctg ggctttctag	300

<210> 81
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 81	
acatagcccc caccctgag ggatgagaca gctccctgca ggcaggctgt gcccagtcac	60
ctcaagccta cagctgggct gctggctgca gggctctggag ggcgggtggg aggggtggcag	120
acagagtagc aagaccccca ctccctggc cttcttcaca gacctgcgtc atgcgggcct	180
gggaccgcag caagcccctg ctcttctgcc cggccatgaa caccgccatg tgggagcacc	240
cgatcacagc gcagcaggta gaccagctca aggcctttgg ctatgtcgag atcccctgtg	300

<210> 82
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 82	
ggaagaggat gactgggtat gctgtgccac ccttgagggc catgaatcca ctgtgtggag	60
cttgggcttt gacccgagt gccagcgcct ggcgtcttgt agtgatgacc gtactgtgcg	120
tatctggcgt cagtatctac caggcaatga acaaggggtg gcatgcagcg gctctgacct	180
cagttggaaa tgtatctgta ctttgtccgg ctccactca aggaccattt atgacattgc	240
ttggtgtcag ctgacagggg ctctggccac agcttgtggg gatgacgca tccgcgtgtt	300

<210> 83
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 83	
cagagctgta tcttcagtgg tgtgatgaag ctacagtagg ggagatcact catgctaggt	60
atggatctcc ttacccttgg cctctgaatc atattttggc ctatcaaaaa cagtggnnnn	120
nnnnnnnnnn nngtaaaaaa attttngng gggggagaaa aaatcnggac ccggtgttan	180
aggatgtaga ccagtgtgt caagctctct ctcaaagact gggaacacaa ccgtatttct	240
tcaataagca gcctactgaa cttgacgcac tggatatttg ccattctatac accattctta	300

<210> 84
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 84	
gtcctaccca aacctgtggc cgccactttt gaattctcag attgccctga attttgcac	60
ttttaataa tgtgtgtaat aagctcagca actaaaaacc attaccaag aacgtttctt	120
gtgagtgagc tgatttatct tgattcatta tattcctttt ggtagatttt atacccttg	180
gggaataaat acaacaaaaa catctcttaa aaatgctggg atggggccat atctactagc	240

agaggccaga tggtcagata tgatttctgc aaacccatct tgaccttgag tatgtgaagg 300

<210> 85
 <211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 85
 tgggtgcccat attgatgtgg atanacagaa agataagaat ggcgagagaa tgatcacaat 60
 aaggggtggc ccagaatcac caagatatgc agttcaacta atcaatgcac tcattcaaga 120
 tctgtctaag gaactggaag acttgattcc taaaaatcat atcagaacac ctgccagcac 180
 caaatcaatt catgctaact tctcatctgg agtaggtacc ccagcagctt ccagtaaaaa 240
 tgcatttctt ttgggtgctc caactcttgt aacttcacag gcaacaacgt tatttacgtc 300

<210> 86
 <211> 300
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 86
 gaattccatt accanatgct actngctctt tgttgcttta tcncnangcc atcgattcga 60
 atnnaggacg agncganngg tategncann gatngntntn ntncgctcnt gacccatang 120
 cttngnatng ggatnnagng acagtntcnt gnnaaacatc tatnacmntn atganggcta 180
 tcnntttaat gatnttgaga atnatgacng gcttgatgac tanaacaatg cngaagatna 240
 ncgccactga tgggtgnaca tacttccttc ttttactact cgcctnacia tcacaatctg 300

<210> 87
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 87
 gtgcgtgtc caggaatgac gtgctgaagc aggaggtgcc agaggggcttt ccctttgccc 60
 atgtcctttg ggcaggatgt ggatgcagct gtcggggcag ctctgggtcat gtcccggaga 120
 cacctcaacc agaaggaatc ttagacagca aactctttcg ccaaacgact gctgtgaatt 180
 ttacctgatt aacattctctg acaccatctg tgggtcatcc tttccctgga ccgttcagtg 240
 gacagcttct aagcagtgtc tgttgtgagg tcccatcttg gccagaact taccttcaga 300

<210> 88
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 88
 ccaaggagtt ttccaccgt ctctcatggt cacagcgcta gtcattcatt tttgagaagt 60
 tgcttctttt acatcagaaa accagtcaat catatggaga cttcttttgt gatgaaaaag 120

ggcttttagaa gttaaatata tgcattgcaca tgaaaacatg cacaaccaca gcctcaatct	180
tgtatttagt ttggggaaaag agaagagaat ttcctgtgga ttattttttc ctcaagtgea	240
cctctctggt taaccctaac tctgcaagaa agcactgtga ctaaaacata cataacgcct	300

<210> 89
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 89	
agaaatcgga acaaaagtag aagttgtgga aaggaaagaa catttgcata ctgacatttt	60
aaaacgtggc tctgaaatgg acaacaactg ctaccaacc aggaaagact tcaactgaaga	120
taccatccca cgaacacaga tagaaagaag gaaaacaagc ctgtattttt ccagcaaata	180
taacaaagaa gctcttagcc cccacgacg taaagccttt aagaaatgga cacctcctcg	240
gtcacctttt aatctcgttc aagaaacact ttttcatgat ccatggaagc ttctcatcgc	300

<210> 90
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 90	
ttgattgtca taacaattag tggatgtgtc cagttctctg tatctttgac ttgatgcttt	60
atacatcatt tcatttgttg cttctaaggg aataagccat agaggcttct ccaggtttaa	120
aagaacagta aagtacctgg aaaaccaaca tttttgaatg tatggacact ggacatgaga	180
tatgtacaat gaaatcttaa aagaatctaa gaatttgccc tctttgcccc actccacca	240
gtaatttgac attactagtg ccatgtatag gaccacactg agtattagaa tcagttttga	300

<210> 91
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 91	
ataggaaagg gaagcccatt tcccagggtca aagcctttgc ttactcgttt atgtttattt	60
tatttttgag acagagtcta gctttgttgc ccaggctgga gttgcagggt caatctcggc	120
tcattgcaac ctccgccttt tggattcgtg cagttctcct gcctcagcct ccaagtgggtg	180
gggatcgag gcacacgcca ccatgcctgg ctaatttttg nnnnnttann ggctgncncn	240
gngaancctn nnnntnctn nnnntnc	267

<210> 92
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 92	
aaaaattgtg atgtaagtgg tacagtgggg agaatttagg gctctcagaa tgcagaaaac	60
tagccacctc cagttctgtg cctgaccacc atctgacttt ggataaatcc cttctgctct	120
cccacctagc tttatcattt gtaaaatgag tctctaggta cagccctttc tgggttgaga	180
cagagtttct gaggagtaaa agccatgtca ttgtggaaac aggcagctat tctcacagct	240
ggcatgagcc cactactccc ctataatcag tgctgataaa ctgctctcat ttgttggaact	300

<210> 93
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 93
 agtgtatcca gatctaagta atctcagtga actatacatt gcctaaaaag tggttttgta 60
 atgatttgta gtcacatttc tattgggata tgtnnnnnnn aaggcgaaat gcttaaagtt 120
 ccttttattt tttaaaagca gntagataga cacagacttg ccacctnata catctgctcc 180
 ttggcaacat cnnnggggaac nnactagccn acatgcctat ggctaaaaac tttnccttgc 240
 nnactancgc nctgnttggn gcttcngntt ntannnt 277

<210> 94
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 94
 attcggcagc ancccaatcc ctgggcgccc ctggtatcca aaggggccag ggaccctgtt 60
 gcgctgccct ggcctcggca ttogaggctc ccctagggcc gtgcctgtgc gtgtgcgtgt 120
 gcgtgtgtgt gtgtgtgtac tgcattgccca cccgggtagc aagctgggtg acagatctgc 180
 tctgtggagg ggcgggcacc agmtccactt atgtgcctgt gctccgaggg ccaatgggct 240
 gcagggcctg cttggaggaa ggatttctgt gtaggaggcc tctccgaggg caattctgtt 300

<210> 95
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 95
 aaaacctgct gtcaaggctt gaagagccgg cacactcaat ggcaaacaca gcaccgagtc 60
 tgctctgaat cctggaggat ctggccctcc tctcaacccc cactcacagt caccgtctta 120
 caactcaggg ccacctggga tcagtcatca gtcagggtgc gtaagccttg aataccaggt 180
 agcctcagga gtgaaaagat aaatgtccta gatcattacc ttattcagtg tccccacctt 240
 gcagcgcatt ccaaccacct gggagcattt aaaactccag atgccacac cacaccctgg 300

<210> 96
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(283)
 <223> n = A,T,C or G

<400> 96
 gtaacctgac acccagggag ggagggaggg aggggctgnn nnnnnnnnnc ctgnannng 60
 ggnctcacct gttctnnntt ntntntntt tnnntntang ntcacmntng ttancatntt 120
 ttntancttg nntttatttn tntntnttt ntncacttn tttntnttgt tntnnttctt 180
 ttttntcntt tatttttgnn ttctncctn ntntntntgg tttttanttn ntntntntt 240
 tttntnttn tnttnnnnt ngnttctnt ntntgtctt ttt 283

<210> 97
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 97
 gtttcacatt tgctgccatg agcaaagagg aggtcgacag gtacaatttt gtgatgctgg 60
 ccctgtcctc ctcatctctg gtgttatcct atctcttgac ccgttggtgt ggcagcgtgg 120
 gcttcacatt ggccaactgc ttaacatgg gcattcggat cacgcagagc ctttgcttca 180
 tccacogcta ctaccgaagg agcccccaca ggccctggc tggcctgcac ctatcgnnnn 240
 nnnngnncgg gacatttgcc ctcatgggtg tggttnc 277

<210> 98
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 98
 aagactttgg aaacacacat taaaatattt catgctccga acgccagcgc accaagtagc 60
 agcctcagca ctttcaaaga taaaaacaaa aatgatggcc ttaaacctaa gcaggctgac 120
 agtgtagagc aagctgttta ttactgtaag aagtgcactt accgagatcc tctttatgaa 180
 atagttagga agcacattta caggaacat ttccagcatg tggcagcacc ttacatagca 240
 aaggcaggag aaaaatcact caatggggag tccccttagg ctccaatgcc cgagaagaga 300

<210> 99
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 99
 gctagactca agctgtctgg agagtgtgaa acaaaagtgt gtgaagagtt gtaactgtgt 60
 gactgagctt gatggccaag ttgaaaatct tcatctggat ctgtgctgcc ttgctggtaa 120
 ccaggaagac cttagtaagg actctctagg tctacacaaa tcaagcaaaa ttgaaggagc 180
 tggtagcagt atctcagagc ctccgtctcc tatcagtcgg tatgcttcag aaagctgtgg 240
 aacgctacct cttcctttga gaccttggg agaagggtct gaaatggtag gcaaagagaa 300

<210> 100
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 100
 aagtccatg aagctttggg acagcatgtc atcgaagacc atgaacgtat aggctatcag 60
 gtcactgcca tgattgggca cacaaatgta gtggttcccc gatccaaacc cttgatgcta 120

attgctccca aacctcaaga caagaagagc atgggactcc caccaaggat cggttccctt	180
gcttctggaa atgtccggtc tttacatca cagcagatgg tgaatcgact ctcaatacca	240
aagcctaact taaattctac aggagtcaac atgatgtcca gtgttctgta taaaatgcaa	300

<210> 101
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 101	
atgttgccca ggctggtctc aaactcttga cctcaagcaa tactcctgcc ttggcctccc	60
aaagtgtctg gataataggc atgagccatc atgcctggcc gaacttattt ttaaattctt	120
tgggaatcta aaaggactat gtgctttctt ttttactgga ttatgtgaga agataatagt	180
ttgcagagaa attcagtga gcagctgata aaatgcttta aaaatatatt tcagagaatt	240
gagcaataac agtgaatgtca aaatagtagc cccaccttct ccagcccacc taaaccaaca	300

<210> 102
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 102	
gatgcaaggc ctgaagctga aacttcagag agcatcggca ttaaggaag aaccttggtc	60
gggctggtg gctcacgcct gtaatcccag cactttggga ggctgaggcg ggcggattgc	120
ttgagcccag gattttgaga ccagctggcc aacgtggtga aaccccgctc ctactaaaaa	180
tacataaatt agctgggcg tagtggcatg tgctgtaat ccagctact cgggaggctg	240
agagaggaga atcacttgat tctcctggga ggcagagggt gtggtagctg agatcgtgcc	300

<210> 103
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 103	
attttagtgg ttttacagtc atttttcatt taatatttac agaagtccta tgaataatg	60
actgtgatta gataactgta ttattaagga aactgagcct tagagagggt aggttaacttg	120
tctaaggtag agctatgata caaaccggg tctcattggt tgggcatttg tgtcagtcac	180
tgagtataag gtaactggga caaggagctc aagcagctcg tcgtttagta tcagagacag	240
agagctcagg ccatggcccc actatgaaca aagtgggtctt aggacacaga aaaagagtga	300

<210> 104
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 104	
gcctgtagtc ccagctgctc gggaggctga ggcaggagaa ttgcttgggc cgggaggcg	60
gtggttgacg tgagccgagg ttgcgccact gcactccagc ctgagcaaca gagcgagact	120
ctgtctcaaa caaaaaccaa aagacatcag gaaacatgcc tcttatggaa tttgagggg	180
aaaagtcagg gtcttgacg tgacctgga caagccatta gcctcttgat acctctttc	240
tcctctgtaa aatgaagggt gtagttacct acttcacagg gttattaggg gattcaatgt	300

<210> 105
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 105
 cagaggcttt gctagtatcc ttcaaccaat ttctagtaaa aatatacctat ataaccataa 60
 ttatcaaaac cagaaaaaca acattggtag gatactataa agtactaatc ttattttgga 120
 tttgacgaat ttttacctgt ttttttcttt ttttagtttg actctaagaa gttgtattac 180
 atgtacagat tegtgttaacc actgcaacca cataaaacta atgaacacaa agtccctcat 240
 gctacctttt tatgcttaca ctccatccaa acctaactct gcccaaccact tttctcctat 300

<210> 106
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(287)
 <223> n = A,T,C or G

<400> 106
 acctgagcta ggggtgcagc agaaattgag ttgcagcttg cccttggtcca gacctatttt 60
 ctgcttgctt ttttgaaaca ggaggtgcac gtaccaccca attatctatg gcagcatgca 120
 tgtataggcc gaactattat cagctctgat gtttntnnnnn nnnnnnnnna taatgcgana 180
 gangccatca cmtntctatt gtgtctnaaa tntngccntg ngntattcca tgnctcntn 240
 ntatnnanct ntacnaatan gttttacgtn atncmnttcg attttttg 287

<210> 107
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 107
 ccctggatga aaacctaggc agtaccattc aggacatagg catggggcaaa tacttcatga 60
 ctaaaacacc aaaagcaatg tcaacaaaag ccaaaattga caaatgggat ctaactaaac 120
 taaagaactt gtgtgcagtt ttatttggga gtgtgtgtgg ggtacctctg agtttcaaaa 180
 atgaagaaag taagtagtca tgctttcctg actccttggg agacatagcc ttttaagacag 240
 tcattctgag ctgttatggt cttagggttc cctatactac taaaacttat tgatgacatg 300

<210> 108
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 108
 atgcccntag tacgcaacaa ntccttcntg ctccaagagt aggaaaatta ctgttctntn 60
 tgccagttag attcctcttc tggattacc tttgcttcaa agtccctgaa ttgcccattc 120
 ccacttcat agcacttatt gctatctgga attacactaa atgtcacctt catgatggta 180
 ggcaatttat tgccttagtc acagttatgt ctagagaaca agcagctggc tcatagtagg 240
 cactcaacaa atatttggtc aatgaatgaa tttataaatg aatgc 285

<210> 109
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 109

aattgtaact tattccagga taaatgtcat atgcatatga ttttcatatg actttgatga	60
gtatcttcag ggaaaattcc taaaaatgaa attgctggat taaggggtaa atgcatgtat	120
agttttgtta gacagggcca catacccttc cttagaggta gtaccctttt gtattcctgc	180
cagtaatata tgagagtcca cagagtatgt ggtaagctt tagaatgctt gtccatctga	240
tagggaagaa atcgtgttgc cttaatttgc ccttctttta ttatgaatca gattttaatc	300

<210> 110

<211> 300

<212> DNA

<213> Homo sapiens

<400> 110

cagccaatag ccatgtaact gagcttgaa gaggatcttg ctgtcctggc caacatctca	60
ctgcaattct atcagttgaa ttccctggat agtccaagct ttgtggatcc ctccaccaga	120
acaactggat ccagtagctt gaatcctgaa tcttagactc ttatacttca aacactgatc	180
acgggaacag cgggctcagc agctcctgag ttctaatgc tcagaacatg gatgagatga	240
taaatgtttg ttgtgttaag ctgccaacct ttggcggggg ggtattcgtc acaggcaaca	300

<210> 111

<211> 300

<212> DNA

<213> Homo sapiens

<400> 111

aagcaacttc ttgcctcttc tcaatataga attcaaagat ttgagaggtt ctgcaagctt	60
tttctgaaa ccaagtacct ctggtgacag ttacaaagt ggaagcattc cattggcaaa	120
tgaatccttg gagcacaac ctgtatccag tttagcagaa cctgacttga tcaactttat	180
ggacttccca aaacataacc agatcataac tgaagaaaca ggctctgcag ttgaaccaag	240
tgatgaaata aagagagcca gtggagatgt ccaaactatg aaaatttcat ctgtgcctaa	300

<210> 112

<211> 300

<212> DNA

<213> Homo sapiens

<400> 112

ggccgggttat tctctcttta cagatagcta tagacatcat tttaggaagt gttgcagtct	60
ggcattttgtg ctattgttca ttctctgtga aggtgttca tagttgctat agcctgtgtt	120
tagttttgtg atttcatcaa tcccatcttt ctgagtgtt aatgcattct aaacatccta	180
ccccacttta taaacggacg tggggaacgc ttggtcattt aagccaacaa taaatttatg	240
ggaatgtccc taagtgttta ctgtctttat ccagtcaagg atttgctttt ccttgaaat	300

<210> 113

<211> 300

<212> DNA

<213> Homo sapiens

<400> 113

gacttgaaaa aaagtcacat ccagcaaagt cagggtcaca tgaaatatgg gcctcctgga	60
atccctacag tggatggaga ctggctcata ccttgccaga tccctctctc agttccagcc	120
ttctggacaa ggcctgggct aagaggagct gattcgttat ctcttcaccc actgccctct	180
cagtatcacc agtcccaaag acaggatacg tccctgtaac ccaatctctc ggttgattga	240
tagcagaaca gctcttgttg gtctgagaag gcaggataag tgaccacata tttatgccac	300

<210> 114
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (291)
 <223> n = A,T,C or G

<400> 114
 gggggggnnaa aaaannnatt tnannnnnttt ttttncaaan nanagggggn tntngntttt 60
 tnnattaaaaa nnnccggggn nnnnccatnn ngttttttttt aaaaannntg gnaannctnn 120
 ggngtngggg cccctnaant gttttnaaag acnccccctt ccaaattttg aaaacattgt 180
 aattggagaa gaaggtanct ctgcaagggt aatctgtcat tctcaatttg ccttattgtc 240
 ttgtttatta agatgttgga aaagcaggag gtagctgtgc ctcaattatt g 291

<210> 115
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 115
 aaacagaatc cctttttcct tttttgttta aaagtactca tccctaatat tacattgttc 60
 tggaaggact gaaaataaca gaactcagca ccatgatcgg accgggacaa tcagattatt 120
 tcattcctca gcaaacggag atcgatccga aaagtggaaa tatgagctct tctttggtgt 180
 tggcatatgg accctgagag aaagaacttt aattttttct cttggactgc aataaagtat 240
 agctgcctaa aatacgtttc ctgacacttg gaggtttgtc cacaatcggg aaaaaaggca 300

<210> 116
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 116
 aacagaatcc ctttttcctt tttttgttaa aagtactcat ccctaataatt acattgttct 60
 ggaaggactg aaaataacag aactcagcac catgatcgga ccgggacaaat cagattattt 120
 cattcctcag caaacggaga tcgatccgaa aagtggaaat atgagctctt ctttgggtgt 180
 ggcataatga ccctgagaga aagaacttta attttttctc ttggactgca ataaagtata 240
 gctgcctaaa atacgtttcc tgacacttgg aggtttgtcc acaatcgggt aaataaaggc 300

<210> 117
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 117
 caaaggccct ggggctcctt ctagctggag gaatgcaagg ctagcttgtc tggagcactg 60
 agaggatggc ctgaactgag tggagagaga cagaccagga ccaaaccatg cagagggtcaa 120
 gggccacatt caccttttca gagtgactca atcaaatttg tagtttgtaa aagtatttta 180
 acagctctgc ggcaaagtgc aaatgaaaag tcttgatggc atggactgga gcggggacag 240

tggggatgga gaaaggggaa tggattggtg gnnnnnnnnn nggtanatnc atgtgaac 298

<210> 118
<211> 300
<212> DNA
<213> Homo sapiens

<400> 118
cccgtcagat ggcagtggca ggaagtcggt ggaagcagat ccctgtgcag aagttgaatt 60
accagggcgg ccacacacgg gctgcacaac ctttgcagtc gtgcacggca agtgggatgt 120
ggcctccgcc catgattggg cacctgggtca ggctgggaga tccaaatagc acccagtggg 180
cagctgtccg acccctggag gggcaagcca ggaaagaaac ttagggcccg ctgtgaccag 240
atgtccctcc cagttgggaa gactaaactg gtttggccaa tatctcccag gattcccctg 300

<210> 119
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (300)
<223> n = A,T,C or G

<400> 119
gaaagcagat gtagtagaca tctactgttt ttgcctaaac agaatccctt tttccttttt 60
ttgtttaaag tactcatccc taatattaca ttgttctgga aggactgaaa ataacagaac 120
tcagaccat gatcggaccg ggacaatcag attatttcat tcctcagcaa acggagatcg 180
atccgaaaag tggaaatatg agctcttctt tgggtgttggc atatggaccc tgagacnaaa 240
gaaccttaat tttttctctt ggactgcaat aaagtatagc tgcctaaaat acgtttcctg 300

<210> 120
<211> 300
<212> DNA
<213> Homo sapiens

<400> 120
atttgagaca ctgggtttaa tgaaaatgga tataaggtat gtataactgg ggggtggggtg 60
agggtaggag gcatttaca ctcagatttt atttattttg aaattatcaa ttgtataaat 120
ctaatttatt accaaatagg gtctttttaa aaatattttt atcgttgaaa ccttgacagg 180
tacttcatat tcttctaata atttaaacag tccaataatg tggatatcac ttgacatcc 240
aagaactcac caagatgttt ttcagagatt tattctcgat ttaactatca tagcatttaa 300

<210> 121
<211> 300
<212> DNA
<213> Homo sapiens

<400> 121
ggagaactgc tcactccttt tccctcccca taaaaactca aagtcacctg ggccccaatt 60
cagagttatg ttttttttgg cacatactag aaaggcagtg cctcagccct tccctgaatc 120
catggagggtg ttctgtttgg ggcttttttag actgctgctg ctcagctggt tgcttgaact 180
gacagtaggc cagcctgttc tctgccattc cctagtcatc ctgtgcctca ccacagcttg 240
cttagagcaa gcctttttctc agaccttagg cacagcctct cctctttacc tgatcaatgt 300

<210> 122

<211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 122
 ctttagaaca tatcactact aagtatcagc ttatcttcag aacattacaa cattcacccgt 60
 gttcatatgc tttctgagaa gtcaccactt gtaatttcag atcacataca cctgaaggca 120
 ttttatagtt cctaaagtta acatgttaga tctttttttt ccaccccatg agggctctcac 180
 tctacccag gctggaatgn nnnnnntga ttgtagcaca ctttgccac caactcctgg 240
 gctcaagtga tctctctgct ttggcctcct ctgagaagct gggattactg gggcacacca 300

<210> 123
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 123
 cacctttcct ccagtttcca ataacacatt cctcttttcc acctgagacc tcaccagaat 60
 cacctttaat gtctatattc ctaccaatag tctttttaag gcaatatagg ctttctctaa 120
 catgcacttc aaacttcaag atggagggga tgccatacaa caggactatg tgatggtttt 180
 tggctgtgtc cataggaagt cacaacaggc aagggaaga aaccagaacc cagtcatgga 240
 gttaagaagt gtagtcagaga gtagatgggt agggacagtg aggtaaggcc tctttctaag 300

<210> 124
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 124
 ggaactatgc cctccctact cccatcattg ccaattaagt ctttttcct taaaaatcag 60
 ctaaaccatct tcccccttga tcccttagtt atgtactctc attcttcgtg tactccatgt 120
 gattcaatag cacagatact tcagtagcac ttaccataat tgccatgaaa taattgtgta 180
 gtttgcttaa tatttgtttc tcatattaga atgtaagctc catgagagct aggatcatgt 240
 ctgatttctt tgccattgta ttgcagtgcc taaaacaata ttttacaat ttaagtaatt 300

<210> 125
 <211> 276
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n = A,T,C or G

<400> 125
 accatttctg tacaacacaa gctggccttg gcagtttcgg tgcatagaaa atcaggtcct 60
 acagctcgag agggcagagc cacagtccct ggacggcgtg gactgaggcc ggatccttcc 120
 tggaggcctn nnnnnnnngg ggacccagn anctcatcat cancattgct ggagccaagg 180
 agtctgntac ccacgtnnnn tngnggatgc cegatgncng ntttggtntt nttgacntgt 240
 tnnctgntaa ntntttnng nttctantnn tctgat 276

<210> 126
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 126
 cctggcagtg ttgtcagctc aacctggtgg gttcagttct gtctgagggc ttctgctctc 60
 attcatttag tgctacgctg cacagttcta cactgtcaag ggaaaaggga gactaatgag 120
 gcttaactca aaacctgggc atggttttgg ttgccattcc ataggtttgg agagctctag 180
 atctcttttg tgctgggttc agtggctctt caggggacag gaaatgcctg tgtctggcca 240
 gtgtggttct ggagctttgg ggtaacagca ggatccatca gttagtaggg tgcattgtcag 300

<210> 127
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 127
 cataatcgca aagtgggaaca tgaagctcta ggcagtagtc tcctgactgg cccagagggga 60
 cttttggcca aagaacgaga gaacttaaag cgattaaaat gtctgcgacg ataccgccag 120
 cgctatggag tggaagcctt actgcatagg cagttgaagg aacggagaat gctggccaca 180
 gatggtgctg cccaacaggc ccataccact cgttccagtc agaggtgctt ggcctttgtg 240
 gatgatgttc gttgttccaa tcagtctctt ccaatgacca gacactgcct taccatatt 300

<210> 128
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 128
 aggtgcatag agttttgcct ataatcccaa cactttggga ggctgagatg gggagatcgc 60
 ttaaggccag gagttcgagg ccagcctagg caacatagca agaccccat ctctattaaa 120
 acaaacaac aaacaaaatg ttaaataaag gaagcagatg agtatgtgct aactaggctg 180
 gcatgtgtct ttgttggtga catggagcct ctgtcatccc ctacacagact gcatacgagg 240
 attgggtcat caccctctac aacgtgctgt acaccagcct gcccggtgctc ctcatggggc 300

<210> 129
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 129
 gaccaggtga gaccagctca agagttcatg ttctttgtca tcctcctgtg agctctctgt 60
 aagtctcttt cttgcccatc accacatccc tagtactggg tatcagtctg gccacttggc 120
 tttctggttt gccccaatgt ggtctattct tgatgcagct accaaagtaa tgttttaaaa 180
 ccattatacc aagttactat ccttgtcaaa acccccagta actgccaatc tcacttagaa 240
 taaaatccgg actcctgtga agcacagcat aaactggcca ctgcctatgc agcaacctca 300

<210> 130
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)

<223> n = A,T,C or G

<400> 130

gtcgaatgaa	tcctttgtcg	ccttttagctt	ttagtccttt	gaagagaggt	gagagtggaa	60
atcaagagat	ttttttccac	ggggaagttc	tttttataaa	gcgttgattt	ctcggcaccc	120
cgcggggagg	gcaactgaca	cggcctccgg	tgcaccttct	gcgtgtgga	gcctctgggg	180
ctcagctggn	nnnnntcgg	gtcgtgnggc	ggtagggcgg	gagcgnggga	agggaaaagc	240
naangctgga	aaagaagcag	ggcagttgng	aaccagacat	ccagacctcc	tgaagggctc	300

<210> 131

<211> 300

<212> DNA

<213> Homo sapiens

<400> 131

ctggactctg	agtcgtcttg	gtcccaggag	ccagtagtga	aggcaacagt	ctgcccacct	60
gtggacacca	gatcctggga	gtccttggtt	agcaagttag	atctctggga	tgtagtgag	120
gctgggtgaa	gaccagaggt	aaactgcaga	ggtcaccacc	cccaccatgt	cccaggtgat	180
gtccagccca	ctgctggcag	gaggccatgc	tgtcagcttg	gcgccttggt	atgagcccag	240
gaggaccctg	caccagcac	ccagcccag	cctgccacc	cagtgttctt	actacaccac	300

<210> 132

<211> 300

<212> DNA

<213> Homo sapiens

<400> 132

aaaacttttg	gccatttcag	aatttagaga	gtttaatgaa	tgtgcccttg	tttaagtata	60
aaagtacagt	tcaagtttgt	aactccatac	tttgtccaaa	gactggacgg	gaaaaaagaa	120
agtcaccgga	aaaccgggtc	ctgagaaagc	tcctcaaacc	agacatagaa	agagaaagac	180
ttaagaattg	cctgggctca	ccttgatcgt	aagttgacag	tgctggactg	gcagcaaagt	240
gaccgttgga	gtttaatgag	aggaatatac	tcatcatcag	tctatttaga	agagatttcc	300

<210> 133

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (294)

<223> n = A,T,C or G

<400> 133

tagggtaann	cngnannaaa	angngcanta	ngttnagacn	ngncnnnnnn	tnacnatnnn	60
ngantagaac	atntctatnn	ngnnnnnana	tnnnnnnnng	naaanagggt	tntatggnag	120
nacnctcnc	ncnnnnnatcc	attctcatca	gcactgtccc	aggatcctgg	agagggagaa	180
cccctggccc	caggggaaag	agggcggggt	ctcccgtttc	ctgtgcctgc	accagccctg	240
ccccattgc	gtctgcacac	ccctgcgtgt	aactgcattc	cataccaact	aata	294

<210> 134

<211> 300

<212> DNA

<213> Homo sapiens

<400> 134

ccaatggatg	caggaaaact	gagatgggat	ttccccacgt	tgcccaggct	ggctctcctga	60
gctcaaagca	atccagattg	ctgggattac	agctgtgagc	caccgtgcct	ggctgagatg	120
acttttaaaa	aaagacttct	ctaaagtaga	aggaaggggtg	gaattgtatg	cacaagaaga	180
aaaaaacctg	gaagaaaaac	atactaaaga	ggctggagtg	caatggcgcg	atcttggctc	240
accgcaacct	ccgctcccg	ggttcaagtg	attctcctgc	ctcagcctcc	caggtagctg	300

<210> 135

<211> 300

<212> DNA

<213> Homo sapiens

<400> 135

agactcttca	ttctatcacc	ctgtctcaca	aaagacttgc	ccaaggctac	gaagcaaggc	60
agtgcactaga	gtccagacat	cagaactagt	tccatgtttt	ttttttcact	accagtcctt	120
aggcccaaaa	ccgcagatcc	tgctgtgtga	ccattaagcc	cctgactgtt	ctaggctcaa	180
cttccaaccc	tttctgcagg	tcctattacc	tctgcctcat	cctcccaaca	tgataaccag	240
agtcttcctt	cacattgtac	tgcctacccc	cttatgttcc	caggctctcc	cttggtttta	300

<210> 136

<211> 300

<212> DNA

<213> Homo sapiens

<400> 136

gtgtgcttgt	gaaagtgtcc	aggcgtgtgc	acagccagtg	cgcccacttc	cgggctcctt	60
gctccctgct	gtactgaagt	tttggatttt	gcatccaate	ctgtgtgcct	gcccttctgc	120
cgaaggcttg	tgaggggcct	gagtcctctg	cccatcagga	tgacaggctc	cttcctgcag	180
ggccatagga	gggaagtgtt	ggaaacacag	aatgattcca	agggtctctc	gttcctgagg	240
gggactgggt	tgtaaccat	gacatctgtg	ggcgagagag	gcagctggga	gcaggacact	300

<210> 137

<211> 300

<212> DNA

<213> Homo sapiens

<400> 137

gctgcatctg	caatgaggat	gccaccctac	gctgcgctgg	ctgcgatggg	gacctcttct	60
gtgcccgtg	cttcgggtgg	gtgcagggtg	aatgttctgt	gcgagagctc	aagggtctgcc	120
tggatccctg	acttgtatcc	ctttgttcca	cagagagggc	catgatgcct	ttgagcttaa	180
agagcaccag	acatctgcct	actctcctcc	acgtgcaggc	caagagcact	gaagacaccc	240
tggtcctccc	ggaagggcag	tcccacaggc	agcggcaccc	atttctgggc	cccgccacag	300

<210> 138

<211> 300

<212> DNA

<213> Homo sapiens

<400> 138

gcagggcaga	gttctacctt	ctcaaaccce	ccagccggca	catcacacac	cggaggccag	60
gacccaagcc	cagcagacac	aggatctgct	aacgcagctg	gcagctgagg	tggtatcgga	120
tgaaagctgg	aaaggaggag	gcccagctgc	ctctctccag	aatgatctca	accaggggtg	180
cccagggagc	actaattcca	agaggcaggc	caactggtcc	ttggaggagg	agaagagcag	240
actgctggct	gaggcagcac	ttgagttgcy	ggaggagaac	acgaggcagg	aacggattct	300

<210> 139

<211> 300

<212> DNA

<213> Homo sapiens

<400> 139

aaaagatgag tgatTTTgtg tgggaaaagc cttcccaggc gtctgtaccg aaaggagcag	60
caaacaaggg gctaattccat gagcagtgtt ctgtaggctc tgtgacatct ttggTTtata	120
ggatTTtgga gcctTTtatg atctggaact atttgagggg tttcattata ggccttggtt	180
ctctccaggg gccagatgag tttattgtgg aatctTTgaa aggacaaggc ctctgtgaat	240
gaatcagtcc caggggaagca tttggtggtg gcggcagtgg aggattgccc ggtgaaccta	300

<210> 140

<211> 300

<212> DNA

<213> Homo sapiens

<400> 140

ctgctccgag tcaggcgcggt taaaaggcat tttacatatg ttacaaccgt gctctgaggt	60
gggtgtgtgc ttctTTtgcc cgaaaaggaa acagagaggt taagaactcc cccagagcca	120
catggacaga gctgggatcg aaccgaggct ccaagtccca gtgttctttc cagtacctca	180
tgcatagacc agcctTTtcc tcatcaggca gatcctgcag aactggcacc tgggttgac	240
tcagtggcct ctctgacgcc cgcctgtgt ggacctctcc acccctgcc ttggcagcag	300

<210> 141

<211> 300

<212> DNA

<213> Homo sapiens

<400> 141

gccacattct gaggaacatg tcatgttctg ggagggctaa ggcatacagt aaggcctgtg	60
gggtggagg atcccaggca aggtggggca atccagagcc atgggggctt cccatgggaa	120
ttgggaggtc ccaaggcaga gtcagaggtt ccacaggagg agtcagagag tcaccaaggg	180
ctctcctggc ccagggagca gtcaacacca tggactgaac acttgctggg ctccaaccct	240
tgggccaggc tgcccatgtg gggccaggag gcagctcaga gtgggaggca gagagagaag	300

<210> 142

<211> 300

<212> DNA

<213> Homo sapiens

<400> 142

ggagtgtgtt cctcttgacc ctggggctgc atctcctcgt tggtgacttc ctggggttca	60
gaccctgcc cctcctccat tttggggagc aagatctcat ctgtctctgg gacaggagga	120
cctgggttct gcactggtga ggctgagtgt ggggagcagg ctctgagccc ccagctcccc	180
gtgtccccctg ctccccagggt gtacagtgcc accaacgtgg agctggtgac acgcacacgc	240
acggagcacc tctctgatca ggacaagtgc aggagcaaag cggggaagac tccattccag	300

<210> 143

<211> 300

<212> DNA

<213> Homo sapiens

<400> 143

caagcgccca tggagctgcc cctggagcag gtgccccac cgagagtgat ggaaaagccc	60
gtcctcgcca cctccaggca tggccagcag cgagcggctg gctctgcagg agaagtgtg	120
ggtctgagct ccgtcacggc cgctcccag agcccagggt ccaagccaa cagcacttg	180
aataaatgat caagttatga attaaacaca agagaaatgt aattaccaca ggagccagct	240

gagaataaaa tggattacgc acatcacagt cattaaacgg tgatcacatg cgcctttcta 300

<210> 144
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (298)
<223> n = A,T,C or G

<400> 144
gccctgccca acctgctcca gggaccagtg gtcttgggaa gcttgggctg actgggattg 60
cagactccgg gtctgggtgta tagggccctt ggcaaatccc tattcctttc tgggcctcct 120
tgaagagaca gtgggctgag cttctaggct ccctttgatt cttctgtgtg tggcccagaa 180
tgggacagac agactgagct gggcacagaa ataccatagt gacagaacca ttcgaagacc 240
ctgccctgat ggaggccccg ggccagggga ggaggcnnnn nnnngctgtc natctgaa 298

<210> 145
<211> 300
<212> DNA
<213> Homo sapiens

<400> 145
gcgacacttc cgcctgcacg agttcttccg gggcggaggt caccatggca gctgccttgg 60
ctcggcttgg tctgcggcct gtcaaacagg ttcgggttca gttctgtccc ttcgagaaaa 120
acgtggaatc gacgaggtac gaaggggaag tgggtagaag cgggaagtgg tgcgccttcc 180
ttcagccggg gctttaagcc ctcagcttgg cgctcctctg tttttccacc gtaggacctt 240
cctgcagacg gtgagcagtg agaaggtccg ctccactaat ctcaactgct cagtgtattgc 300

<210> 146
<211> 300
<212> DNA
<213> Homo sapiens

<400> 146
aattgatgag ccttattaac tatcttttca ttatgagaca aaggttctga ttatgcctac 60
tgggtgaaat ttttgaatct agtcaagaag gaaaatttga tgaggaagga aggaatggat 120
atcttcagaa gggcttcgcc taagctggaa catggataga ttccattcta acataaagat 180
ctttaagtcc aaatatagat gagttgactg gtagatttgg tggtagttgc tttctcggga 240
tataagaagc aaaatcaact gctacaagta aagaggggat ggggaagggt ttgcacattt 300

<210> 147
<211> 300
<212> DNA
<213> Homo sapiens

<400> 147
tggtcttgta gtgtttgttg ctattgttag aaagattatt agtgatatgt ggggtgtctt 60
agctaaacaa cagacacatg taagaaaaca ccagtttgat catggagagc tggtttacca 120
tgcattgcaa ttgttagcat atacagccct tgggtatttta attatgagac taaaactctt 180
cttgacacca cacatgtgtg ttatggcatc actgatctgc tcaagacagc tatttgatg 240
gctcttttgc aaagtacatc ctggtgctat tgtgtttgct atattagcag caatgtcaat 300

<210> 148

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 148
 attttgccat gtggcagttg gtttgtggag ttgggcaggt gtgaaagggg aaaactccac 60
 ttctgaatgc tgcttctgcc ccctgggacc cagcacattg ttagaccatc ttcttgactg 120
 aaaattctct cctgatgctg agccctgcac caccaccttc cttttcctaa ctatgaattg 180
 atggc aaaagt ccactcaaaa caaccagtta agtgctcacg agagagtagt caagcacctc 240
 cagaaagaaa ccgggttttt gttcacatag caggaagtga ctccctgggt ggtaatttat 300

<210> 149
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 149
 ttcaccaata gaacatgtca cacacgaact ggaaactgat tctgtgggag acaagagtct 60
 atagtaaacy ttatgacaga ttctttgaat gcgctaactc cagactggac taaagttggg 120
 attaaattta atttgtactt gagttcagtg cattgctgtt ctgggcatag gaaatccagg 180
 ttgctggtga tgaacagctg aaaagagctg tgtcaccatg gttgtctctg tcagtcatgt 240
 gaccaccctt acccttgtaa aatcaagcaa gggagagatt attttctaata gtaaagaaaa 300

<210> 150
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 150
 gcaggagaat cacttgaacc ctggaggtgg cggttgcagt gagcacagat catgccactg 60
 cactccagcc tgggcaacaa aacgagactt cgtctcaaaa aaaaaaannn nnnnnnnnnn 120
 atcctttggg cgggttctcc caaattnttt tgagggggncc atgggcaacn gcttnagctt 180
 tgttttggca acccctgtcc cnaagncgca tataggctgt tcttnacctt gtttccaagg 240
 ctgaggaaca naaagtancc tntgttttga ggaggnggaa gttaagtatn cnttaatttt 300

<210> 151
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 151
 agaaattaag gcctctgggt tcaatttttg gcccagtggt tgacctctgt gtaagcctgg 60
 caggatgtct catttctggg tcaccttttc cttgccaaca tagtgaggtg tgtagaccaa 120
 atcattgcta agagccttct aactcctaag acactagggt tagtcagcca aaagcatgtg 180
 attttccagc atttcccaaa ctcttgttaa cctaattgaa agtacacaat gaacttgcaa 240
 gaatttaagc atccttagat gccagtcctc actttgggta ttttccagcc tcctcagtga 300

<210> 152
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 152

gcaaaataaa	tcatacagcag	ttggggccacc	tgaaaaagtg	agacggttta	ctctggatag	60
acttaagcaa	ctgggagtag	atgtttccat	taaaccacgg	ctagggtgctg	atgaagattc	120
ctttgtgata	cttgaacctg	aaaccaacag	agaactggaa	gccttgaagc	agcgtttctg	180
gaagcatgct	aatccagcag	ccaaacccag	ggctgggtcag	acagtgaatg	tgaacgtcat	240
agtgaagac	atgggcactg	atggaaagga	agagctaaaa	gcagatgtgg	tacctgtgac	300

<210> 153

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (293)

<223> n = A,T,C or G

<400> 153

gagcttcgga	agctgccagt	gccacaggga	cccaaccccg	tggtgggtggt	gctgcagcag	60
gtcttccagc	ttatccagaa	ggtgctgagc	aaatggttga	atgatgccca	ggttgnnnnn	120
nnngtgtgct	ctatctttga	taagtttgnt	nntanactgc	tgnatgactt	tnanntcatg	180
gtgcanaaat	gtgaaagatg	ctttgccaaa	tatgntaaat	antgcttggg	gccttgttnt	240
gaattttcnt	caatntnncc	atanatgatg	natctttann	gntcaccccta	ttc	293

<210> 154

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (270)

<223> n = A,T,C or G

<400> 154

tatcagacaa	tattttatta	ttttttcata	gatgttctgc	cacacaaaga	acttgggggtg	60
taaggataag	gcaaaagctc	caatccatt	attcagttct	cctaggatgc	acccctcagg	120
gagcctggcc	agagttccga	ggccnnnnnn	nnnnnnntgn	cncntgntcn	acnntgnnng	180
gctnccggcg	agccnngnct	gagnantncc	atgangctga	tagnannctg	antctgccgg	240
ngaacngtna	gganagagac	nttactcgga				270

<210> 155

<211> 300

<212> DNA

<213> Homo sapiens

<400> 155

ctgcccggtg	gagcgggtgc	ttctcacctt	ctgcaaccag	tatggtgccc	gcctctccct	60
gcgccagcca	ggcttggctg	aggctgtgtg	tgtgaagtcc	ctggaggatg	ccctggggca	120
gaagctgccc	agaaggcccc	agccagggcc	tggagagcag	ctcacagtct	tccagttctg	180
gagttttgtg	gaaaccttgg	acagccccac	catggaggcc	tacgtgactg	agaccgtgga	240
ggagggtgcta	ctggtgcgga	atctgaactc	ggatgatcag	gctgttgtgc	tgaaggccct	300

<210> 156

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 156

ttgattaaaa	acngcctcct	taacctctga	agactgattt	tgctttatca	tgtttcaata	60
ataacatttc	agaggttact	ctgtagcccc	agttgtaagc	ttataaaaac	aaactggaag	120
gctgaggagg	ttatgggctg	gcagccaggc	tatgtttaca	gctgctggag	atggcagtag	180
ccttatactt	tgagcaggta	gtacatccca	ggctgtgcta	gaggtagatt	tgttttttca	240
cgtttgatct	gtggctgggtg	gccacctttg	ttgatttggg	cttacgagtt	tcatagtagc	300

<210> 157

<211> 300

<212> DNA

<213> Homo sapiens

<400> 157

ggtggcttgg	tgtggatgca	ggttgctctc	aaggaggatc	tggatgccct	caaggaaaaa	60
tttcgaacaa	tggaatctaa	tcagaaaagc	tcattccaag	aaatccccaa	acttaatgaa	120
gaactactca	gcaagcaaaa	acaacttgag	aagattgaat	ctggagagat	gggtttgaac	180
aaagtctgga	taaacatcac	agaaatgaat	aagcagattt	ctctgttgac	ttctgcagtg	240
aaccacctca	aagccaatgt	taagtcagct	gcagacttga	ttagcctgcc	taccactgta	300

<210> 158

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (295)

<223> n = A,T,C or G

<400> 158

ggtgtccaca	ctgaagggcc	agctgcagca	ggagcttcga	aggagctcag	cacccttctc	60
cccaccctcc	ggccccccag	agaaatgagc	tcctgctggc	atctggagaa	caccctgtg	120
cctgggacag	gggaggaccc	ttcttttgga	cagccccccc	ccagagcccg	gtcccttgnn	180
nnnnntaagc	tgnnnnnnca	ctgggagact	ntgntantga	aatnctnnnc	ctnngctaata	240
ttantcntan	ncgngnggtn	tcttncctgn	nnccaagnca	ncncatgcat	gtttt	295

<210> 159

<211> 300

<212> DNA

<213> Homo sapiens

<400> 159

aagcccgccca	cccactgtgg	gactttctgg	tgggtccttc	agctcccacc	ccaggctggg	60
gccagattg	tgaggctctg	gtgcatgtgt	gtgtgtatgt	gtgtgtgcat	gcgtgtgtgt	120
gttgtgggga	tctggcctgg	cccttgggga	tggggctgct	ggggactgcc	ccccttcccg	180
ccgtggccag	gcgctctgtg	tgctgtgtgt	gccccaggct	ctgttgaccc	cgtccaggaa	240
ctaacttacc	cagcttggtc	tctcctgagt	cctccaccct	ggcctgggat	tggccaggga	300

<210> 160

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 160
 tgccctcagg cagccaaagc actttaaccc ctgcataggg agcagagggc ggtacggctt 60
 ctggattgtt tcaactgtgat tcctaggttt tttcgatgcc acgcagtgtg tgcttttgtg 120
 tatggaagca agtgtgggat gggctcttgc ctttctgggt agggagctgt ctaatccaag 180
 tcccaggctt ttggcagctt ctctgcaacc caccgtgggt cctggttggg agtggggagg 240
 gtcaggttgg ggaaagatgg ggtagagtgt agatggcttg gttccagagg tgagggggcc 300

<210> 161
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 161
 cccagctgga cctggtggcc ctttcctagt gcctctgctg ggggaggaga gcctgtgtgc 60
 acgtggaggc taggaggtct cagggtgctg cctggcagca ccagagtgtg ggccggggccc 120
 gagtgtctgc ccctcgcccc tcagggtggg gcacttagca cccagaaggg accaaaagca 180
 gggcatggcg gtgcagagga gtttgggagg tgtaaacagc cccatgcacg tggaggagga 240
 gctggctttc agccccagac cccacgctag cactttccac gctgcttgcc cgctgatgat 300

<210> 162
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 162
 gtccttgtcc agcctccaag acccacaagt cccttcctct gggaagcccc cctggcctgg 60
 aggtgcacca ggaagaagtg gtctggggct ggcactaagc catggcccag ggaagactgg 120
 gggaccact aggccaggat gagacctgca cgcagtggct cacagcagca cgatttgtga 180
 cagcccaggg cggagaacac cgaacaccca gtgaagggtga ggggatcagc acggcgcggc 240
 caccacgcga cccacgcgct ggaatgagac tcagccacaa ggaggtgcga agctctgacc 300

<210> 163
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 163
 ctgacggagg ctttctgtgc tgtggtgatg gggattgagt tgggggcaag ggtccctgcc 60
 tagactgttg acgtcccctg ggaaggggac ccaaggatga attggctgtg aaggatcctc 120
 cctgagactg gcaagggagg aggtctgagca gaaggagtca tcatggagga gcggtgagaa 180
 catggaaccg gactccaaga tgacgatcta aagaccggg agcgagaagc caaggccagg 240
 ttctgggtgt agggcccaga gaagcagaac agcccagagc cccaggtgcc tggcctggcc 300

<210> 164
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 164
 aggcagcagg tgaagaggca gggcccctga cggaggcttt gctggctgtg gtgatgggga 60
 ttgagttggg ggcaagggtc cctgcctaga ctgttgacgt cccctgggaa ggggacccaa 120
 ggatgaattg gctgtgaagg atcctccctg agactggcaa gggaggaggc tgagcagaag 180

gagtcacatcat ggaggagcgg tgagaacatg gaaccggact ccaagatgac gatctaaaga 240
 cccgggagcg agaaagccaa ggccagggttc tgggtgtagg gccagagaa gcagaacagc 300

<210> 165
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 165
 agacaaagaa aaggtggcaa tcatagaaga gttagtagta ggttatgaaa cctctctaaa 60
 aagctgccgg ttattttaacc ccaatgatga tggaaaggag gaaccaccaa ccacattact 120
 ttgggtccag tactacttgg cacaacatta tgacaaaatt ggtcagccat ctattgcttt 180
 ggagtacata aatactgcta ttgaaagtac acctacatta atagaactct ttctcgtgaa 240
 agctaaaatc tataagcatg ctggaaatat taaagaagct gcaaggtgga tggatgagggc 300

<210> 166
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(286)
 <223> n = A,T,C or G

<400> 166
 cttgacttcc aactgccct gagatttgac ctccagtata aggggcaggc ggggtgccctg 60
 gagcgtccag tcctcattca ccgagcagtg ctcggttctg tggaaagact gttgggagtg 120
 ctggcagaaa gctgcggggg gaaatggcca ctgtggctgt ccccgttcca ggtggtggtc 180
 atccctgnnn nnnnnnnnna agaggaatac gccaaagagg ctgagcanat gcctgcgggc 240
 tgcaggactg gncantgacc tggatgctnt antctggact gatcct 286

<210> 167
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 167
 ggattctttc actgagcaca aagagttggt ggggcttttag catctgactg atttttttac 60
 ggggttgatt ctgaccatag gaagtatgca atgtgaatca ctattttacag agaaacctac 120
 aacagatgct tgatgttgta gaaactggga catatagata ccaagcaaaa ttataagaaa 180
 cctataaggt gttcaatacg cttgtgtttc caaaattcac tgtacatgat cagtttggtg 240
 ttcttgtacc acagttttta actgaaggaa ccagttgtaa cagtctcaat tttaactaaa 300

<210> 168
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 168
 caaggctgca gtaagctacg atcacaccac tgcactctgg cctgcatgca ctctggcctg 60
 catggcagaa caagaccctg tctctaaaaa aagagaaaga aatcaaaacta atcatgctgc 120
 tcatggattt ttccaataaa tttcttgttt tggcaggaag aaatgaacac tggatttaga 180
 cttaaagatt aaatttcctc aaacatgtcc tatctgtagt agttcaacta gacacctttt 240
 aaagtgcctc taaattcatc agatggccaa actgtattta taatccactt aggcattttg 300

<210> 169
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 169
 gcaagccagg agtgctggca caggcctgtg gtcgcagcta ctggggaggc tgaggccgga 60
 ggatcgcttg agcccaggag gtcaaggcta cagtgaagccg tgatcatgcc actgcactcc 120
 agcctgggtg acagagcgag accctgtctc ttaacaacaa aacccatgag cggcagcccc 180
 ccagtccctg atggtggtaa agaatcctca agatcaaacc cacgcagtgc tgagagcttg 240
 gcctgattct agggctgggg ctggagaaac tgctagagat gatgccgata gccagtgtga 300

<210> 170
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 170
 caagagagag tgatagaatt ggcagtgaat tatacgaacc accctcctgc cctctgggtt 60
 cacaatacgt gtacacttga ctgtgaagtg gctgtgagag tgggtggaga gttcttcttt 120
 gaccctcagc ctgcggatgc ctctagaaac ctctgtgtga ttgcaggagg agtcggaatt 180
 aaccctctgc tttccatcct gcggcacgca gcagatctcc tcagagagca ggcaaacaaa 240
 agaatggat atgagatagg aacaataaaa ctattctaca gtgcaaaaaa taccagcgaa 300

<210> 171
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 171
 ttgacagccc cccctaggtg gaccnttaa ngatttgnt tttcccctgg gcanccaacc 60
 tgcccanag gcnccagacc tgggntttca gctttgggnc caggctgccc aaaggnactc 120
 cnttatacnc cegtcncctt ncncgaaana nggnncttnc caagcaagcc cctangattt 180
 gtccctatan anggaaangt gtggcangcn catgagttna aattntttta ngcnattctt 240
 ataataaaaa tctgaagga aaaaaatgtt ttagttcttt cccactcgt tgggttcaac 300

<210> 172
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 172
 cctagtccca gagtccctga gcggcatact ggggggtggct gtgcagtccc agcatcccca 60
 acccagcatg tatagagagc atccatcctt acatccagct gacctatgcc catgctcctc 120
 cctgtggctg gaggttcaac aataacataa gtctcttctt tgccctccag atatttctcc 180
 ctgcagtggc tgggaaactt ggcaagagac cagaggaccc aaatgcagac cttcaagtg 240
 aggccaaggc aatggctgtg ccctatcttc tgagaagaaa gttcagtaat tcctgaaaa 300

<210> 173
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 173

cggtgctaattg	gaaaaattgt	tagtaaaaat	aggttcattgc	agtcttattg	atcatgcttg	60
taattctgaa	gattccactt	gtactttttg	taaccatatt	tctcttctct	tccattctct	120
agtttgtgaga	aaacccagtt	gtccaataat	tgtcaagctt	tcctcggcct	tagggaatga	180
gcactcaaga	cctttctggg	ccaagtgtgg	tcgcccactc	ctgtaatcct	agcacttttg	240
gagggccgagg	agggagagct	gcttgagcct	aggagttcaa	gactagcctg	agcaacagca	300

<210> 174

<211> 300

<212> DNA

<213> Homo sapiens

<400> 174

ggaaagagaa	gcatgcaaca	attagatccc	tcaccagctc	gaaaactggt	gaagcttcag	60
ctacagaacc	cacctgccat	acatggatct	ggatctggat	cttgtcagtg	actttatgag	120
agtttctgcc	acaaggtgcc	caagaggaga	ggaatgggaa	gagtgcacca	gcacgtggtg	180
actgcgtgat	ttctgctcgt	tgcccttgaa	gataactggc	aggactgact	gtagaacact	240
ttgacttttt	tcaaaaagtg	atggaatttg	tacatccaaa	tgaatattgt	atagacaatt	300

<210> 175

<211> 300

<212> DNA

<213> Homo sapiens

<400> 175

ctggaaacca	tttaccagaa	agtgacgggc	aaggagctga	gatacagagg	cctgatgggc	60
aaacccagca	tcctcactta	ccagtatgcc	gaggacctga	tcaggcgaca	ggcggagagg	120
cggggctggg	cgcgcccat	ccggaagctc	tatgctgtgg	gtgataacct	tatgtctgac	180
gtatacggcg	ccaacctgtt	ccaccagtac	ctgcagaagg	caacgcata	tggggcgcca	240
gaactagggg	cggggggcac	acggcgagca	cagccctcag	caagccagag	ctgcatctcc	300

<210> 176

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 176

cgaaagccca	tttcaagctt	tgtgctgcct	cttgatctac	ctctttgtcc	aggtggnggc	60
gctttgcctg	gaggatttgc	atgcgtttat	tgccgaggcc	ttgtgcctcc	aaggaaaatc	120
cacctcgag	cttgtaaata	tacagcctga	ttacatcaac	cccagagccg	tgcagctggg	180
ctcccttctc	gtccgcggcc	tcaccactct	ggttttagtc	aacagcgcat	gtggcttccc	240
ctggaagacg	agtgatttca	tgccctggaa	tgtatttgac	gggaagcttt	ttcatcagaa	300

<210> 177

<211> 300

<212> DNA

<213> Homo sapiens

<400> 177

accctctctg	gccacatgga	ggcagtttcc	tcagtctctgt	ggtcagatgc	tgaagaaatc	60
tgcagtgcac	cttgggacca	tacaattaga	gtgtgggatg	ttgagtctgg	cagtcttaag	120
tcaactttga	caggaaataa	agtgtttaat	tgtatttctc	attctccact	ttgtaaacgt	180
ttagcatctg	gaagcacaga	taggcatatc	agactgtggg	atccccgaac	taaagatggc	240
tctttggtgt	cgctgtccct	aacgtcacat	actggttggg	tgacatcagt	aaaatggtct	300

<210> 178
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 178						
actgctcctt	cattcccaag	aagaaaagac	aagtactgct	acttccaaaa	ctcagacaacg	60
acttgaaggc	gaagtgactc	ctaattcctt	gtcaaccagc	tacaagacag	tgctattgcc	120
attaagctct	ccaaacataa	agctgaatct	cactagccct	aaaagggggtc	agaaaagaga	180
agaaggggtg	aaggaagttg	tacgaagggtc	aaagaaattg	tctgttccag	cctcagtggc	240
gtcggaggat	aatgggaaga	ggaggatgcn	ncatcnctgc	nntacaggat	gttactgg	298

<210> 179
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 179						
gcaaggttgt	gacattgtca	cttttttgtt	ctagactctt	ttaaattttc	tgcatattgcc	60
tgaaaagcac	ccctgtaaga	atagatttct	catggctcta	aaaattattc	ccaagaatac	120
cttacttggc	tcaaaagcag	actgtttctc	ttcatttcat	ctcaaatacag	acttctgggc	180
aagatgttct	ttagagtaag	caaacctaca	acctaaaaat	ctcttcaaga	ggcatctctg	240
gtcttgtgac	aagacctctt	caaaaaccca	cagtaaaact	cccctccctc	cagttggcca	300

<210> 180
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 180						
attacttaga	agcttataac	gaaagctaaa	aagcaatttt	aataggttca	gtaaagccaa	60
ctaccacata	gattttactt	aatatgtata	agaatacaag	ataaaagatc	tttagacact	120
ttacaaaact	gccaaacttg	ctaaagaaga	tgaacctgat	aaacagccac	aggtacacag	180
cctgtacact	gaaatgtacg	tgggaaagca	cagtgcgaaga	atttcttgag	ctgtcctgag	240
ggttatgtta	accagagctt	ctcaacctca	ctacatatct	aaatggcccg	ggagcttttc	300

<210> 181
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 181						
cttctaaatg	tctctctccc	cacttgTTTT	attattactg	tttttttctc	tctttaatgt	60
ttttttttat	agagacatgg	tctcactatg	ttgcttgggc	tgatctcaga	ctcctgggct	120
caagtgatcc	tcttgctcca	gcctcccaaa	gtgctgggat	tataggcgtg	agccattgag	180

cctggctctg ttactggttt tctaacctga gttacttagg atcatatttt cattcttttt 240
 taaaaagatg ggagttttct gaacttttcc ttaactaaaa agttggaatg catcttaata 300

<210> 182
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 182
 gtacggtttt gttgaaccat atcctgacaa cacagatgac acagctgaca ttcagatggg 60
 gacagtctgt gaggcagcat tacagggaac aaaaactgaa gctgaaaggc acctagtgtg 120
 cgagcgtctg gatttcctat gcaaactgga gatggtaggg gaagagggag cctttgtgat 180
 agggannnnn nnnngctgac tgaagaggag ctgaccacca cactaaaggc actgtgcatg 240
 cctgctgagg agttcagaga gcttaaagac caggatggag ggggagatga taaaagggaa 300

<210> 183
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 183
 gtctaatttt ttccattttt ctctcctctt tctcaagtct tctttttgat tttacttttg 60
 cttttcctgc agttccttct ttatcatgta tgtgtctttt ggaactcttt ctgtcagtgg 120
 taaagtctgt agagtttcca gactgaagac tcagctctaa gcaaggtttc acttgcgctt 180
 caagattttc ctgatacaaa gacttttcca tgtaactttc atcactnnnn nnnnnngntn 240
 tgtaaactct tttgatnttt gattnntccc ancatataaa nmntctntan nncctcct 298

<210> 184
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 184
 gaacagacaa gttctgtccc agcctctgct acctctaacc ccatggcatt ctatcctttt 60
 ctacactggg ctccatttcc ttaccccaac aatgatctgt tcttccaggc gctgtcattt 120
 aatttcccag acacttgacc tccttctgat ttgtgtactc cctccaaggc tgagttgcag 180
 tgagtgcaca taatctgtgc taattactta tcttgccaga agactcaaag ggtttatggc 240
 ttttactaac tgaactctat gctagatggt agggataaat ggtaaacagg acacagttct 300

<210> 185
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 185
 aaggccttag gctttttttt tgtaggggtga gaggggggga gagatctctt gctctgttgc 60

ccaggctggt	ctccagctcc	tggcctccgg	cagtcctccc	acctcagcct	cccagagtac	120
taggattatg	ggcatgagcc	accacaccta	gccaggcttt	ttatattgag	ttgggtatat	180
atgcttcata	gccacacttt	ataatattgg	agtatagtat	taaattacag	cttgttgta	240
agtcagtgtt	tctgtaagac	agtatatcca	atattgggta	gagtaacacc	tatttgggtga	300

<210> 186

<211> 300

<212> DNA

<213> Homo sapiens

<400> 186

aaaacttta	gaaaaccaat	gtttggggcc	aagcaatggg	gagcttggcc	gacctcattt	60
ttttagtgt	tttgaactca	atctttaaaa	tcctggaaga	gaaggaaaaa	aaggggtgtat	120
attcgtgtaa	tgacatccag	atctcactgt	tctcttggct	cctagtgtatg	ggggaaaaaa	180
ggtgcgcccc	gggttgaccc	ttcagtaaca	cctgcagcca	tgcatcatga	cctccagggtg	240
ttcagaggcc	ctgcccattgt	gacacgtgcc	tggtacttcc	catacatgtg	cctctttaat	300

<210> 187

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(275)

<223> n = A,T,C or G

<400> 187

aannatnna	tatnttannn	aacnnnaacn	naccnannnn	nnntannngaa	nntaanaatn	60
aangnacmnt	aangannnnn	nntgaanacn	tncannnaaa	tcnctaaaaa	ngnggtanat	120
gacttcccc	gctccgcatt	ttgtaaaatg	gcccctgggg	gagtgttttt	gctggatctg	180
ctccccctcg	ctctctcact	ccactacttt	ttggaacaaa	gtgatggcag	aatgcggtgg	240
tggtgggggt	cttttgtact	gttggtattaa	taaaa			275

<210> 188

<211> 300

<212> DNA

<213> Homo sapiens

<400> 188

cctcctgtcg	gggaggcaag	gtggtttttg	accagacagg	cgtgtctaag	ggttatgggt	60
ttgtgaaatt	cacagatgaa	ctggaacaga	agcgagccct	gacggagtgc	cagggagcag	120
tgggactggg	gtctaagcct	gtgcggctga	gcgtggcaat	ccctaaagcg	agccgtgtaa	180
agccagtggg	atatagtcag	atgtacagtt	atagctacaa	ccagtattat	cagcagtacc	240
agaactacta	tgctcagtgg	ggctatgacc	agaacacagg	cagctacagc	tacagttacc	300

<210> 189

<211> 300

<212> DNA

<213> Homo sapiens

<400> 189

gaacaagcac	agcccaagcc	agatgtacag	cacacacagc	atcccatggg	ggccaaagac	60
aggcagcttc	ctaccttaat	ggcacagccc	ccgcaaaactg	tagtacaggt	gcttgcaagt	120
aaaaccacgc	agcagctccc	taaaactgcag	cagggtccga	accaaccaa	aatctacgtg	180
caaccccaaa	ccccccagag	ccaaatgtcg	ctcccagctt	cttcagagaa	acagacggca	240

agccaggtgg agcagccaat tataacccaa ggatcctctg ttacaaagat aacttttgag 300

<210> 190
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 190
 cgaaagccca tttcaagctt tgtgctgcct cttgatctac ctctttgtcc aggtggatac 60
 gctttgcctg gaggatttgc atgcgtttat tgcgcaggcc ttgtgcctcc aaggaaaatc 120
 cacctcgag cttgtaaatc tacagcctga ttacatcaac cccagagccg tgcagctggg 180
 ctcccttctc gtccgcggcc tcaccactct gggttttagtc aacagcgcac gtggcttccc 240
 ctggaagacg agtgatttca tgccttgga tgtatttgac gggaagcttt ttcacagaa 300

<210> 191
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 191
 gaggatctgc cttctgagga agtggatcaa gagctgattg aagacagtca gtgggaagaa 60
 atactgaagc aacctgccc atcgcagtac agtgctatta aagaagaaga tctcgtgggc 120
 tgggttgatc ctctggatgg aaccaaggaa tataccgaag gtcttcttga caatgtaaca 180
 gttcttattg gaattgctta tgaaggaaaa gccatagcag gagttattaa ccagccatat 240
 tacaactatg aggcaggacc agatgctgtg ttggggagga caatctgggg agtttttaggt 300

<210> 192
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 192
 gatctgcctt ctgaggaagt ggatcaagag ctgattgaag acagtcagtg ggaagaaata 60
 ctgaagcaac catgcccac gcagtacagt gctattaaag aagaagatct cgtggctctg 120
 gttgatcctc tggatggaac caaggaatat accgaaggct ttcttgacaa tgtaacagtt 180
 cttattggaa ttgcttatga aggaaaagcc atagcaggag ttattaacca gccatattac 240
 aactatgagg caggaccaga tgctgtgttg gggaggacaa tctggggagt tttaggttta 300

<210> 193
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 193
 ggctctgacc ctgcaggact gggcagccca gcggtgcacc atctcctacc gagccccaga 60
 gctcttctct gtgcagagtc actgtgtcat cgatgagcgg actgatgtct ggtccctagg 120
 ctgctgtcta tatgccatga tgtttgggga aggcccttat gacatggtgt tccaaaaggg 180
 tgacagtgtg gcccttgctg tgcagaacca actcagcatc ccacaaagcc ccaggcattc 240
 ttcagcattg cggcagctcc tgaactcgat gatgaccgtg gaccgcacac agcgtcctca 300

<210> 194
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 194

gaagaataact gtgaattcta tgactttatc aaaatccagc cacatccagg agcttgagct	60
tggtgaccaa atgaatgatg acatagagta gttcagatct atcatgtgct cttctatcta	120
atcagtcaat atttccttgg ccctcaagcc aacattcatt ttttatgtat aaccttcttc	180
atgattttga aattttgata gggtaactgc taatgagttc acaaatgtag cactttaaaa	240
ggaaaataaa tggagagtga aaacaacttg gctacgtata attgtgggtt ttaatttttc	300

<210> 195

<211> 300

<212> DNA

<213> Homo sapiens

<400> 195

ggtgagcaat atgaatataa tgccaagtac tgataaaata cggaattcat ttagaatcaa	60
cataggtaga cagactgttt ttagtaaggt tttgtttttt ggtgaatacc atgtttgggc	120
tgtcagactt acttttcccc tgagatccat attttgtaca tgacatacca gatatatgca	180
atatgaaacg gaaacagttt ttcaatctaa tatccaggag tttgtgttaa tatcttgtga	240
acttgtggct cttggtatct ggcattgata aggctgtcta ctaatcctag agaaaggga	300

<210> 196

<211> 300

<212> DNA

<213> Homo sapiens

<400> 196

ttgagaacct gcctctatcc cagaatgtgc tggagatttg acactcaaat cagtgttttag	60
tcttctgctt ggcacccatag cttaacctgc agtttcttca aaatgccaa tgccttggtt	120
cctattacct tagattgcaa accagtctag ggaagtctat gagaaagtag catttaatta	180
aagtttaaaa aaaaaaagggt tgggcgttgt ggctcatgcc tgtaatcca gcactttggg	240
aggctgagggc ggggtggatca ctaggtcagg agttcaagac cagcctggcc aacatgggtga	300

<210> 197

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (264)

<223> n = A,T,C or G

<400> 197

ctaaaggcag cccccaagtc ccagaaagct gactccccta gcatcgacta cgcagagctg	60
ctgcagcact ttgagaaggt ccagaacaag cacctggaag tgcggcacca gcggagcggg	120
cgtggggacc acctggaccg gagggttgtc ctctgacagg cctggcacgg aggagggccn	180
anncgannng ntncatgant nntnntgnt gnnngcnntn cngatgannn nntngganna	240
ngnngntnnn actngntggn nctg	264

<210> 198

<211> 300

<212> DNA

<213> Homo sapiens

<400> 198

cactcatttg gaagagttag ttttgtgagc acaaagtatt aagggccaag actggggctg	60
cacatgagca attatggggg ggagttgaga aaaaaaagtg tagcctgatg gaggtctctg	120
gaatagaaca agccttgccc atgcaggctt ccgagcagcc ctgggtgggg ttgtggggag	180

ccccccagcg gcttgtggca gccttcagct ctgcaggagc ccgtggggtc tagagtcacc 240
 gccctctgtg aactggaagc tgctctaata ctgtgcacgt tttgatgtca caactatatt 300

<210> 199
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 199
 cctagaattt gtggagctgg gttgtatcat aggaaatgca agctgtgctg gtgttcacag 60
 ctagagagga gaatgggttg atgtgcacct ggctctgcag gaagcccatc tcagggttatt 120
 gctgaggata agaagctggc actggaatgg ttggaaggc tgtaagagct ccacatgcca 180
 cctggccctt tttgggtatg tgggtgccag acctgagctg ctatttagtc tgacaaagat 240
 agagggattt tttttcttcc ccctttgggc aacctgcccc tgtattgtac agaggaaggc 300

<210> 200
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 200
 gagagggttca cagccaccaa gaagaagttt gcgtgaagtt ctccaggact atggaaacct 60
 tacaggatac tgacttagaa cctctgttgg aatgtggctg agtcaaagcc tcctgttggt 120
 gttaggggta tctacagtaa ggagatgata cttcaggaga ttatatttca ctcaatgatc 180
 ttttctcatt tcagggtctt tctcaaataa gctaaaagaa aaaggatcag gagacaggaa 240
 aagtcttcgc ttttgagtca tgagtagggc aatagacaag gttctcttca aaaccatcat 300

<210> 201
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 201
 gcctggaccg ctcattcgga ctctcgggc agagcttttg tgctgccttg caccaggaac 60
 tcagagaata ctatcgattg ctctctgttt tacattctca gctacaacta gaggatgacc 120
 aggggtgtgaa tttgggactt gagagtagtt taacacttcg gcgcctcctg gtttggacct 180
 atgatcccaa aatacgactg aagacccttg cggccctagt ggaccactgc caaggaagga 240
 aaggaggtga gctggcctca gctgtccacg cctacacaaa aacaggagac ccgtacatgc 300

<210> 202
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 202
 aaatatgcta cttagaaatt aaggcctctg ggttcaattt ttggccccag tgttgacctc 60
 tgtgtaagcc tggcaggatg tctcatttct gggtcacctt ttccttgcca acatagttag 120
 gtatgtagac caaatcattg ctaagagcct tctaacttta agactctagg tttagtcagc 180
 caaaagcatg tgattttccc agatttccca aactccttgt acctaattga aagtacacaa 240
 tgaacttgca agaatttaag catccttaga tgccagtctt cactttgggt attttcctgc 300

<210> 203
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 203

aattagtgga	gtgatctctg	aagacctagg	gctatgatct	ggagctgctg	tggtctgaaat	60
ttggggcctc	tgaagtggca	tggagattga	ggtccagaga	gcctgagatc	ttgagggctg	120
acatttgag	agatggggc	gagggttgtc	tttgggcctt	gactgctttg	ggcctttctc	180
actctcattc	ccgggatgct	ttgccagaat	ctctgctgga	ttggccgtaa	ccctgtcccc	240
gagcgggctc	acagggctctg	aaggccacgc	atgaggcaaa	ggtaaagttc	tgagccaccc	300

<210> 204

<211> 300

<212> DNA

<213> Homo sapiens

<400> 204

cccggataaa	atatcaatta	tgaagaggat	atctgaatat	gcagctgaca	ttttctatag	60
tagattgga	ggaggtccaa	gactaactgt	gaaagccctg	tgtaaggaaat	gtgtagtaga	120
acgtttgcg	atattgcgtc	tgaagaacca	actaaatgaa	gattataaaa	ctgttaataa	180
tctgctgaaa	gcagcagtaa	agggcgatgg	attttgggtg	gggaagtcct	ccttgcgag	240
ttggcgccag	ctagctcttg	aacagctgga	tgagcaagat	ggtgatgcag	aacaaagcaa	300

<210> 205

<211> 300

<212> DNA

<213> Homo sapiens

<400> 205

cacaagcaac	tttgcttttag	aatctagaat	tcctttgcag	gcagagaagt	ctctacctcc	60
cagtgtttcc	tagctaagaa	cgtaaatgtg	aggagggaaa	tgtacttgca	gaggtttcat	120
aattatttac	ttataaaaat	agtcttcata	gccgggcgcg	gtggctcacg	cctgtaatcc	180
cagcactttg	ggaggccgag	gtgggtggat	cacaaggtca	ggagtccgag	accatcctgg	240
ctaacacagt	gaaaccccg	ctctactaaa	aatacaaaaa	attagccggg	cgtgggtggca	300

<210> 206

<211> 300

<212> DNA

<213> Homo sapiens

<400> 206

ggccaaagag	gtgctacatg	cattgaaaga	aaaggttact	tcactacctg	acaaccataa	60
aaatgccctt	gctgctaaca	tagatgaaat	tgtatttaca	tcaacaggag	acatctccat	120
ttactatgat	gagaaaggaa	ggaagtgtgt	taacatcctg	atgtgctttt	ggtatctaac	180
cagtgccaac	atccccagtg	aaactttaag	aggagccagt	gtattccagg	ttaagttggg	240
gaatcagaat	gtggaaacta	aacaacttct	tagtgcaagc	tatgagtttc	agagggagtt	300

<210> 207

<211> 300

<212> DNA

<213> Homo sapiens

<400> 207

gaaatcagta	gccccagaga	tacctggcaa	tagctttttg	agaatctgga	atacagttag	60
cactcaaaca	ttttagaat	gaagggcagt	agaattatca	tttctcctcc	tgtctaataa	120
ctgtgacaag	ggagtggccg	gtgacttttt	ttggtagagc	tttttcaaga	aaaagtttag	180
tcctacggac	agttcggtag	ttattctact	tcagacactg	ggcatgtttc	atgttcttca	240
aaaagcccag	ttatactttg	gttttttggt	gtttgagacg	gagttttgct	cttattgcct	300

<210> 208

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 208
 ctgctataaaa agtatgattg tcgtcattac agtgattgct gattgagggc ttgctcagca 60
 cctttctggg ggctcaacga atgttctgtg atgttgagtt caccacccta taccctggga 120
 gagagatagt gtgtttccat ttcacaggtc agcagactcg agcacagaga ggtgaggtaa 180
 cacagcctgg caggagtggg gttgggattc aaggcctggg ctgaatgggt gtgctctcac 240
 attgcagttg cactccaagg gacccttgca aggtgctaac agatgtgaat gccttttgga 300

<210> 209
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 209
 catttgtaaa gctgcaggga aagagggtcc acttcccagc aaccccatcc taatggctta 60
 tggcagtatc tcaccttcag cttatgtatt agagattttt aaagggatca agtcgagtga 120
 gctggaagaa tctctacttg tgetgccttt ctcttatgtc ccagacattc ttaaactctt 180
 taacgaattc attcagctgg gctctgatgt tgaacttata tgccgggtgcc tcttcttctt 240
 ccttaggatt cactttggac agatcactag caatcaaata cttgtgccag tgatagaaaa 300

<210> 210
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 210
 ttcatcttct gctccaaagg tggtagcaag aggagtaccc agttaggggt tggagccccc 60
 atataacatc ttctgtcag aagactgatg gatctttttc attccaacca tctccctttc 120
 ccccgatgaa tgcaataaaa ctctgtgaca ccagcaacca ttgctcttta gaaatggggt 180
 ttctgatcat atggctgatg tgttatgggc agtatggatg tcttcatttg ttgcttctgt 240
 ttttcatctt ttttgtttta ttaataaaaa tttatgtatt tgctcctgtt actataataa 300

<210> 211
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 211
 gttacatcaa gagataaata gagtgaagca gaactagtgg tgcggaccag ctgccagca 60
 acagaaggggt ttgtagtccg cctggcagtg gacagggagg ttggctagaa ctattacctt 120
 aggtccgtga taatatccct gaatccaact tttcagaaag aaataggtaa catatttttc 180
 accaggaagc ttcaccaga cactgaacag aatggctctca gtgcactaat ggaggctcag 240
 ttaaagggtt gtggtagcac aaggaagaga cattctgact tggaaatttg gagaaggctt 300

<210> 212
 <211> 262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(262)
 <223> n = A,T,C or G

<400> 212

gtccaatagc	tgtgaagctg	gcagcccttc	caagcctggg	cagatcctaa	aaagacagca	60
ggcagagggc	gcagggctta	tggcctggcc	ggagttggga	ggtgaagcag	agggcacagg	120
gcttatggcc	tggccggagg	tgggaggtga	agcagagggc	gcggggctta	tggcctgtct	180
ggaggtggga	ggtgaagcnn	nnnnnnngag	gangttncnt	ntgnatnnnn	ntnntnanna	240
nanantnnnt	ntnnnannnc	tt				262

<210> 213

<211> 300

<212> DNA

<213> Homo sapiens

<400> 213

agcactggat	gaaaacaagg	atggcaaggt	caacatcgac	gacctcgtca	aggtgattga	60
gctggtggac	aaagaagatg	ttcacatctc	caccagccag	gtggctgaga	ttgtagcaac	120
actggaaaaa	gaggagaagg	tggaggagaa	ggagaaggcc	aaagagaagg	cagagaagga	180
ggtcgagag	gtgaagagct	agaaccactg	gcctggggcac	ctgtcctcct	gctgtgccgt	240
caccctggca	agggcgtga	gggcgattgc	tttgtggtga	ttctcagtgg	ctcatctaata	300

<210> 214

<211> 300

<212> DNA

<213> Homo sapiens

<400> 214

cttttctgga	gggagacacc	catctcctgc	ccttggacat	caggactcca	ggttcttcgg	60
cctttggact	caggcttgcc	acagaggcct	cccagggctc	tcggccagtc	agcctcagaa	120
tgagagttac	accactggct	tccttggttc	aaccaccttc	ttacctggac	tgagcctcac	180
ttacagcttc	tctaggtctc	cagcttgacg	acagcctatg	ggaggacttc	tcagcctcca	240
taagtgtgtg	ggccagttcg	cctaataaat	cccctctcct	ggccggggcg	ggtagctctc	300

<210> 215

<211> 300

<212> DNA

<213> Homo sapiens

<400> 215

cctgacggag	gctttgctgg	ctgtggtgat	ggggattgag	ttgggggcaa	gggtccctgc	60
ctagactgtt	gacgtcccct	gggaagggga	cccaaggatg	aattggctgt	gaaggatcct	120
ccctgagact	ggcaagggag	gaggctgagc	agaaggagtc	atcatggagg	agcggtgaga	180
tcatggaacc	ggactccaag	atgacgatct	aaagaccggg	gagccagaag	ccaaggccag	240
gttctgggtg	tagggcccag	agaagcagaa	cagcccagag	ccccaggtgc	ctggcctggc	300

<210> 216

<211> 272

<212> DNA

<213> Homo sapiens

<400> 216

cttagccaga	tcgggactta	cagaagtcta	ccaatggtat	ctggaccttc	gtcgatttgg	60
atctgtgcca	catggaggtt	ttgggatggg	atttgaacgc	tacctgcagt	gcatcttggg	120
tgttgacaat	atcaaagatg	ttatcccttt	cccaaggttt	cctcattcat	gccttttata	180
gctggaagat	tggttaagga	aaagaccccc	ccatggcaga	gacactgcac	atgattgtgc	240
atacagcaga	atgcatgttt	ggattttaga	aa			272

<210> 217

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 217
 gaacttttga agagaaaaat tcgagctaga gggattctta aagccttaag ttacttgaaa 60
 tctatgtatt tgcaaccctt tgtctctgga atcatattac actaaactgg aatctcaggc 120
 tgaatgagaa taaccaagtg gagtaaaaag aagaaaaccg tttcttgatc accacttaat 180
 taacgatgct ctttctccaa aggatcagca cgttcttcct ctgagaactt gaaaatacaa 240
 atggacccca tggtttttta agcattacct tttcttagaa gactgccatc atcttttata 300

<210> 218
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 218
 ccagggcgta aatagagctc cctactccag accacctgcc acccacctcc caagttgaga 60
 acacaagctc cagctgggct ggagagtcag gcttgggtgca ggggtgacttt ggcgaaagttt 120
 tgtcagatcc ataaagcaaa ctggaatttg agctttcact taccctagta tacgtttctta 180
 aaaaaaaaaa aagtctatgg ggtataatcg agatggatac ctgggtcttt aaattacgta 240
 gggaattttg tatgttttaa taattgtact gggttccata aagcttatct taaaaacttt 300

<210> 219
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 219
 ggagatccag atattcttag acctgctgtt tgaacctgtg aggcatttca agaattggaga 60
 gtgccattct gcagtcattc aagcagtaga agacttgat ttgtctaaag ttcttccttt 120
 aggtcgtcag cacggtatct taaacagcct tgagatagta ttgaaaaaca ttagtcatct 180
 gatcagcgca tacctgccga agattttgca gatactgctc tgtatgacag caaccgtatc 240
 acacatcctt gaccaacgag aaaagatacg gctgagattt attaatccat tgaaaaa 297

<210> 220
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 220
 gtggggtagg catgggggtg gacaggggtg acgggctcca cagagacagg atggtggagg 60
 gagttgtgtg cagttgaaact tgatcctgta gttggttttg acctgggtgtg gtccctccat 120
 gctgtggaag tgaaatgtga ggggaacaggc ctgggggcag tgagggagac aggacaagcc 180
 tttcatctaa aagggtggcac agagcttaag gccaggggagg aaggatgaa gaaaagggtga 240
 ttgagaacta attaccaagg gaaactggca agacaactgg atgcgtgtaa tccgaatggc 300

<210> 221
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 221
 taaagctgct gtgatggcca cccttctctt tccaggacgg gagtttaaaa ttacacatca 60
 agagatgata aaaggaataa agaaatgtac ttccggaggg tattatagat atgatgatat 120
 gttagtggta ccattattg agaatacacc tgaggagaaa gacctcaaag atagaatggc 180

tcattgcaatg aatgaataacc cagactcctg tgcagtactg gtcagacgtc atggagtata	240
tgtgtggggg gaaacatggg agaaggccaa aacctatgtg gtagtgttatg actatattt	300

<210> 222
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 222	
gagaggagca ggtgcagtga ttcataccca ctctaaagct gctgtgatgg ccacccttct	60
ctttccagga cgggagttta aaattacaca tcaagagatg ataaaaggaa taaagaaatg	120
tacttccgga ggggtattata gatatgatga tatgttagtg gtaccatta ttgagaatac	180
acctgaggag aaagacctca aagatagaat ggctcatgca atgaatgaat acccagactc	240
ctgtgcagta ctggtcagac gtcattggagt atatgtgtgg ggggaaacat gggagaaggc	300

<210> 223
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (271)
 <223> n = A,T,C or G

<400> 223	
attggggact gacatcttaa gctctcacct ggctgcagta ggaaaggcca aactgacgac	60
aaaaaaaaaa ttctttataa agatgatatg gtaacatgta tctttgccct ggggtctggg	120
gggtccagtc agtctcagat ttacaagcat ttatgagcct aggtaaaagc tgctaataatt	180
ctttttaaag cnnnnnnnnn nacttgccctg atagaaaact ccttccgggg gggnggattt	240
tataatanta cgtgngnnct naacanagtn a	271

<210> 224
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 224	
aagtctgttg ccattccatc tctgtgttaa cacttcatat ttttatgaaa ttcagataat	60
ttgtgagagg ctggcatgga tctaaggatt tattattttt attctagtcc atcagttcag	120
tcgcagtttt tatactagga cttaggatg tacataaatg tgtgactgtt tgtcttgatt	180
aaaagtgcac tttggcctgg gcatggtggc tcatgcctat aatcccagca ctttgggagg	240
ccaaggcggg tggctcactt gaggctagga gttcaagact agcgtggcca acatgaggaa	300

<210> 225
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 225	
gctcagcagg cagacgaatg aggaataaag gtcagagaag gtcagagctg agtgacgttt	60
ggaatccacc ccgtttattg tagaactggg gggttcagagg gcagggtgctt cagagttgag	120
gccacacagt gaggtctggt gggtgaaagg acccaggaac gaggcgttca ggaaagcagg	180
ttgtcagagc tatgtggagt ctgtgggtgg caggggcagc cgctccagcc tttgaagact	240
ttgaaagcca gagattcctg gcgcaggctt ggacttcctc ggagctcctc caagtaccca	300

<210> 226
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 226
 gtggtttctt gcacatcttt ggagtagtta tgactttctca gtttttcccc ccttaaactg 60
 cattgcctat tcttttttcc tgacatgcta tcagggtatca gtgtgttgaa tacatactgc 120
 ttgtgtatca gacttacgtt actgtcatca ccattaaaag aattgcagct ttgtgcccc 180
 tgaccttcag ctcagttgtt gactgtcatt catgaatgcc taaagcatac tgacaccagg 240
 tataagtact tgaagatcaa gaactagtca ataaaacatg agcaacataa tggtaactat 300

<210> 227
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 227
 acagggtcaa aattttcatt ctgcataagg taggtttagt ctttttcaaa acattctagt 60
 aggcaagtct gtagctgaat cttggaagaa aggcaaccat agtaatatct ttgagttcct 120
 actgtttatt ttttcaataa aaactcaggt tctcagggtta gcagatcatg gtcttaggaa 180
 ggtagctgta gaacccaaaat ataaattcct aagcttctac caattgggtc ttactgaaat 240
 ggcaattgag agagaagtaa atctcttggt tttcaccata gttactttat gtttcctttc 300

<210> 228
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 228
 gacttggtgt caggcaggtt ttcnggacat gnacataaaa naacagattc aggaacagca 60
 ccaggctgcc attattattc agaagcattg taaagccttt aaaataagga agcattatct 120
 ccacattaga gcaacagtag tttctattca aagaagatac agaaaactaa ctgcagtgcg 180
 tacccaagca gttatttgta tacagtctta ttacagaggc tttaaagtac gaaaggatat 240
 tcaaaatatg caccgggctg ccacactaat tcagtcattc tatcgaatgc acagggccaa 300

<210> 229
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 229
 ggtgccatgg agttcaccat ctgcaagtca gatatcgtca caagagatga gttcctcaga 60
 aggcagaaga cggagaccat catctactcc cgagagaaga accccaacgc gttcgaatgc 120
 atcgcccttg ccaacattga agctgtggcc gccagaaca agcactgcct gctggaggct 180
 gggatcggct gcacaagaga cttgatcaag tccaacatct acccatcgt gctcttcac 240
 cgggtgtgtg agaagaacat caagaggttc agaaagctgc tgccccggcc tgagacggag 300

<210> 230
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 230

aatcccacaa agcctagcac caaactttctt tttttcttcc ttttaattaga tcataaataa	60
atgatcctgg ggaaaaagca tctgtcaa ataggaaacatc acaaaaactga gcactcttct	120
gtgcactagc catagctggg gacaaacaga tgggtgctca gggacaagggt gccttccaat	180
ggaaatgcga agtagttgct atagcaagaa ttgggaactg ggatataagt cataatatta	240
attatgctgt tatgtaaatg attggtttgt aacattcctt aagtgaatt tgtgtagaac	300

<210> 231

<211> 300

<212> DNA

<213> Homo sapiens

<400> 231

cacaaggaga agaaagttaa ttaacattga aagatgagaa gacatcttgg aagaacttga	60
attgggcctt ggaagaagaa cagccattca aatagataga attgtggtag caaaggcata	120
gaggtaggaa agtatagatc tccagggaca gtagtcatgg gggtggggca ctgttggaat	180
ttaaggttgg aaggatata tggagcccct tgaatacggg aacaaggcac accttgggca	240
gtggagagtt atcagagtgt ttgaaaagga gggttattga gtaaataaat agactggtac	300

<210> 232

<211> 300

<212> DNA

<213> Homo sapiens

<400> 232

gttaaactgt cagtattgga tcttagaagt aaatgattat taggactgta atagtaatta	60
ttaggactgt aaaagtaaag gattattatc tgcattagat atcattatat ctaatgatat	120
agagactgca gacataacta cagggtctct tttcttaa atcagaaaatcc agattcaata	180
gaaatagggt aaagtgatag gaggacaa atgccttccat ccagtgggta tcaactgacg	240
actacaagtc ggcctcactt gctttaatta ttctattcta tcctttgatg ctgcttgaag	300

<210> 233

<211> 273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(273)

<223> n = A,T,C or G

<400> 233

ggcagctaga gtcaggaaaa tgaccctcat atgcttttaa tctttgttcc agttgtctgt	60
cagggttgaa ttaagaagct actggtttat tcccaattgt tgatgccttt aggtatgttg	120
gaatcttttt ttttgcctag gaggggccag ttgaaaatct gtgactcaag aggcagtga	180
cagaatactg ttttctgggg aaaaattggg tggctacttg atgttaattt nnnnncagta	240
acagganaag gntgtgtctn ngctattntg nng	273

<210> 234

<211> 300

<212> DNA

<213> Homo sapiens

<400> 234

ccacctctca	gacgtgagta	aggaattgcc	ctccttgtct	cagtgggaca	aggcttgaag	60
ctaattggag	gaggtggaga	gaaatttaga	gggggtcctg	gttagggtag	ccataaaaaat	120
agagatgctt	gggatgttct	gagcaaagga	gccagaatgc	agagaacagg	accacagccc	180
tagtagctag	ggggggagtt	tgagatgcag	cctgggggtg	ccctgcctaa	tttcagagac	240
ttaagggcca	gtgtcagtga	cagggtcagc	aggggtgggt	gagaatctgc	ttaaggctag	300

<210> 235
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 235						
ccttccacgg	ttatttcaca	gatatggaga	gctggaagca	gggagtgagt	ctctgagtgt	60
tggaattgta	agggatcaga	agcagggatc	agaagcagtg	gtgaagttca	tccaccataa	120
aacacacagg	tgactttgcc	ttgaatctgc	aggactgaag	ccaactcttg	ggcacagacc	180
cttagtcctt	tccttggcca	ctctaagtca	gatagtccag	agccaggccc	tttgggatgt	240
gacaccgaga	taaatcagag	aaaagctgtg	aagcttgggg	aacagaggga	cttttggtga	300

<210> 236
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 236						
cagtgaagatt	cctcttcttg	tattaccttt	gcttcattgc	tgaatcttct	ccaatatcat	60
cttctaaaaa	gagcctttta	aaatcacctt	ttctattatg	ccctactcat	ttccagtccc	120
tgaattgccc	attccccact	tcatagcact	tattgctatc	tgaaattaca	ctaaatgtca	180
ccttcatgat	ggtaggcaat	ttattgcctt	tgctactgtt	atgtctagag	aacaagcagc	240
tggtcatag	taggcactca	acaaatattt	gttcaatgaa	gaatttataa	atgaatgcct	300

<210> 237
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (274)
 <223> n = A,T,C or G

<400> 237						
ctgggctgca	tctggccctg	gctggaggcc	ttgctttgag	gggctgagac	cctcttcccc	60
caggccctcc	ccagccgacg	acagccaccg	gagaggagat	cggaacacga	ttgnnnnnnn	120
tgcagggcgc	tgggcggaac	naatccncaa	ggactctgan	atnnnccctt	gmnantnncn	180
angngannna	nnananannn	ntatacatan	ancnnaanac	ccnaannaca	nacannngnc	240
anancnannn	nancannnnn	aannagnnna	nnna			274

<210> 238
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 238						
tgtcaccttc	tcccacagcc	atttccaccc	atcgttgtct	agaatctctt	tcattagcac	60
attccaaccc	ctctgccact	tggtttagaa	atgagctccc	tggtcagtg	ggcctttcag	120
aatctggaac	cagacggagg	tggagttaag	aagataggac	agaacaggca	ggcccagggt	180

ctatggttcc actggggaga gaccatttaa ttctccagat gctttactcc ctgattgtct 240
 ttttagccatt attcttttcg ttttaagaga catggtctca ctctgtcacc caggctggaa 300

<210> 239
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 239
 caggattgtt ctttttgtct tttgtttgtt ttggggaaca ggggtcaaat tttcattctg 60
 cataaggtag gtttagtctt tttcaaaaca ttctagtagg caagtctgta gctgaatctt 120
 ggaagaaagg caaccatagt aatatttttg agttcctact gtttattttt tcaataaaaa 180
 ctgaggttct caggtagca gatcatggtc ttaggaagg agctgtagaa ccaaaatata 240
 aattcctaag cttctaccaa ttgggtctta ctgaaatggc aattgagaga gaagtaaadc 300

<210> 240
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 240
 gcactgcgtc aagccactcc tggagaagaa tgatgtggag aaagtgggtg tgggtatttt 60
 ggataaagag caccgccag tggagaaatt cgtctttgag atcaccacag ctccactgct 120
 gtccatcagc tcagactcgc tgttgtctca tgtggagcag ctgctccggg ccttcatect 180
 gaagatcagc gtgtgcgatg ccgtcctgga ccacaacccc ccaggctgta ccttcacagt 240
 cctggtgcac acgagagaag ccgccactcg caacatggag aagatccagg tcatcaagga 300

<210> 241
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 241
 gggatgaata ttttaaggtga agcaaagtag ctgtggctac ttggggccaa aagcttccca 60
 gatgctcctg ctctaagcac atgatgtttt ttggggaaag tggtagcagg tagaggggtg 120
 cagaaagtgt gagaagcact tgtttaggtt gaccagaca tgcctcttga attgaattcg 180
 gtgatctgct tcttcagctg ctttcttgte cctgccagc aggatgccag gaaacacata 240
 gccctgtaga aaatcactgg agaagaggat gattggagtt cttcatttct taaaaaacag 300

<210> 242
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 242
 aaatgaagtc cttgagccag aaaaggatac cagccccact gttaagtgat gattgtgtgc 60
 taaagcagcc taagagttct atcctaacac aagagcctag aaagtaactt cttaggcagt 120
 gtccaaagaa tgccagtagt ctttggggac ttttcagagg tgcttggctt gaatcaattt 180
 ctagatccca aagcagagtc ttcattgcaca ttttgcggt gtagtgtaca gcaaatggct 240
 cttggctagg tttagaatgc tgcttttacc attctctgta cctgacccag tttgagtctc 300

<210> 243
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 243

agaacgttct	cagggttgacc	agctgctgaa	tatttcttta	agggaggaag	aacttagtaa	60
gtcattgcag	tgcatggata	acaatcttct	gcaagcccgt	gcagcccttc	agacagctta	120
tgtggaagtt	cagaggctac	ttatgctcaa	gcagcagata	actatggaga	tgagtgcact	180
gaggacccat	agaatacaga	ttctacaggg	attacaagaa	acatatgaac	cttctgagca	240
cccaggtttg	gcatagaaat	ggtacccctt	gttcaaaatg	aacaagaagc	cttagatttg	300

<210> 244

<211> 300

<212> DNA

<213> Homo sapiens

<400> 244

ctccagtata	acctcatctg	tatccgcagc	aaccgtttac	caataaggtc	acattctgag	60
gtactagagg	ttgggacttc	aacatcgga	tttgaagg	acagcattca	gcccagact	120
ccagataaac	gtgaggatg	ctatatcatt	cctaatttac	agatgagtc	atacaaactt	180
gagtgcgctt	gtcacaatt	ccatcaaagg	cagggttcag	acccaagttt	cagcatttag	240
ggcagggtgc	ctctgcatgg	aagaaccata	ctcaatagcc	gtaaacgctg	acaaattccc	300

<210> 245

<211> 300

<212> DNA

<213> Homo sapiens

<400> 245

gctgtctggg	tcctacattc	actactttca	ctgcctaaga	atcctggacc	ttctcaaagg	60
cacagaggcc	tcacgaaga	atatttttgg	cggatactct	tcacagcgga	tgaaggattg	120
gcaggagatt	atagctctgt	atgagaagga	caacacctac	ttagtggaac	tctctagcct	180
cctggttcgg	aatgtcaact	atgagatccc	ctcactgaag	aagcagattg	ccaagtgcc	240
gcagctgcag	caagaatata	gccgcaagga	ggaggagtgc	caggcagggg	ctgccgagat	300

<210> 246

<211> 300

<212> DNA

<213> Homo sapiens

<400> 246

tggctgctca	ccactccatt	ggcctgcctg	cgcgcccaatt	cccttcgggtg	ggccccggtt	60
ggctgcaggc	tgaggtctat	tccactgacc	acccctctcg	gtgccgcca	cagtgatcct	120
ggtgcacgcc	tcgttgcgcc	tgcgcaacct	taagaacaag	attgagaaca	agatcgagag	180
cattggtctc	aagcggacgc	caatgggcct	gctactagag	gcactgggac	aagagcagga	240
ggctggatcc	taggcccctg	ggatctgtac	ccaggacctg	gagaatacca	ccccaccccc	300

<210> 247

<211> 300

<212> DNA

<213> Homo sapiens

<400> 247

agaaaaaaa	cagagagaaa	aagaatacct	gagatatgta	gaagctttac	gagcccaaat	60
ccaggagaaa	atgcagctgt	ataatattac	tttacctcca	ctatgctgtt	gtggctctga	120
tttttgggat	gctcatcctg	atacctgtgc	caacaactgt	attttctata	aaaaccacag	180
agcatatact	cgggcactac	attcattcat	caattcctgt	gatgtccctg	ggggtaattc	240
aactcttcga	gtcgaatttc	ataattttgc	ttctgcacac	aggcggactt	tgaaaaatct	300

<210> 248

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 248
 ccaccttggc ctctcaaagt gctgggatta caagcgtgag ccactgtgcc cggccagaag 60
 gagtgttttg agaattggcta agagaagata gggtgaatag ctatgcctac atgtcactaa 120
 ttaacatctc agagatctct gctacagggt gtcgtcctca ttttgcctaa tatttttcca 180
 atggcatgag tataggaaga taaacgggga atgttttgaa gtaataaaaa aattccatcc 240
 ataaagaaga acaacatgta ttaagctttg tgcaccaaac aacacaacag gaagacacat 300

<210> 249
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 249
 tggtactggg gcccatatag atgtggataa acaaaaagat aagaatggcg agagaatgat 60
 cacaataagg ggtggcacag aatcagcaag atatgcagtt caactaatca atgcactcat 120
 tcaagatcct gctaaggaac tggaagactt gattcctaaa aatcatataa gaacacctgc 180
 cagcaccaaa tcaattcatg ctaacttctc atctggagta ggtaccacag cagcttccag 240
 taaaaatgca tttccttttg gtgctccaac tcttgtaact tcacaggcaa caacgttatc 300

<210> 250
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 250
 ggggcccgtg ctcaagttcc agatttgtgt ttcttgaggt tataggcggg tgtttgagga 60
 gtacatgcgg gttattagcc agcgggtacc agacatccgc attgaaggag agaattacct 120
 ccctcaacca atatatagac acatagcatc ttctctgtca gtcttcaaac tagtattaat 180
 aggcttaata attgttgga aggatccttt tgctttcttt ggcatgcaag ctccatgcat 240
 ctggcagtggt ggccaagaaa ataaggttta tgcattgtat atggttttct tcttgagcaa 300

<210> 251
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 251
 tgaagaggag atcggtgacc tgggctcctt atgtgcctga aagagtttga gtttcctgtt 60
 aactccaaat caacagtatt ttcaacaaga aatgtgcaat tgaaatcaag tgctgtttta 120
 gtgcagctag gatttccaca ggaagacact tgcagtgaac agagttagtg agcagcaaaa 180
 acacagatct atttggaata agagaaaaca tatgcgttgt attttgcttc aattataaaa 240
 taccatcctc tcaaagggtg ttctaaatta caaaggactt tgatttctag gtagattctg 300

<210> 252
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 252
 gaacaaagaa ggaatgtctt cctcatgttt gggctctatag aagacgttaa agaaaacttc 60
 cagaaagtgg gtttgaggca tgagccacca cgcctggcca aaggatttaa tgaattaatg 120
 gatgtacagt gctggggctg ttattctagg gcctgcattg agactcacat tttgccatca 180

aaagcctttt aagaggtgga ggttgcggtg agctgacatg gtgccactgc actccggcct	240
gagtgacaga gtgagactct gtctcacaaa aaaaataatg ccctttaaat aatgaataat	300

<210> 253
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 253	
gaacaaagaa ggaatgtctt cctcatgttt ggttctatag aagacgttaa agaaaacttc	60
aagaaagtgg gtttgaggca tgagccacca cgcctggcca aaggatttaa tgaattaatg	120
gatgtacagt gctggggctg ttattctagg gcctgcattg agactcacat tttgccatca	180
aaagcctttt aagaggtgga ggttgcggtg agctgacatg gtgccactgc actccggcct	240
gagtgacaga gtgagactct gtctcacaaa aaaaataatg ccctttaaat aatgaataat	300

<210> 254
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 254	
gttacccttc agataaagaa gggaagaagc ctaaaggaca gtcaaagaag cagcccagtg	60
gaaccacaaa aaggccaatt tcagatgatg actgtccaag tgcctccaaa gtgtacaaag	120
catcagattc agcagaagca attgaggctt ttcaactaac tcctcaacag caacatctca	180
tcagagaaga ttgtcaaaac cagaagctgt gggatgaagt gctttcacat cttgtggaag	240
gaccaaattt tctgaaaaaa ttggaacaat cttttatgtg cgtttgctgt caggagctag	300

<210> 255
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 255	
gggctcttgt cattttctcg ctctgtggca ctgttcagag gatatcacgg gcccttgat	60
ttgtatccag aattttaccg aattgctaca gacccaacca tccacactgt cccagaaggc	120
agacctgtga atgtctgagt gggaaaagag tggatcgat ttcccagcag cttocttctt	180
cctgacaatt ggcagcttca gttcattcca tcagagttca gaggtcagtt accaaaacct	240
tttgagaag gacctctggc caccgggatt gttcctactg acatgaatga ccagaatcta	300

<210> 256
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 256	
gctttggaaa ttattagata taccctatct ccttctctcc atttttttcc tgetagtgc	60
aaaggtagat gagtaggaag attaggactc ctgagttgcc catgatttca tctaattttt	120
ggattcagaa tgtattttat gaataatatg cagagatgca tattaggaat gtgaagccag	180
aatgggtcag ttgtagctgc tgcaaagtcc tgtagctgat ggtcatttaa ttgcatgggg	240
gttattttat ctttcatgat tgtggtgcac ctgatgctgg cggggatttg tgtgtttttg	300

<210> 257
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 257

gccagggtgta ttaggatctt ttagatgtag tttaatgaag agtttatggc ttaaagtgag	60
acagtattac ttcagagctc agcttctctc cttggatttt ctctcagcaa atgggagaag	120
taacgtctgc ccttcggagt tgttacaagg agacaagata aacacagggt ccaagtgcct	180
ggtaaattggt aagtgcgtgtt attagagtca ggtgttcttag tcacagggtcc tcaacagata	240
cagctttggc agtaggaggt gcagctgacc tgagctgttt ttaaattaaa attaaagcca	300

<210> 258

<211> 300

<212> DNA

<213> Homo sapiens

<400> 258

atttgatgct acaaagagct ttgttgaatc ttcagaaaac aaaatctgaa gggcagagcg	60
aaggaatgct ggcatttttg aaaccctttt gaggcttatg ttgtcatgtt cataattcag	120
cggatagaga aaaaaccgag aaactgtaga ataggctatc caacttcac atggggagat	180
acagctacag ataattgttct caggaccctt tgtctttagg tgcagtaaat gatctgcatt	240
tttagagagt ggaagagtat cccattctt gcctgttgca actgtggatc ccagtcgcca	300

<210> 259

<211> 291

<212> DNA

<213> Homo sapiens

<400> 259

ctacacagtt cccattcatt accttaacat tgtactgaga gagaccagg tctgacctgt	60
atagcagttt gagtcgagg gctgtcaaag gggttgcaa agtcactctaa aggacttggc	120
aacagaagta gcattatgac ttggatccac ttctttatag accaatattg gcagccatga	180
aggctggctt gtctctgggtg cggaattcag ttttagtggc tgaatgcaca gacagcagga	240
agagagaata ggggacaatg aacaacagag agagaagaaa tgcagtgtgt a	291

<210> 260

<211> 300

<212> DNA

<213> Homo sapiens

<400> 260

tgtacttatt cttgattgcc acgtctcatt tggattcccc agactctgat tagaggcact	60
gccaccagga gagattttat ctaaccaata gtacttccag gaagatcctc acccttgtag	120
tttcaagaag cacttgtaat taatgttcag cttcctgaac actgagtggc acttgaaaat	180
ctctgtgggt tatagcctta caaaagctac tctggaggct gaggcaggag aatcgcttga	240
acctgggagg cagaggttgc agtgagccga gatcacgccg ttgcactcca gcctgggcga	300

<210> 261

<211> 300

<212> DNA

<213> Homo sapiens

<400> 261

cggagcgag gccctcgggc aggagcatct ggcagagtgg ggggcgtggc aggcaccctc	60
ctttgcaggg cgaggtgggg cctctgcagc catctggac aggccggggg ggcggcagct	120
ttgccacgt ggaagcgggg tgggtctcac ttgcgtgggt gcccctggcc ccatcttgcc	180
tgctgcggcc tggggagcag gcgctgggtg gtggttctgc ctgcttgctg ctgcttcccc	240
gggcatgcgt gggcagcggg gggcatgcgt gggcagcagg gggccgtggg cagcgggggc	300

<210> 262

<211> 300

<212> DNA

<213> Homo sapiens

<400> 262

gcatcctctg atggcactgt aaagatctgg aatatgaaga ccacagaatg ttcaaatacc	60
tttaaattccc tgggcagcac cgcagggaca gatattaccg tcaacagtgt gattctactt	120
cctaaaaacc ctgagcactt tgtggtgtgc aacagatcaa acacgggtgg catcatgaac	180
atgcaggggc agattgtcag aagcttcagt tctggtaaaa gagaagggtg ggactttgtt	240
tgctgtgccc tctctccccg tggatgaatg atctactgtg taggggagga ctttgtgctc	300

<210> 263

<211> 300

<212> DNA

<213> Homo sapiens

<400> 263

atttctactt gagctaagggt agtattgtgt atcctctttc cttcttaggt atccataatc	60
cacaaagcat attttaaagg ctcttggcac gggcagcatt ggttgagcag gtaggtttgg	120
ctagggggaa atgtttaact tgttctgaaa gaaaaactta tgtctgtagg gtccaagaaa	180
cagctattcc agagtcagtgc tcagctgagt ctggaacata tgaagtggagg tttacttcta	240
agaacacaag tgactgcaca ctaattttgt caaggcatct tttcactact ttgctgtaga	300

<210> 264

<211> 300

<212> DNA

<213> Homo sapiens

<400> 264

gctcttgggt tttatgtccg ctgcttcttg gttgccgaga cagagagatg gtggtctcgg	60
gccagcccct cctctccccg ccttctggga ggaggaggtc acacgctgat gggcactgga	120
gaggccagaa gagactcaga ggagcgggct gccttccgcc tggggctccc tgtgacctct	180
cagtcccctg gcccgccag ccaccgtccc cagcacccaa gcatgcaatt gcctgtcccc	240
cccggccagc cccccccact tgatgtttgt gttttgtttg gggggatatt tttcataatt	300

<210> 265

<211> 300

<212> DNA

<213> Homo sapiens

<400> 265

gacttctaaa tatatcttgg atataatagg tgataagttc tgtcaattag taacatctga	60
aaaaacagct ttgtcctggg tgaaaaagga tgccaaaatt gcctggaaaa gagcagtga	120
aggagtccgg gagatgtgtg atgcatgtga agcaacattg tttaacattc actgggtctg	180
ccaaaaatgt ggatttgtgg tctgcttaga ttgttacaag gcaaaggaaa ggaagagttc	240
tagagataaa gaactatatg cttggatgaa gtgtgtgaag ggacagcctc atgatacaaa	300

<210> 266

<211> 300

<212> DNA

<213> Homo sapiens

<400> 266

gtcacctcca ctagaggggg ataaaaagga taataggaaa tcagaatatt ttgatttga	60
gttcaactgt tgatcaatta tctttgagac ttttaacatt catgactaag gaggattaat	120
aattaacatg agctgtagaa ttaaggtttg tatggcatga taagtataaa ccagttttgg	180

gaccgctata attctaaaaa agcaggtaga ctagatgatt agttgtacac ttattactgc	240
taattcttga ttgtagaaca aattttccta tgaaaaccat gttgtgtatt ttatatctct	300

<210> 267
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 267	
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tattgtaaca cagaatactg tcaatcccta atttacttaa tgttacttat tggaagtggg	120
gctgatgaaa tacgcacagg agggaaatct actgtgttta ggcacaggca gccccagtgt	180
ataaggagat catattccaa aaggttgtca gttggttggt tgcaacctgg aatgtatttt	240
ccttttagaga ccaggttatc catggtggtt aggccctag agcagctgga aaagatgatc	300

<210> 268
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 268	
gaggccactc tgctggccac ctccagtggg tgctgaccac aggatgggct ttgggtacac	60
tcattttcac cctgattctt gccccactt tcataaaaga aacttcaaaa tgctgacgct	120
ttggagagta agaaaatcaa tcttggctgg gcacggtggc tcctgcctgt gatcctagca	180
ctttgggagg ctgaagctga aggatcactt gagctcagga gttggagacc aaccctggca	240
acataacaag accctgtctc tacaaaaaaa aaaaaa	276

<210> 269
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 269	
gctgccacca cccccgggcc cagcctgtct gaaagttcag ggtttaggcc gagaaacccg	60
gtggggaggg gtggggagcc ggagctctgt ggcggggctg gagggctggg gtgcacttta	120
gtttggggcg ggacgggagc cgccgttggt actggcgtgg tctggctgct gctcccgaac	180
ggaggggtcg gggttggctt gctggggcct cagagcccag tgggtggctc tgactcggct	240
ccctactccc tgcaccagc tgggcgcagc cttggggcct gcggtctgaa tgtatccctc	300

<210> 270
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 270	
gactcatntg cagtgttggtc agaaacaaat aataaagccc caaaagataa actagttgaa	60
aaaactggca aaatctgtat acgtggaaat ttaccaggac agagactgaa gaataaagaa	120
aatgagtttc attgccagat catgaaatcc aaagaaactt taaagaagat gagttgtgta	180
aatggaactg aaggaggagg agagctgcct tcgcctggta caaagcacac atgtgtatac	240
acatgggtca agcagtgtct gtctgtggct gcctgtccag aggaatggaa atatccctttg	300

<210> 271
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 271
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 attcttttggg actaaggaat cattgaagat tttaaaatta gggctgacat aatcagattt 120
 gagttttggga acctatagtt tgggactgga ggaagacagg tgccagacac cagttaaaaa 180
 gctgttattt tctaagcagt agacaaagggt ttacactgac aatagctgtg gagatagaga 240
 aaagctgcga gatttcagag tttccaagg tgtaaacac taaattttgt gatcaaatg 300

<210> 272
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 272
 ggaacctact agatggacag gctgaggtgt ttggcagtga tgatgaccac attcagtttg 60
 tgcagaaaaa gccaccacgt gagaatggcc ataagcagat aagtagcagt tcaactggat 120
 gtctctcttc tccaaatgct acagtacaaa gccctaagca tgagtggaaa atcgttgctt 180
 cagaaaagac ttcaataaac acttacttgt gcctggctgt gctggatggg atattctgtg 240
 tcatttttct tcatgggaga aacagcccac agagctcacc aacaagtact caaaaactaa 300

<210> 273
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 273
 ctggttttga ttggtcagat tcttttttca ctageggcgg tttttctttt atgtcttggt 60
 ataaagaagt atctcattgg accctattat cgggaagctgc acatggaaaag caaggggaac 120
 aaagaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac ggtcacggag 180
 ctgctggacg tctccatgga gctgggctgt ttcctggctg gagcgctcgt ctctctcag 240
 ggccccgtgg tcaccgagga gatcgccacc tccatcgaac ccatccgga cttcctggcc 300

<210> 274
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 274
 ccacgactca tttgtttcat tcacattcct cacgtgcaac aacataatta tattttaaga 60
 aaatgtaact ttgttacatc aaaatatgtt gtctagtaaa aagttgatat tcagtagaac 120
 aaggatcatg taaataaaca tctatttcac atgtacccaa aagcatttaa aaagcagaat 180
 ccagggccca gagcatgagc cagggaggag gatgtttttc ttcttttctc tatttttccc 240
 taaattgtgc aaacataggt gagtctctta acctttctgt gcctcagttt ttctacctct 300

<210> 275
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)

<223> n = A,T,C or G

<400> 275

ccacgactca	tttgtttcat	tcacattcct	cacgtgcaac	aacataatta	tattttaaga	60
aaatgtggct	ttgngcatca	aaatatgttg	tctagtataa	agttgatatt	cagtagaaca	120
aggatcatgt	aaataaacat	ctatttcaca	tgtacccaaa	agcatttaaa	aagcagaatc	180
cagggcccag	agcatgagcc	agggaggagg	atgtttttct	tcttttctct	atttttccct	240
aaattgtgca	aacataggtg	agtctcttaa	cctttctgtg	cctcagtttt	tctacctcta	300

<210> 276

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(263)

<223> n = A,T,C or G

<400> 276

gtggcaactt	gatgaaacag	ccaaatgcac	cagggcagggt	cactttccca	ttacactgat	60
tccacaatta	aaaaaaaaaa	aagaaaaaaaa	actcattgaa	atagctacag	ttctataggt	120
taatttaaag	cctccttttt	ctactcattt	ttgaaaccaa	aattacattt	tactatttta	180
cataaccagt	gaaaagacgt	tgaagccta	cagnnnnnnn	tntttggngc	tctgaaaatg	240
ntnangnnnn	ntntntnnnn	ttt				263

<210> 277

<211> 300

<212> DNA

<213> Homo sapiens

<400> 277

tcactacact	taaaaatata	aggagacatgt	taggcaatca	gatgctttgt	agaaactgag	60
ctatttgcg	gcctggcgcg	gtggcccaca	cctgtaatcc	cagcactttg	ggaggccgag	120
gcagtggctc	acgaagtcaa	gagttcaaga	gcaacctggc	caagatgggtg	aaaccctgtc	180
tctactaaaa	atacaaaaat	tagctgagca	tggtgggtggg	tgctgagggc	tgaagcagag	240
aattgcttga	atttcaggag	gcgagggtta	ccgtgagcca	agatcgcgtc	acagccctcc	300

<210> 278

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 278

cctgtctcta	ctaaaaataa	aaaaatgacc	tgggcatggt	ggtggggcgcc	tgtagtccca	60
gctactcggg	gogctgaggc	aggagaatcg	ctcgaaccca	ggagggtggag	gttgcagtga	120
gccgaggttg	cacaattgca	ctccagcctg	gogacagagc	gagactcgtc	tcaaaaaaaaa	180
aannnnnnnn	nngggnaaanc	ntnnnantgg	ggnnnccact	tgccntttgc	cnggnnnncc	240
cangttntnc	ctngttttcc	nggnatttta	ncccctttcc	atttttgana	aaagac	296

<210> 279

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 279
 ctggctcaga tgtgggatgt gtatggaaga atataaatga tgggtgtggat gtcaggggtga 60
 gggaggagac aaaaccacga tgacccttag ctttgtggcc tgaactgtgg gtggctgagg 120
 ggatcggttaa ttgaatgggg cagactgagg cttgtgagga agatcagagt ctgggttcttg 180
 acatgagatg cccttcagac atctcttcac tcagggtccaa ctagggatac agaaacactg 240
 aatattttcaa cagcagaaat tgaatggggg gattgatagc gctggcgagg gaagcagctg 300

<210> 280
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 280
 gaaatataga gagatgtggg atttgaatgc ccatgaaaga cattttatatt tacttgaata 60
 tattcttgct tcactttacc ctccataata tgttgtagat tagtgctgat caagtttaca 120
 gagttacatt ttgctttcct aaccattcag tcaggaatta aaatatggca ttgtataaca 180
 actgggaaga agctcatagt ggatataaat tagagtagat aatgggtcac cttgatagcc 240
 tctgtttaca ttacttgtat atgggcaaaa taattattac ctatacgtgt atttaagctt 300

<210> 281
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 281
 atcttttaggc tccgtgtgtg aaatgcagca agcctgcccc cagcagcctg tgggctaate 60
 ctgagctgtt ccttcgttta ggtacacagg tgaccctgaa gtteccactc ggccctctgt 120
 tttctgagtc ctgtctcttc tgtagcacag tggggattgt tctgaaccgt ggacgcctt 180
 cttggcgagg caggtctctt tatggaacca tagtctgtta cctcatttct tccaactgct 240
 ctgtccccta aatgtgtgtt cccaggtgca gtgcagcaag ggtgctcgtt gttggccttt 300

<210> 282
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 282
 cctgtttcca ggagatatgt gtgtccatca gcagtataaa aaatcttggg caggtgttat 60
 tgcactgttt gtatgattca gaccaccta ctctgctgga aacaagcagg ttgttgctta 120
 cttgcctttc ccaggcagaa gtggccagtg tttgggttga aaggatccag gaacatccag 180
 ctatttatga tagcatttgc ttcattatgt caagttcaac aaatgttgac ttgctggtga 240
 aggtgggaga ggtgtgggag g 261

<210> 283
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 283
 gaaaggtggc ggccttctca cggctgagtt gctgcgcctg cagacggaag ctccccacag 60
 gcagagctgc ttgatgtgt gagtcatgaa gccagagaag ccccgctcca tgagcagtga 120
 ctccccaggc cctgtgacct ccctcctgtc ttgcagctcc tcctggcacc agtccccagg 180

gctctcctgt tggtagttcc tgcttttctt cttggaaatt cctcgtggac ctcgagatct 240
 ttaccctaaa atagttctgt tgaatttcac cctggcaatg taaattgata gcttatcttc 300

<210> 284
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 284
 gaagacacca gtggtggaat cgagtgtttg gccacagttc gggacctatg gtagaaaaat 60
 actcagtagc taccagatt gtaatgggtg gcgttactgg ctggtgtgca ggatttctgt 120
 tccagaaagt tggaaaactt gcagcaactg cagtaggtgg tggctttctt cttcttcaga 180
 ttgctagtca tagtggtat gtgcagattg actggaagag agttgaaaaa gatgtaaata 240
 aagcaaaaag acagattaag aaacgagcga acaaagcagc acctgaaatc aacaatttaa 300

<210> 285
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 285
 atgttaaadc atgtcttaaa catctgtgaa aaagatggta cttttgacaa cttttatctg 60
 catgtccaga tcagcaatga gtccgcaatt gacttctaca ggaagtttgg ctttgagatt 120
 attgagacaa agaagaacta ctataagagg atagagcccg cagatgctca tgtgctgcag 180
 aaaaacctca aagttccttc tggtcagaat gcagatgtgc aaaagacaga caactgaaca 240
 aattacaaat gaactttctt gcacttgctt gtcgccaaat aaaagagagg cccattgatt 300

<210> 286
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 286
 ctaaaatggt aaatcatgtc ttaaaccatct gtgaaaaaga tggactttt gacaacattt 60
 atctgcatgt ccagatcagc aatgagtcgg caattgactt ctacaggaag tttggctttg 120
 agattattga gacaaagaag aactactata agaggataga gcccgcagat gctcatgtgc 180
 tgcagaaaaa cctcaaagt cttcttggtc agaattgcaga tgtgcaaaag acagacaact 240
 gaacaaatta caaatgaact ttcttgctt gcttgctgc caaataaaaag agaggcccat 300

<210> 287
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 287
 aagtaatacg tcctttcatc ttttctttca agatatttct gcattaaatc atcctcagta 60
 tatttttttg aaagccaagt tttcccaaag ctcttcattt cctcatctcc ctctgtgcca 120
 ctggtttttc agttgctggg ggctacagac cctctctcta gaaagatgga catgtgaaca 180
 taagcaactgc attttgaca caatttcctt gggttcagaaa ccacctgaac ttttccttct 240
 agaggaccct gcttaaacac ttccattcta ggggtgtccag cccattaaga tggccaagaa 300

<210> 288
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 288

actttataaa	taaattatat	gtctgatact	agccttccat	tgcctggatc	acatctgatt	60
gtcctggtaa	tttgagaaaa	gggtagcccc	ttggtatgga	tagtagcttg	atgacatgga	120
attcagggaa	aagactatga	tggtgtcact	tgtaaactgct	tttgtgctgt	aaaattgtca	180
tggattaaga	agagagttgg	ctgggtgcgg	tggctcacac	ctgtaatcct	agcactttgg	240
gaggccaaag	taaggactgc	ttgagcccag	gagttccaga	ccaacctggc	caacacagcc	300

<210> 289

<211> 300

<212> DNA

<213> Homo sapiens

<400> 289

ttactgactg	caacaacttc	agattatacc	tcttctactc	caagtgcctt	caaagaaagt	60
cctctgccaa	gacaaattca	ttacgttttt	tccctctacc	tggttgccct	tattctcttt	120
tgtatttcac	cttctcatct	agattgaata	atctttgaga	gcacagatgt	ttatttatat	180
ttttcctttc	catttctact	cagcatgagg	tgtccattga	acaaacttga	tgaattttta	240
ttgcttaata	tcttgctaga	ggtggggaga	gaggttgggg	gcggttaagg	aactatcagc	300

<210> 290

<211> 300

<212> DNA

<213> Homo sapiens

<400> 290

ccactgcgtc	cctttgcgtt	cagcccctcc	tctggctttc	agttacacca	agctaaaatt	60
tcaggttccc	agctgcagct	ctctgggtcc	cccggtgccc	cagtggggct	ccccgcactc	120
gaatgtgtgg	tccctggggg	tgggcacttg	ggggcatcct	ggtcactgct	ggccctagca	180
ttggacccta	ggagacctga	ctggaactgg	ctccctcccc	atcagctccc	agctgtcact	240
ctctcccacc	cccgggcagc	tgttttgccc	aagaccactg	ctacctgttt	acccaccctg	300

<210> 291

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 291

aataaacgta	tgtgttcata	ttcgatcacc	gaaatgagag	ttcttaattg	ctaattgaca	60
aacgcgttag	caatttcagt	tagggagtca	tctcccttga	ttgtgttctt	ttcctgtcaa	120
ttttcataga	cctaatttgc	aaactcaatc	ggggactaaa	atttccact	gaaaatgtta	180
aacattttag	ataactgtga	agatagttaa	tttttatccc	ttgccaatct	gggaatatgc	240
ctttttnnnn	nnnnnnnnnn	nntttttaag	tgctgtatta	ataatacttt	ctgaaagaaa	300

<210> 292

<211> 300

<212> DNA

<213> Homo sapiens

<400> 292

cgccagagca	gcagtgggga	acatcttctt	gtctgtctga	cacctgattg	ggccggttct	60
ctgccattcc	ttctgcaatt	acatgggttt	cccagctggt	tgcgcggcct	tggagcacc	120

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acagaggcgg cccctgctgg caggctatgc cctgggtgtg ggactcttcc tgcttctgct 180
ccagccctc acggaccca agctctacgg cagccttccc ctttgtgtgc ttttggagcg 240
ggcaggggac tcagaggctc ccctgtgctc ctgacctatg ctcctggata cgctatgaac 300

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<210> 293
<211> 289
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(289)
<223> n = A,T,C or G

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<400> 293
ctgcgctatc agcgcaaaga acctcccgac agtgccactg accccacctc cccccagccc 60
cacagctggg tctggctggg cactgaccag gaggaactga gccgccagct ggaccggcag 120
tcccctggcc cgcccaaggg ggaggggagc tgcccctgtg agagtggggg aggaggggag 180
ggcctaccc tggcccctgg ccctcctggg ggcaccacca gctcctcaag caccctggcc 240
cgaaaggagg ctggggggcg gcggaagcga nnnnnnnttg ngacatttg 289

```

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<210> 294
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 294
cagagctgtg atctgcccc aggtattctg acccccaaac tggtctctca ccatgtttac 60
atgatgaaaa gaagaggtga ctgttgatc agctctaaag gcctcacttt tggtgaaatg 120
ggacctaaat ttgattgcat acttgattac ttgtgtcaa tactgaaatt ggcacttcat 180
aattttaata ctattgaact ttcaccataa ccctgtccta taaagttgac ttgcaaata 240
agaaactcta tctcttcaat attataaaat atatccaaga gtcacaacta gtgagaaaa 300

```

```

<210> 295
<211> 300
<212> DNA
<213> Homo sapiens

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```

<400> 295
ctttccatt cacttctcta gaaagctgcc aagacagagg cagaaagaaa tggatgatag 60
ttctgtcaag cacacttctg ttctcttaga acttagaagt gtttctaaga gaacagaagt 120
aataagagaa acagttacgt gtggaattca acatctttgg ttggaacgca ttggcttttt 180
ttttctgtt ttgatagaaa tggaattaa caaaagtagt ttttgtctt tctgtgtgcc 240
tcaaattcca tgccttttat ttttaattta atcccgttca aatacttaat tgttatacat 300

```

```

<210> 296
<211> 300
<212> DNA
<213> Homo sapiens

```

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<400> 296
gttttgttct cttctttgac tattaaaaag ctcaagtcca aatatttcta acatatggca 60
agtgtttctg tgtaccttac aagtctatat ataaattttt cttctcttga cagggtttta 120
tctatattta gcaagtcacc cctaattctt ttagaataag gcagaaaata aatcaacgta 180
aaggttgaga ccaagccaga gacagctggc caaagtagct ggttcagggg tataacctgc 240
aagttgcaa cccagcgcat tcttctcacc cttcttcac cctacgaaag gccatatctt 300

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<210> 297
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 297
 cgacagctct ccaatactca ggttaatgct gaaaaatcat ccaagacagt tattgcaaga 60
 gtttaatttt tgaaaactgg ctactgctct gtgtttacag acgtgtgcag ttgtaggcat 120
 gtagctacag gacatTTTTA agggccagg atcgtTTTTT cccagggcaa gcagaagaga 180
 aaatgttgta tatgtctttt acccggcaca ttcccttgc ctaaatacaa gggctggagt 240
 ctgcacggga cctattagag tttttccac aatgatgatg atttcagcag ggatgacgtc 300

<210> 298
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 298
 tttctccatg ttggtcaggc tgggtctgaa ctaccgacct cagggtgatcc acccacctcg 60
 gcctcccaca gtgctgggat tacaagcatg agccaccgag cccggcctcc ctgttccagt 120
 tttctataat ctgttcatat tatattctgg gtatatgtgg gtggtgtgat tatccatgtg 180
 gtcttatttt cacattcttt gcattaacta taatgtactt aatgttttaa gataagtttc 240
 attctacaaa gatgtatgta caatactgg tatcaggtaa caatcttaa aaaaactaat 300

<210> 299
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 299
 cttcagcatt cagccacttc gtttcagtgg catctgtaat atactcttta atatgaagat 60
 gttgaattaa aagtcaaaat actgatgtga gttgacctag tctcaaaggg taaaagatta 120
 tttttccagg gagcaaatga gaagggtggg tgcacgagcc ttttgctgaa cagttggagc 180
 cgtgtccagg tggaggtgcc aatacagaat caggattggg gggcacacgg agaaacaggc 240
 tatggccctt gagggctgaa cccccaggg tgagggtgca gatgctgccc ctgcttcggg 300

<210> 300
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 300
 gctttttggg acagtagaaa ttttcacatt aatactgtaa attctgtacc atattttgac 60
 acctgtaca tctgattcaa atgcgggaaa aaataccatg tgtgcataat gaaaaatcat 120
 tcatttttcc ctttcttacc ccagcaggaa tagaaagcaa ttccaagcca ctctgcaaat 180
 gtatccaagg ttagagattc gggagctggc caacatctta cccccaaat gactgaagca 240
 tttcagtagg ctgactggct cgaaataaca atttaagaaa ggggggaaaa aacctacagg 300

<210> 301
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 301
 gaaatggatg atagtctgt caagcacact tctgttctct tagaacttag aagtgtttct 60
 aagagaacag aagtaataag agaaacagtt acgtgtggaa ttcaacatct ttggttgga 120

cgcattggct	tttttttct	tgttttgata	gaaatggaat	taagcaaaag	tagtttttgt	180
cttttctgtt	gtcttcaaat	tttatgcctt	ttatttttta	tttaatcccg	ttcaattatt	240
taattgttat	acattgacat	taactgctgt	attttgactt	tgttcaataa	ttttgttctc	300

<210> 302
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 302						
agtacccaga	ggtgcgagga	gttttttaac	tgatttagcc	aggtggcaat	catgagtga	60
tggatgaaga	aagggccctt	agaatggcaa	gattacattt	acaaagaggt	ccgagtga	120
gccagtga	agaatgagta	taaaggatgg	gttttaacta	cagaccaggt	ctctgccaat	180
attgtccttg	tgaacttcct	tgaagatggc	agcatgtctg	tgaccggaat	tatgggacat	240
gctgtgcaga	ctgttgaaac	tatgaatgaa	ggggaccata	gagtggaggga	gaagctgatg	300

<210> 303
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 303						
accagtatca	gatttgtgat	taatcgcat	actgtcaagt	cctcatgcag	gccagtcaga	60
cttctgtgtg	tgttccctca	ccttccattt	aagtttcagc	ctttatctat	gtccttttgg	120
gtgtctgcca	tgctgatgat	agagctcatc	agtctttgat	aaatactgtt	aggtccttaa	180
gtgattttct	gtgaaatctt	acgcatagga	tttctgtggt	cagggtttga	cgtctgatct	240
tgttcgtcag	atccccttgc	tcaagaatgc	aagtgcatta	cctcttaaat	tttaaaagct	300

<210> 304
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 304						
attggagtgtg	aaattaacat	ttcaaaagtt	tttcgtat	ttttatggca	gatgatttgt	60
catttattta	tattagggtt	tactgcctat	tgagacaacc	aggtgcataa	ttgattgccc	120
tttggccata	aaaatgcagt	gtcatggatc	ttagagctaa	aaaggactgt	aaaaattacc	180
cagaacagcg	tcctcagact	taaccttctg	caagtatatg	ctgtatataa	gaagattcta	240
attgctaact	gtttatactt	ttctgaataa	aatagtgtgt	tcctaattaa	aaagtagcca	300

<210> 305
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 305						
gtggaactgg	ctcaggctgg	attactcttg	ctgctgtctt	gctgtactgt	atgccactgg	60
gatctgaaca	ctaaacattg	ctaagaaacc	caccaccac	caggatattt	ggaagtaact	120
tcacatatgg	aaaagttaaa	gactcagtct	ctgagaaaac	aattggactg	atgcgaatgc	180
agttttggaa	aaaaactgtg	gaagatatat	actgtgacaa	tccaccacat	cagcctgtgg	240
ccattgaact	atggaaggct	gttaaaagac	ataatctgac	taaaagatgg	cttatgaaaa	300

<210> 306
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 306

cacttgggtg agatccaatt tatctcacct tctgatagtt ttaaaagaga agtaatttta	60
atttacatta actttaaaat atttgtatgc caaacactag ttattttgag gggatcgaaa	120
caaatacatag cagagataag gaactttcat actttgggag gatttttttt aaataactgt	180
atgtttactc taagtagata tgtgtatgca tgcattcact tatgatatgc acannnnnnn	240
nnnnnnnacac acacacacac acacacacag aaatttatgn ngcctttaan aatcttggga	300

<210> 307

<211> 300

<212> DNA

<213> Homo sapiens

<400> 307

agaggggtggg gtctggccac ataggtacct ctgtggctct ggtctggggt tagacactgt	60
tagggactag cattttattgg acttgtaaag acagcacctc agaattagta actacttgca	120
ttttagggtc tgttttatga agccaacaag tgaatgtaaa ataggctctg catcttttct	180
gagagccctg tcaactgggca gtgagcattt ccaaaattgc agctctgtca gaatgaacca	240
tgaatactta agaaagggaa agtaggaaca gggagcagag caaagcataa cttgctgtgt	300

<210> 308

<211> 300

<212> DNA

<213> Homo sapiens

<400> 308

cttctgttga ttggtttgtt taaagtacct aagtactacc ctttgactcc ctacaaaaag	60
ttcttttgtt ttttaaacaa cttttatttg tgacttactt tcttgagaag tgttcttaat	120
gaattgcata aaatagtggg agcagcttat ttcttaagta ctttattatt tgtgctttac	180
catttcaggt tcttatcttt aacccttatt tactcagttt tccatctgaa tgatcctatc	240
tctaaattaa ggatttaata aatgctgcaa attgtccact ttgcaaattg tccaaaagct	300

<210> 309

<211> 300

<212> DNA

<213> Homo sapiens

<400> 309

ggctcagagg gggtatgatt cggaggggtc tgccgcacgg catgggcccgg ggcctcttga	60
cccggaggcc aaggcacgag cagaggaggc ttttctctgg gtaaagtga ggacgacaga	120
gggtattgtg gttctgggtt gtccccaacc tccgactgtg tgctcttcag gacccgaaac	180
catggccac actggcagga cagtgggtcg gcttggggaa gggggtagc ttacctacca	240
gagctttagt gggctgtgca ggtgtatggc tcccaaggcg gcccttttca ggtggcaggt	300

<210> 310

<211> 300

<212> DNA

<213> Homo sapiens

<400> 310

gggaccagaa catgaccggc tgggcctaca aaaagatcga gctggaggat ctcaggtttc	60
ctctggtctg tggggagggc aaaaaggctc ggggtgatggc caccattggg gtgacccgag	120

gcttgggaga ccacagcctt aaggtctgca gttccaccct gcccatacaag ccctttctct	180
cctgcttccc tgagggtacga gtgtatgacc tgacacaata tgagcactgc ccagatgatg	240
tgctagtcct gggaacagat ggcctgtggg atgtcactac tgactgtgag gtagctgcca	300

<210> 311
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 311	
acaagaagcc atgaggccat agggagaagc tccctctccc cttcatcttc tgctccaaag	60
gtggttagcaa gaggagtacc cagttagggg ttggagcccc catataacat cttcctgtca	120
gaagactgat ggatcttttt cattccaacc atctcccttt ccccgatga atgcaataaa	180
actctgtgac accagcaacc attgctcttt agaaatgggt tttctgatca tatggctgat	240
gtgttatggg cagcatggat gtcttcattt gttgcttctg tttttcatct tttttgtttt	300

<210> 312
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 312	
aaagaatcca atttttagagc tgctaaaaaa ctcttttgaa gcacctttgc atttcatggc	60
tcacagattg aaaactggca ctccatcctg aggaatggtc tggttgttgc ttctaataca	120
ccgattgcag ctccatgggtg caatgtatgg aagtggaatc tatcttagtc caatgtcaag	180
catatcattt ggttactcag ggatgaacaa gaaacagaag gtgtcagcca aggaccgaag	240
ccagcttcaa gcagtaaaaag cagcaatata tcacagtcac agaaaaaagg acagcaatcc	300

<210> 313
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 313	
gggtgttggg gcagattgta gttgatccac agcaaagagc atcaccaaag ccattccagg	60
aggaactaga tccaccactt cctctgctgg gcatgctcca aaaatgggtg tggcttccag	120
agaggactcc aaaagaaagc acaaaaacta gacagtggga gggcataccc aaaagccctg	180
agtttctgaa aaaatattga aagtttctat ggtgaaatag gaagttaatg tgcttaggaa	240
gaaaaaagtg gtaatgatcc aaggaaacat aatcacacac ggttttagtt ttaatggaca	300

<210> 314
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 314	
ggcggaggag cagaagctca agctggagcg gctcatgaag aaccgggaca aagcagttcc	60
aattccagag aaaatgagtg aatgggcacc tcgacctccc ccagaatttg tccgagatgt	120
catgggttca agtgcctggg ccggcagtg agagtccac gtgtacagac atctgcgccg	180
gagagaatat cagcgacagg actacatgga tgccatggct gagaagcaaa aattggatgc	240
agagtttcag aaaagactgg aaaagaataa aattgctgca gaggagcaga ccgcaaagcg	300

<210> 315
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 315

aagtatatat	gactccactc	aggggtgtaa	aagcaaccca	agcatcaaag	tctactcagc	60
taaagactaa	cagaggacag	agaaaagtga	cagtttcagc	taggacgaac	aggaggtgtc	120
agactgctga	agccgactct	gaaagtgatc	atgaagttcc	agaaccagaa	tcagaaatga	180
agatgagact	accaagacga	gccaaaaccg	cagcactaga	aaaaagtacc	acttaccctt	240
gccccatttc	tcaatgaaga	tctaagttag	gaaagacgat	ggaggtggaa	tcctttaaga	300

<210> 316

<211> 300

<212> DNA

<213> Homo sapiens

<400> 316

gacctatctt	gatctggata	gtaaagtggg	gactttaaaa	aaggttatta	aattactggg	60
agaaatcatg	gagcacagat	tcaagacata	tcaacaattt	agaaggtggt	tgactttacg	120
atgcaaatta	tactttgaca	acttactatc	tcagcggggc	tattgtggaa	aaatgaattt	180
tgaccacaag	aatgaaactc	taagtatatc	agttcagcct	ggagaaggaa	ataaagctgc	240
tttcaatgac	atgagagcct	tgtctggagg	tgaacgttct	ttctccacag	tgtgttttat	300

<210> 317

<211> 300

<212> DNA

<213> Homo sapiens

<400> 317

gattgtgaca	tggtgtaata	aaggatatac	tggtgtaata	aaggatatac	tggtgtaata	60
aaggatgtgg	gagcacaat	ccataggaat	ttgagagttt	aggaattgta	tttattattc	120
aggcccttca	ctctcagact	accctgctct	atttgaataa	tgaggcttgt	ggtgggtctgt	180
ggaaaagtgg	acagagtaga	atttgggcag	ctgctgaagg	tttgggtctct	ggaatgagtc	240
cacgttacc	taaggacagt	aatcccaaat	tgagacaaaa	actttaagaa	aaccaatgtt	300

<210> 318

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (298)

<223> n = A,T,C or G

<400> 318

ggggctcttg	atggcttttc	caccgtccct	gagactgggg	ttgaggggac	tgacgggggc	60
caccaccgcc	ccgcctcca	gcgcctcctc	ccagggtggc	tgggcctcct	gttctcaggg	120
atcacannnn	nnnnngggg	ccaaccctt	ccggaaccaa	ggtgcangct	tangnctgcg	180
gctttctggg	tgtgtgctgg	cttctgggct	tcancctcct	gccccagccg	tccttgccan	240
ggcacannng	accatggggg	ctgggagtc	catnanagca	gtgangtggc	cccggcct	298

<210> 319

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (277)

<223> n = A,T,C or G

<400> 319

agaggggtggg	gtctggccac	ataggtacct	ctgtggctct	ggctctgggg	tagacactgt	60
tagggactag	cattttattgg	acttgtaaag	acagcacctc	agaattagta	actacttgca	120
tttttagggc	tgttttatga	anccaacang	tgantgtaaa	atangctctg	catcttttct	180
gagagccctg	tactgnncan	tnnagcattc	ncnanattcg	natctctgnc	ntnatgtant	240
atgnctacnt	ttnanttntt	ttgtttcccc	ntttntct			277

<210> 320

<211> 300

<212> DNA

<213> Homo sapiens

<400> 320

aacgttcccc	cgctacatag	tctttctttt	gtgttattta	gtttaccatt	tcttttttcc	60
atcttggtat	aacctccacg	agttgtgtct	cttttgtttt	ctacattata	cccaacggct	120
agcacataac	aggcacccaa	tatatactga	acgaactaag	gaatgaatga	aggaatgaat	180
gaataggtgg	cttataggaa	acccctgggg	ccagggactc	tgcaacatca	ccatgtaact	240
ttttctttgt	gctgagaagc	agagagaaac	aatagaagat	atctcttaat	ctctcaagga	300

<210> 321

<211> 300

<212> DNA

<213> Homo sapiens

<400> 321

gaggcaccag	caggtagtgg	cccctgtaag	cagggccaga	gtcgggacaa	agagcaggag	60
tgaagcagcc	aagagacaga	ggaccaggct	ggagccagtg	ggcacgcagg	agcctgcctg	120
ggaaaagccg	gggggcaagg	ctggcatggg	aatgaacacc	tgctggtgac	acctctctga	180
gcttcagttc	ccttaactag	aaaaatagaa	caggccccgg	gcggtggctc	atacctgtaa	240
tcccagcact	ttgggaggct	gaggcggggt	gatcatgagg	tcaggagatc	aagaccaccc	300

<210> 322

<211> 300

<212> DNA

<213> Homo sapiens

<400> 322

gaccagaaaa	acaggtacgg	aatgagccct	ggaacatttc	tatttcagca	gaatatattg	60
cccagggtgaa	agggatctca	gtggaagaag	ttatagaagt	gacgacacag	aatgcattaa	120
aactgtttcc	taagctccga	cacttgctcc	agaaatagct	tcaaaacccat	ccattacaaa	180
atcgaatcaa	ctgcaggggc	cagcatttga	aacatagaaa	tgttctgatg	aagaatctga	240
actgaagaag	ctgttttata	gggttataga	agattgtaat	tgtagagaaa	tattttctct	300

<210> 323

<211> 300

<212> DNA

<213> Homo sapiens

<400> 323

gtgatctgcc	tgcttgggtc	tcccaaagtg	ctgggaatac	aggcatgagc	caccgcactc	60
ggccaggagc	tagttttatc	agcatcctgc	tccactgcct	tcctctagtg	cagcctggaa	120
gacatggcag	cgggtagctc	ctggggctga	gccagaagca	tactgacagt	gaaagtctct	180
gcttacctgt	ctggctcagc	ttgggcaagg	gctgggcat	atgtgctcag	ggacgtgctt	240
ctcttgaag	gcaggaggat	agaagaggac	caagaaggga	gggagctgcc	ctgtggtgca	300

<210> 324
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 324
 gactggagaa gtcagaagta gaaaagcaga ttgctaggag agacaggatg acagattttg 60
 gtcagaaaat gggatattgg agtttaaagt atcaaataca gaatagtcc agatgttcag 120
 agatccagca tgggattagg tactgaaatg gattagaact aaaagtcact agaatttaga 180
 aattgagaac catgagagtg gatgcaatga cttgttgctt gattgaaaaa taaattaata 240
 ataataaagg accatgagac tagcctgtta taggggttat ctccatgaac attgaatttt 300

<210> 325
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 325
 ttcgagtgc agctcccat ctttctaaag tttccatggc aatacagcta actgaagaac 60
 taaaagccag tgatgtactt gccagggttc tcagccaaga aagtggggtt gccagactc 120
 tcaagaaagg agaagttttt ttgtatgaaa ttggaggaaa tattggggaa cctgccttg 180
 atgatgacac ttacatgaag gatttatatc agcttaaccc aaatgctgag tgggttataa 240
 agtctaagcc attgtacaag acttaacaag ctgcagataa ccatgtggac tt 292

<210> 326
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 326
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt atacagacat ttttttttta acttgttgat 60
 tcagatgtct tgggccctga atagtcctag attacttatt ttgagaattc attgttaaaa 120
 attacaggga attaaaataa ttgccttttt ttttagaggg taagagatgg gtagaagagt 180
 atgcctctga aaattttatt agttttattct tgtggagaat accaagaaaa tgtgtatttg 240
 cccattgcta aatatgatat atgccatttt gtattttatt gtcccaagtg tctttttgta 300

<210> 327
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 327
 gcaggaggtt gcttgggtgg ccgctaacac caggctactc ttatttttagc ttgctaagtt 60
 gagatcagct agacctgett tcttttctcc tcagtcttgc atttccctca atacaagctg 120
 tagcctcttt cctcgtttct agtctcagaa ggaaggagag ggaagccatt ctctctagg 180
 gactcttcag tctcathtag atgatagtcc ctttttttct acctccatat tagagatgga 240
 gctccttctt tttcctgggt ctttaatttt gtcttctcat tcctgcttcc ctctcaccct 300

<210> 328
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 328
 ctctggagta gctgggatta caggcatgca ccaccatgcc tggctaattt tgtattttcta 60
 gtagagacag ggtttcgcca tgttgccag gctgggtctca aactcttgac ctcagggtgat 120

tcacccacct	cagcttccca	aagtgttggg	attataggcg	cgagccacca	tggctcagcc	180
tcatgttcgt	ttttaaaact	taggatgggtg	gctcttttac	attgattggt	aggaactctt	240
catattacga	ggcagttagc	tagttgtctg	tgaaataaaa	tactaatgat	tgaactttct	300

<210> 329

<211> 300

<212> DNA

<213> Homo sapiens

<400> 329

ggttctacca	gtgcctacac	caagagtggc	tactgtgtca	acaggttttc	ttcacttctg	60
ccaggaggca	acaggcgaaa	ctcaacagca	aaagactaca	ccattctaga	ttgcattttac	120
aatgaggtaa	accagaccta	ctacgttctg	gatgtgatgt	gctggcgggg	acaccctttt	180
tatgattgcc	agactgattt	ccgattctac	tggatgcatt	caaagttacc	agaagaagaa	240
ggactgggag	agaaaaccaa	gcttaatcct	tttaaatttg	tggggctaaa	gaacttcctt	300

<210> 330

<211> 300

<212> DNA

<213> Homo sapiens

<400> 330

ggtgttttgt	tctgtagcag	aagcataggc	atactgacaa	tacaaaccga	aatccttcta	60
acgtagtggg	ccttttcagg	ccagcatttt	ttccttgaaa	acctggagca	tgtatccatc	120
ttatagcaga	gatcactttc	acaatgtttg	ggctcttgat	ttgaattgat	gatgtaatga	180
gccctctatc	cagattgtaa	ctaattactc	tgcggaattga	ctggattcca	cacccttcta	240
atattttact	tttctctttt	tatcaactct	cattctcgct	gcatgatca	atggaccaac	300

<210> 331

<211> 300

<212> DNA

<213> Homo sapiens

<400> 331

ctgtgcacac	aaattagaat	ccttgtaaaa	tggccatgat	tctgtttatg	accctggccc	60
tccaaccaga	ccagcctctc	tgccctctgg	ctttttttaga	tcactggcat	ggtttctgcc	120
tactccaggt	gccagtatta	ttttgtgaat	gttttttttc	ttcatatcta	ctcatcttta	180
tactactttc	ctcgtaaaag	gaaactagag	aacatgatct	taaatgaaaa	ccaacgatca	240
cttgccagaa	agaacaggta	actaggcttt	gaaaaaataa	gtagaggag	atagcataat	300

<210> 332

<211> 300

<212> DNA

<213> Homo sapiens

<400> 332

tccttaagaa	tctcaaactg	atttttataa	atccggtaaa	ttagaagggg	ccctcgctat	60
tttctgtgtc	agtcttcatt	ttaaatatgg	atacaaaaag	gatacgccga	gccaatcaaa	120
gacaagcttt	aactttactt	tgaagtgttt	ctgaaatgat	aaaatgtagc	cctagccccc	180
tgccctcaat	tgtaaagtga	gcaaccattg	ctagtaattc	tttaatgtgt	ataaattcaa	240
tttcaggtat	aacaaatgtg	atcatgacat	gaaaatattc	tagaatagat	actgtattaa	300

<210> 333

<211> 300

<212> DNA

<213> Homo sapiens

<400> 333

ctggagggag	acccccaaaa	agaattaggg	tgctaacatc	ccacccaaaag	catcatccca	60
cccaaatgt	tgcttttcat	tctatgtcaa	taatttaagg	tggaatttct	ctcaccctgt	120
ggagatgaaa	gtggcaaaaag	gttgtcccag	cagtgttggg	ggatggggtg	tgacatcat	180
tcttttgggg	gtagatgacc	tgctggctgg	tgggcttttc	tccaggacta	ctgcaggtag	240
agaccctctg	ggcttgtgtg	gagtgggagc	agccgtgttg	ggactatggg	gaggagctgg	300

<210> 334

<211> 300

<212> DNA

<213> Homo sapiens

<400> 334

gcaccagcag	gtagtggccc	ctgtaagcag	ggccagagtc	gggacaaaga	gcaggagtga	60
agcagccaag	agacagagga	ccaggctgga	gccagtgggc	acgcaggagc	ctgcctggga	120
aaagccgggg	ggcaaggctg	gcatgggaat	gaacacctgc	tggtgacacc	tctctgagct	180
tcagttccct	taactagaaa	aatagaacag	gcccgggtgcg	gtggctcata	cctgtaatcc	240
cagcactttg	ggaggctgag	gcgggtggat	catgaggtca	ggagatcaag	accaccctgg	300

<210> 335

<211> 300

<212> DNA

<213> Homo sapiens

<400> 335

ggaagaggga	cgccgagaag	aaggacctgc	ctgtcaccaa	aaacacgctc	aagtgcactt	60
tccggtccct	ccaggtcagc	aggctgcccc	gcagcggcga	ggctgcagcc	acgcccacca	120
tgtccatgac	cgtggtcacc	aaggagaaga	acaagaaggt	gatgtttctg	cccaagaaag	180
cgaaggacaa	ggacgtggag	tctaagagcc	agtgcattga	gggcatcagc	cggctcatct	240
gcactgccag	gcagcagcag	aacatgctgc	gggtcctcat	cgacggcgtg	gagtgcagcg	300

<210> 336

<211> 300

<212> DNA

<213> Homo sapiens

<400> 336

cagagctgta	tcttcagtgg	tgtgatgaag	ctacagtagg	ggagatcact	catgctaggt	60
atggatctcc	ttacccttgg	cctctgaatc	atattttggc	ctatcaaaaa	cagtgggaag	120
tcaaacgtaa	gatgaaagct	attggatggg	gaaagaagac	tctggaccag	gtcttagagg	180
atgtagacca	gtgctgtcaa	gctctctctc	aaagactggg	aacacaaccg	tatttcttca	240
ataagcagcc	tactgaactt	gacgcactgg	tatttggcca	tctatacacc	attcttacca	300

<210> 337

<211> 300

<212> DNA

<213> Homo sapiens

<400> 337

ataggcatac	tgacaatata	aaccgaaatc	cttctaactg	agtggacctt	ttcaggccag	60
cattttttcc	ttgaaaacct	ggagcatgta	tccatcttat	agcagagatc	actttcacaa	120
tgtttgggct	cttgatttga	attgatgatg	taatgagccc	tctatccaga	ttgtaactaa	180
ttactctgcg	aattgaatgg	attatacacc	cttttaatat	tttacttttc	ctctttttatc	240
aactctcatt	ctcgtgcca	tgatcaatgg	accaactatg	cttataacca	caaatggtga	300

<210> 338

<211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 338
 gcttgcactt acacacggaa tcgctgtgca tccgacagag gctgattggc acatggggca 60
 cggggattgt cagctcaaac accgtcagca gcgttgcctc tggaaatggg atttcccaga 120
 acagtaaacg tgtctgtcct tgatttacag agtagctaca ttcctaggaa atccagggtg 180
 cattaaaact caccatgtta cccaggctgg tctcaaactc caggcctcaa gcaatcctcc 240
 tcctgtctcc acacagacgg cttctgcacg tttgngaate tacaggncac tccttgca 298

<210> 339
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 339
 gcagagagaa gggccgttct cggtcgttat caggcccaag agagtcaaca aagggggggac 60
 gaaagggaga caggaagag aacagtgggtg gggctgtaag ttgacctcca ggtggcagaa 120
 aataaagtgt gaagaattga ctgggacaga cagccagggc cctgcaggaa gggcgggaga 180
 ggaagcctgc ggacacctgc cctttgtgat tgaaccgcag acaccaggcc tggcgggggtc 240
 gcttgccctcc gctgccaag ctaaggctcc gctaagctgg tcctgagaac atacttcatt 300

<210> 340
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 340
 ccagcccctc ctctccccgc cttctgggag gaggaggtca cacgctgatg ggcaactggag 60
 aggccagaag agactcatag gagcgggctg ccttcgcctc ggggctccct gtgacctctc 120
 agtccccctg cccggccagc caccgtcccc agcaccgaag catgcaattg cctgtccccc 180
 ccggccagcc tccccactt gatgtttgtg tttgtttgg ggggatattt ttcataatta 240
 tttaaaagac aggccgggag cgggtggtca cgtctgtaat cccagcactt tgggaggctg 300

<210> 341
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 341
 aagctgctag gttccagttt taatttttag ggtagttgg actctgttat gaaaagatag 60
 gttatgggtg ggcgacaggt tgatacagtc ttgaaaaag caggtaatat caaaggattg 120
 gaaagctagc atgcatgccc tcttacctgg gtatcttccc ccttttttcc ttttaaaactc 180
 ttgagcctcc tataacagaa ggattatgtg cttcaaacct tcttntttna ctgngccatn 240
 aagtgggctn gngcccaaaa tatttacttg canaanatcn gtnactggct taaatacttc 300

<210> 342
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 342
 agaagattgg ggatgaggag tgaggagaag gctggagacc agttagaggc taccgtagca 60
 gcgtagagag gctgaaaatc taactagggg ggaagcagcc aggcaggctg gtcctaattgt 120
 tgggagttgt tcagatctgg tggagaggtc attacttata gagttattaa ttataacccc 180
 accttaattg caaagagatt caaagcagta agccatcact ttagaattta atgttctgtt 240
 ttccttttta ttactcatt cagcagctat ttcaatgcct gctgtgtgcc aggtgctatt 300

<210> 343
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 343
 gctgcacagt ggggaagggca ctgggctgga agccctaccc atgtcagggg atgtctgggc 60
 ctcagatttt tattttctag aatgaagata cttacccccc aattgctgag atatttgaat 120
 aaaagtatat gtgaaggatt ttgtaattat agaatgtcct acaaatatga gtagttcggt 180
 tgctactttt ttggcgaaga aaaatattgg gatgcatgaa taatatctac ctaaggtagc 240
 taaggttgta ttcaccccat ttattgaatg ccaaggatat accagctact gctccagatg 300

<210> 344
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 344
 ctgggaagga ataattcaat ttgattggca gatatatata atacagtagg agaataatgg 60
 gagaaagata aattgagact agaataggta gactttaaat gcctgtctgg tttagggtatt 120
 tgaactttca aggtgtggta aatgtttgag taaaggaata atgtgtccaa agattattat 180
 ggaattgtct ctctgcatac ctctatcgct gtttgtcaca gctgtgttct tatgtgactg 240
 attcttcctg aagattagaa actcctcaaa gactgggtat tagagcttat tcttcattat 300

<210> 345
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 345
 aaaaagtaaa gctttttcatg agcacaaatc ccttgcattg tttgatgtta ctgatattcg 60
 taaaatgaat attttttggt ttgttttggt ttattttttt gagacaagtc ttgctttggt 120
 gccaggctg gagtgcaatg gcatgatctt ggctcactgc aaccctgcc ttgogagttc 180
 aagtgattct tctgcctcag cctcctgagt agctgggatt acaggcgctc accaccacac 240
 ccagctaatt tctgtatttt tagtagacac aggggttttac catgttggcc aggtggtct 300

<210> 346
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 346
 agaatgtag cacaaaatgg agaagtcggt caaccttgac cctgtcagag ttcttatttg 60
 aaagccacat tgctgctagt gttcttattg tgttttggat tctgtttctt gccctttttc 120

ttattagcca agtagtaact taaggaagca gataagaaca atgaattttg gactaaagga	180
agtaagaaca atgaaccaga aatcagatag gaatgtggtg ataattgtga catggtcaca	240
tagtcatagt gggagctcat gtgagtaaaa atagcttgat acatttgta agaggcttgt	300

<210> 347

<211> 300

<212> DNA

<213> Homo sapiens

<400> 347

caaagccgtc ccttcaaatc cgtctttgtg ccactgcca tagtcaacc cgtgagaagc	60
acagccggcc ctgggacttt aggacaagg tctcttcgga aagggcggag cagcatgaga	120
aagaatggat ccctgcagag accctccag tccgggatcc ccactctcgt ggtaggctcc	180
ctcagacgca gcccacccat ggtccttcgg cctcagcagt tccaattcta ccagccacag	240
gggatccct cctccccctc agcgtggtg gtggagatgg ggtccaagcc tgccctcacg	300

<210> 348

<211> 300

<212> DNA

<213> Homo sapiens

<400> 348

actcctactc agcccatgga cccgatgagc tggacctgca aaagggagaa ggcgtcaggg	60
tcctggggaa gtgccaggac ggctggtcga gggcgctctc cttggtcacc gggcgagtgcg	120
gcacttccc aaacaattac gtcacccca ttttcagaaa gacctctagt tttccagact	180
ccggagccc tggctctctac accacatgga cgttatccac ctctctgtg tcctcccaag	240
gcagcatttc agaaggtgat ccacggcaaa gccgtccctt caaatccgtc tttgtgcca	300

<210> 349

<211> 300

<212> DNA

<213> Homo sapiens

<400> 349

agaatgctgc cacagatgtg agacgggtgt ggctttcttc agtgggtgat cactttcatt	60
catcttttag cgacaaagg tggggttgtg gttacagaaa tttccaaatg ctactttcat	120
cattattaca aaatgatgct tacgacgatt gcttaaaagg tatgttgatt ccttgcattc	180
caaaaattca atctatgatt gaagatgcat ggaaggaagg ttttgatcct cagggggcct	240
ctcaacttaa taacagggtta caggaacaa aggcctggat tggagcatgt gaagtatata	300

<210> 350

<211> 300

<212> DNA

<213> Homo sapiens

<400> 350

aaaatccggt aaattagaag gggccctcgc tattttctgt gtcagtcttc attttaaata	60
tggatacaaa aaggatacgc cgagccaatc aaagacaagc tttaacttta ctttgaagtg	120
tttctgaaat gataaaatgt agccctagcc ccctgcctc aattgtaaag tgagcaacca	180
ttgctagtaa ttctttaatg tgtataaatt caatttcagg tataacaaat gtgatcatga	240
catgaaaata ttctagaata gatactgtat taaatattgc catgtttaca atatgtaata	300

<210> 351

<211> 251

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (251)
 <223> n = A,T,C or G

<400> 351
 cacactccag gctgagaaag agtaattagg aggcctgagg aggggccgag gaaaggctgt 60
 tggggtgtgc tgggggttgg acccgagcgc cttccctca cctcaaccag agaagagcat 120
 ccggttgctt tttaaagctt ttagcctgcc ctagcaagga caaagcatgt tagattagag 180
 atgcttctgc tgatcgacag gggtcttatt tgaaaacatc tatgatgggg gaggtgnnnn 240
 nnnnnnnnnn n 251

<210> 352
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 352
 atccagatgg gatacctcta aacacgaaaa gaaagaagat tccattagtg aatttttaag 60
 tttggctaga tcaaaagccg agccacctaa acaacagtcc agccccttag taaacaaaga 120
 ggaagagcat gcaccagaat catccgcaaa tcagacagtc aacaaagatg tggacgcaca 180
 ggctgaagga gaaggagacc gcccatccat ggacttatcc agggccatct ttgccagttc 240
 ctcagatgaa aagtccctcat cctccgagga tgagcaaggt gacagtgaag atgatcaggc 300

<210> 353
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 353
 tgtctacact ggccgagtct ctgggtctgt ctacactggc cgagtctccg actgtctgtg 60
 ctttcaactta cactcctctt gccaccccc atccctgctt acttagacct cagccggcgc 120
 cggaccgggt aggggcagtc tgggcagcag gaaggaaggg cgcagcgtcc cctccttcag 180
 aggaggctct ggggtggggc tgctcccat cccccaagc ccaccagca ctctcattgc 240
 tgctggtgag ttcagctttt accagcctca gtgtggaggc tccatcccag cacacagacc 300

<210> 354
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 354
 cccccctctt ctaggatgag cactgtaga tcattaaagt tcctccttga gaggtgagc 60
 cgtagccagg attggggaga gcccttgtct ctggtcagcc ctggagcatg ggatcgtggg 120
 aaagaggagg gggaccaggc ccagggcagg ggtcagaggc ccaggccctg acttcggctt 180
 cccagagatc tctccgcctt agttaagagc atgtgtcggg aaattcctca gagtgtcag 240
 agtccctgta tttttatacc tttttacaat gttaactgtt cagaactgtt ttttgaaca 300

<210> 355
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 355
 cttggaaatg cttctagctc eggacattcg acatgaaaga aatgtgattt tgcagtgtgt 60
 tcggtacatc atcaaaaaag acttttttgg actggatact aattctgcga aaagtaaaga 120

tgtataggca tctggtgttt cagcatacat aactgaagca tgtgaaacag tatcctcctc	180
gttagtagag gaaaaccaa accctttttt ccgtcaaaat tggatttgta attaaattgt	240
aagcctcgta ggatgtatgt tggaatttta agtccttcct ttggttctat gcaaataaaa	300

<210> 356

<211> 300

<212> DNA

<213> Homo sapiens

<400> 356

ccgaagcaga ggacccggac gatgaggctg ggtccactc agcctcgccc agccctgctc	60
aagctgggag tccctccat ggagacacat cacctgcagc caccaccaca cagcgcagcc	120
cacggacctc ctttggtctc ctgacagaca gcagtgaaga ggcactggaa ggaatggtac	180
gggggctgag gcagggtggc gtgtccctcc taggccagcc acagcccctg acccaggaac	240
agtggcggag ctctttcatg cggcgcaacc gagaccctca gctcaatgag cgagtgcacc	300

<210> 357

<211> 300

<212> DNA

<213> Homo sapiens

<400> 357

gacagaccgt tgagaggacg tggaggcccg agagggggta tgcgcggcag aggcagaggt	60
ggccctggga acagagtttt tgacgttttt gaccagagag gaaagcgaga atttgaaaga	120
tatggtggga atgacaaaat agcagtcaga actgaagaca acatgggtgg atgtggagtt	180
cgaacctggg gatcgggtaa agataccagt gatgtggagc caactgcacc gatggaggaa	240
cccacagtgg tggaggagtc ccagggcacc ccggaagagg agtctccagc caaagttcct	300

<210> 358

<211> 300

<212> DNA

<213> Homo sapiens

<400> 358

atcacctgg caggttcccc tcagctgggc tctgcagggc agctaagatt gggcactgat	60
gttcctggct tcagtcctac ccgggttatg cagctacggc ttcatacata caccagttgc	120
actaacctgg gatgaaaatt aagttaaaac cagtagaaaa ttctatccta tgttttggtg	180
gtaaaagaag caaatgaaca aatgaataga ggctgccaaa cagttgtctc accaactgtt	240
ccgactagct aacaagatta gctaggtcat acctagtcgt aaaagaatac tataagaact	300

<210> 359

<211> 300

<212> DNA

<213> Homo sapiens

<400> 359

ctcgattcag cattatacta ggtgcctcc atgtgttttt caaagcccca ttcaagtttt	60
acttctatgg taaactaatt ttacatacac aaatcttttc attttctgaa ctctctttat	120
ggctttactg tcacccact agtatttgat gtcttagcta ttaactaatt cctgatcatt	180
tcacttgtca catcaggaa cctatcctct tagttctccc attgagattt cactgctgga	240
ctaagattat tcttgattcg tagtcattgg tttctgtttc cattcatttt cagcactgat	300

<210> 360

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (293)

<223> n = A,T,C or G

<400> 360

ggagtttttt	ttttcattat	aattttttca	ggaaagactt	atggaaaaaa	atatctctct	60
cccacctcct	tttatcccca	tgagacacag	tttcccactg	taatcagggt	aatatgcatt	120
tgtaagttct	gatatgtgat	tcatttatgt	gatggcaaag	ataagtctgt	cttgaatgca	180
ggtactannn	nnnngtnnac	annttatncn	aatntcaanc	aacnntaatt	nctactacnn	240
ngtnttctga	nnaagangnn	ntnntcattt	agatntngnn	accntnctga	tta	293

<210> 361

<211> 300

<212> DNA

<213> Homo sapiens

<400> 361

gtgatccgca	agttgtggaa	gaaatacgcc	aagcaaataa	agtagccaaa	gaagctgcta	60
acagatggac	tgataacata	ttcgcaataa	aatcttgggc	caaaagaaaa	tttgggtttg	120
aagaaaataa	aattgataga	acttttggaa	ttccagaaga	ctttgactac	atagactaaa	180
atattccatg	gtggtgaagg	atgtacaagc	ttgtgaatat	gtaaatttta	aactattatc	240
taactaagtg	tactgaattg	tcgtttgcct	gtaactgtgt	ttatcttttt	attaatgtta	300

<210> 362

<211> 300

<212> DNA

<213> Homo sapiens

<400> 362

ccaggtagct	ctcaaacttc	ctcctcaatc	cactcctcct	tttacattca	tggaagggga	60
gggggaaaga	agcccagtc	ccaagggtcag	ccagttacac	cagaagcagt	gccaaccaga	120
atatgagccc	cgccctggga	cagggcacag	agccctcact	agcatgctgg	agaggggcca	180
ccccagggtc	tgggtgtccc	tatacccagc	tgcttctctt	caagctggtg	aagccctgc	240
cactgccacc	acctcctccc	ctaccttggg	actttgtgtt	taatcctgga	agtcacaatt	300

<210> 363

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 363

attacctcca	aatctcaagg	cggccttgaa	cattgagaaa	gaactaccaa	agccaagaca	60
cgttttcaga	aggaagacag	cctcctccag	gagcatctta	cccgacctct	tgtcaccgta	120
ccaaatggcg	atccgagcaa	aaagactgga	agagagccga	gcggcggcgc	tcgagagact	180
ccaggagaag	caggctctga	tggagcagca	gagacgagag	aaaagggcac	tgaggagtg	240
gagagagcga	gcccagagga	tggagaagag	gannnnngag	ctcagcaaac	tcctgcctcg	300

<210> 364

<211> 262

<212> DNA

<213> Homo sapiens

<400> 364

cttcaggaac tagatgtata tgcacaaggg attgagttta cactaaaact aggaaatgga	60
gttttcaatc tatgttcttg cctcttcata cttttattta ttttttgtca tcctgcctta	120
tactgggcta acaatgagat aaaataaaaa tacctttgaa tactcttttc cctttcatgc	180
atttaaagcc atggaggaac tagaccatta gctgttgccg tcacatgctt agacaccagt	240
ttacttagcg tgttatgacc tt	262

<210> 365

<211> 300

<212> DNA

<213> Homo sapiens

<400> 365

agttggagaa cattatgctg gagagagaat ataaagaaag ggagatgttg gaaacttctc	60
aagctgctgc tctgtttctg cccaaccgca tgggtgcctgg acctgactac aattcctaca	120
aaagtgccta cagccccagc ccagtggaaac caccaagcaa ggacttctgt aattttttgc	180
ccacctgcct tgatttaacc atgcagtatt caggggtctgg gaatatggaa ctaatttctt	240
ctaattgtcag cgtggccaca acttatatac agtatccctt gtccctcaaga tttttagttt	300

<210> 366

<211> 300

<212> DNA

<213> Homo sapiens

<400> 366

gatgctgttg tgacatctcg gagtgaggat gatgagacaa aagaaaaaca agttcgagac	60
aagaggagaa aaacccttgt tataattgag aaaacctaca gcttactcct tgatgtggag	120
gactatgaaa gacgttatct cctaagtctg gaagaagagc gacctgccct aatggatgac	180
agaaagcaca aaatttttag catgtatgac aacttaaggg ggaaattgcc tggacaagag	240
aggcctagtg atgaccactt tgtacagatc atgtgtatcc gaaaagggaa gagaatggtt	300

<210> 367

<211> 300

<212> DNA

<213> Homo sapiens

<400> 367

cagtctccc cacactcaga gatctgtggg gaagctccgc ccagccacac tccttgggat	60
aatactagcc ggttctgcct gattcctttt ccccgagcc agcctagggg gcccgggact	120
cctctagtga gccttgactg ttaggtaaga gacaggaagc agacaagcca agaggttgct	180
gcagctgccc ccaggaggaa acgggcagca gggagtgtgg cccagccccc actgtacccc	240
tccaggggccc cgagcccttg ccagcccaat gacacctga agtcaccact tttcctttct	300

<210> 368

<211> 300

<212> DNA

<213> Homo sapiens

<400> 368

attttgctgg aactcagac acaatttaga gtatttatat ataacttgaa aacagtaaca	60
tttccaaaaa ccgatgaacc ccacctgtc ccaaggaatg attggtatgt atgtgaagtt	120
cattttctga caaaaataat tacgttccac ttaggatgca caaccatgct gtcctgtaga	180
gaagtcaaa gttttgtgag aatttttaaa ctgatgatgt ttatttccat ggtaacatga	240
gtatacatat taccttctat ttagtgatg aatcacaatt agtctttttt tataggttgg	300

<210> 369
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(294)
 <223> n = A,T,C or G

<400> 369
 atgggaccaa atttaagcaa tttttgtttt tggtgaaga gacacaaaaa tattagagga 60
 caaatatttt tagatccatt taaggagttt tgaagtgcct aagatgacct atttgtcagt 120
 ggtgcaaaat taattctctt cttttttgag ttgtagtga tatgcaattt ctgtgttccc 180
 cttccaccct ttaaattctta ggatgacaag ttataaagaa agaagatctt tgtctgggac 240
 ccccaaaggg atcctttctc taangnctct gacagagggt ccaggaccag acct 294

<210> 370
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 370
 cacactccag gctgagaaaag agtaattagg aggcctgagg aggggcccga ggaaaggctg 60
 ttgggggtggg ctgggggttg taccgagcg ccttcccctc acctcaacca gagaagagca 120
 tceggttgct ttttaaagct tttagcctgc cctagcaagg acaaagcatg ttagattaga 180
 gatgcttctg ctgatcgag gggttcttat ttgaaaacat ctatgatggg ggaggtgtgt 240
 g 241

<210> 371
 <211> 297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

<400> 371
 ccaagtgcga gggagcttgt ggccctttgg tgtttattgc agcagcttta gttctgcagt 60
 ggaggtgggc tggagcaggg gacgaggtct tgggagtctg tgaggccact ctggccgagg 120
 gtgtgggttt gcttcctcag ctgaagggat acatggaaac ccacctttgc atagttcagt 180
 aggggttacg gtgtggttca tggaagccat ttctgtgggt tgnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nntnntnntn ncncagaatn atgagntcaa nanannagcn tgatatg 297

<210> 372
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 372
 gtttttttgt gaacactgat tttattggtg tcttagatcc ctagtctacc caaataattt 60
 taacagtact gttttttcta atcctgaagt ctgatattta tgactcatta gcaggaatca 120
 aaactagtga tcagtagaac actttcaaaa taaaaatttg gaatgcagac ttttatgaaa 180
 atttaaaagt gtccttaac agaatatcat gggttttcct ataaaacttc ttaagtatt 240

gtaattccag tctgccccaa cttaaaaaaa aattcttatt aatatgtcag tcattaattg 300

<210> 373
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 373
 gtcaagttca agtcacacag gtttgctgac tgcgccatat tgttgctgac acaactggag 60
 actggactta ggaatgtttt tgccacactt aacagatgtc caaaaagact cctgactgct 120
 gagtcaacag ctctttatac cacctttgat caaatattgg caaaacactt gaatgatggg 180
 aaaatcaatc agcttcctct tttccttgga gagcctgcta tggaatttct ctgggatttc 240
 ctgaaccatc aggaggggtcc cgcataaga gatcatttaa gccacgggga gatcaactta 300

<210> 374
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 374
 gaggcctggg tgcggaaact gaagtggcca gaactgccta aattcagtca gctgaagtgg 60
 aaggccctgt acagtgaccc taaatctttg gaaacatctg cttttgtcaa gtcctacaag 120
 aaccttgctt tctactggat tctgaaagct ggtcatatgg ttccttctga ccaagggggac 180
 atggctctga agatgatgag actggtttgg ccttggggca cagagctgag ctgaggccgc 240
 tgaagctgta ggaagcgcca ttcttcctg tatctaactg gggctgtgat caagaaggtt 300

<210> 375
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 375
 ggaggcaggg atcaacgtga cgggtgtataa tggacagctg gatctcatcg tagataccat 60
 gggtcaggag gcctgggtgc ggaaactgaa gtggccagaa ctgcctaaat tcagtcagct 120
 gaagtggaag gccctgtaca gtgaccctaa atctttggaa acatctgctt ttgtcaagtc 180
 ctacaagaac cttgctttct actggattct gaaagctggg catatgggtc cttctgacca 240
 aggggacatg gctctgaaga tgatgagact ggtgactcag caagaatagc atggatgggg 300

<210> 376
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 376
 ggaggcaggg atcaacgtga cgggtgtataa tggacagctg gatctcatcg tagataccat 60
 gggtcaggag gcctgggtgc ggaaactgaa gtggccagaa ctgcctaaat tcagtcagct 120
 gaagtggaag gccctgtaca gtgaccctaa atctttggaa acatctgctt ttgtcaagtc 180
 ctacaagaac cttgctttct actggattct gaaagctggg catatgggtc cttctgacca 240
 aggggacatg gctctgaaga tgatgagact ggtgactcag caagaatagg atggatgggg 300

<210> 377
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 377

gatagcttaa	agcaagttaa	caagtaatta	aaatggacag	tttgccatta	aagattttta	60
atagtgggtt	tgcagtgtac	tggcttgaat	tttctggact	tgagttaact	gaaggagagc	120
ctcaaaactat	agtaacttca	tttttaaaag	ttactagaat	ttggtatcct	gatttatatt	180
gcagtgtttc	aaaggtgtca	ctgtcagaca	aatagaaaac	ctgccaaact	ggtgtaactt	240
aagctttcat	ttaactaaaa	cattcttttc	ttgcaaaaact	tatttttcat	gatcattttt	300

<210> 378
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 378						
ataacacaca	tcacagtatg	ctctcagaaa	tttctttatt	tgaaccctat	accaatatct	60
gttgatcaat	gaccattttt	gctcagcatg	gagaaacagt	gccctgcatg	aagggtagt	120
agaataaaaa	ggatcttacc	acctttatca	tgaggggtggc	tttgctctct	ccattccaag	180
ttgttctctg	ttctagaaag	cagatgtagt	agacatctac	tgtttttgcc	taaacagaat	240
ccctttttcc	tttttttgg	aaaagtactc	atccctaata	ttacattgtt	ctggaaggac	300

<210> 379
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 379						
ttagtgact	ggatgtcagg	tcctcaaag	attccttga	ccattttcat	gtgaatgaag	60
aataaatcaa	ttgtctttca	ttgaatcaca	cggacaacct	gctggcttct	gctgacgact	120
ctggggcaat	caaaatccta	gacttgga	acaagaaagt	tatcagatcc	ttgaagagac	180
attccaatat	ctgctcctca	gtggcttttc	ggcctcagag	gcctcagagc	ctggtgtcat	240
gtggactgga	tatgcacgtg	atgctgtgga	gtcttcaaaa	agcccgacca	ctctggatta	300

<210> 380
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 380						
ttagtgact	ggatgtcagg	tcctcaaag	attccttga	ccattttcat	gtgaatgaag	60
aagaaatcaa	ttgtctttca	ttgaatcaaa	cggaaaacct	gctggcttct	gctgacgact	120
ctggggcaat	caaaatccta	gacttgga	acaagaaagt	tatcagatcc	ttgaagagac	180
attccaatat	ctgctcctca	gtggcttttc	ggcctcagag	gcctcagagc	ctggtgtcat	240
gtggactgga	tatgcagggtg	atgctgtgga	gtcttcaaaa	agcccgacca	ctctggatta	300

<210> 381
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (296)
 <223> n = A,T,C or G

<400> 381						
gaactgctgg	ccgagcccg	tgggagtcta	gaaagagaaa	atctgtttct	agacctcagt	60
tattttccca	tttttggtg	ttttgaagca	gtaacatttt	tctcagtgc	catgcaattt	120
gggttttaga	gaagatggcc	accagctggc	ttcctagata	ttttaaactt	ttgttcttta	180

atatgctgtc catggctgag tttattagta catgggctta gcgaccacac aaatattcta	240
ttacgaaact gttncagaaa taaattingca ctgtncattc ntctggcctc gctggt	296

<210> 382
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 382	
gccaaattca attccctttt agtcatctac ttctactaa cagctgtaac taggatgagt	60
caaaatcaat tgcctatgct caccagatcc ctgataaatt cccatgaagc cacctgaaag	120
gtggtaaaag caaggtaaaa cgtggtgaaa gcaaggtaaa gaaggtagat ttcacaattt	180
tgtttttttaa aaaggggaat cttccctgaa ttctttgagg tactaagtac gtggtttaat	240
gcatattttc attcttggtta gcagtttaaa aataatgttt cagagactgt attcacgatt	300

<210> 383
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 383	
gataggccac attccagtaa gaactcaatt tgactcccaa atttgcagaa acaaaacgtg	60
atthaaaaagc tgagcttttt atcagaaaagc ttttttgatg ttttaagtgt tatgtgactt	120
gttgaacttt ttaaaaagtg ctacttttaa aatcccagat actctgaatt ttagaaaaca	180
aactaattct gattgtgtcg tgcccaagta cccttttttt ttaatgaata gggaccaatg	240
ccacattgct ttttatattc ctttctttat taatgatgcc aaaaccaaaa gtagctgtgt	300

<210> 384
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 384	
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taggttctctg ctttgtcttg atctcaatcc attctaactc ctgatgtcat ttaccgtgtg	120
agatcttagt acaatcatga aaagaatatg agcattttatc aaaactctct gacatctgta	180
tgtttagaaa tgaacttaca cagcaaaata tgatttcctt gcacttattt aatttttcta	240
acttcaattt ctacctatgt gtctctgccg gtttgacctg attcagacac ccagaacttg	300

<210> 385
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 385	
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attgatggag gtttttaggt agattcatag aatataacgt atctaccaa gattccgttt	120
tcaagggatc tagaagatgt tagtgacac gcaaaaacca gacaaaacgtc tctacacgga	180
taaaggcaca tatacaatta tgcacacagg gaagggcata cactctattg tgggcacaga	240
atgacatgca attatggaca cacaaaaaca catgcaccca attatggaca ccaaaatata	300

<210> 386
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 386

tgctcttggg	tgcttcctga	ggtgtggttg	cacagggtgg	ttattcctga	atgcaagggc	60
ttactatgat	tttctcttag	tgctctcat	ttctgatgct	ttctgtccta	tgaggtcagt	120
ctacttacta	gttagtattc	tatattaata	agtatgcaa	atgacttaac	tcctccagaa	180
atgttattcg	ttaaaagatg	agatgtgctg	agacaagagg	atcgcttgag	tccggaaggt	240
tgaggctgtt	gtgtgctata	attgggcctg	tgaatagcca	ctctgttcca	gcctgggcaa	300

<210> 387

<211> 300

<212> DNA

<213> Homo sapiens

<400> 387

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ggaacaagga	caatgtcgcc	cgctgctggc	gtgacgaggc	ccaggcccgg	gaggaggaga	120
aggagcgtga	gcggagggtg	ctgctggctc	agcaagaggc	cgtacagaa	ttcctacgga	180
agaaagccag	acatcagaac	tactgacctg	agcttgaagc	agcagaggcg	ggagccccag	240
gttctggccc	tgtggacctg	tttcgggagc	tgctggagga	agggaaagga	gtgatcagag	300

<210> 388

<211> 300

<212> DNA

<213> Homo sapiens

<400> 388

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gccactgatg	gagatgcggc	tccgggatgc	gcctcagcac	ttctatgcag	cactgctgca	120
gctgggcctc	aagtacctct	ttatccttgg	tattcagatt	ctggcctgtg	ccttggcagc	180
ctccatcctt	cgcaggcatc	tcatggtctg	gaaagtgttt	gcccctaagt	tcatatttga	240
ggctgtgggc	ttcattgtga	gcagcgtggg	acttctcctg	ggcatagctt	tggtgatgag	300

<210> 389

<211> 300

<212> DNA

<213> Homo sapiens

<400> 389

ctaggatgtc	tggcacctta	ccgaaggcta	ggaataggaa	ctaaaatggt	aatcatgtc	60
ttaaaccatct	gtgaaaaaga	tggtactttt	gacaacattt	atctgcatgt	ccagatcagc	120
aatgagtcgg	caattgactt	ctacaggaag	tttggctttg	agattattga	gacaaagaag	180
aactactata	agaggataga	gcccgcagat	gctcatgtgc	tgcagaaaaa	cctcaaagtt	240
ccttctggtt	agaatgcaga	tgtgcaaaag	acagacaact	gaacaaatta	caaatgaact	300

<210> 390

<211> 300

<212> DNA

<213> Homo sapiens

<400> 390

cctctctgtc	ataatgtacc	caaaatagag	taagaatatc	atgctttttca	gtaatactcc	60
agtgaatgag	gctaagagta	ccatttttgt	tcttataaaa	gaattttttt	ggacatgaat	120
acaaagatgt	caggttacca	aatcatttgc	tagtagatcc	taacaatatc	acctatagga	180
aactgaacgt	agccttttaa	cattaagtga	tgataatgga	tttggccggg	cgcggttgcc	240
tataatccca	acactgagag	gctgagggtg	gtggatcact	tgaggccagg	acaggaccag	300

<210> 391

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 391
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 attaaaacag tttagtagcc ttcagttttg tgaaaatagt tttcagcaca gaaactgact 120
 tcttttagaca aagttttaac caatgatggg gtttgcttct aggatataca ctttaaaaga 180
 actcactgtc ccagtgggtg tcatgatggg cctttagtaa attggagctg cttaatcata 240
 ttgatatcta atttctttta accacaatga attgtcctta attaccaaca gtgaagcact 300

<210> 392
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 392
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 tttagaaagg tcttctactg tcttcagcaa ccatctcatc ttccagcttc acctgattgt 120
 ccagttatca tacatttgac tttcaaattg atgaaccagc atgtacccca tggattttaa 180
 cttatctacc ccgtggattc aatcttctta tcagaagggt cttttatgtc aaaaaacctg 240
 ctgtcaaggc ttgaagagcc tacacactca atggcaaaca cagcaccgag tctgctctga 300

<210> 393
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 393
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 tgtcggccct gctgcgagcc cacacgccc tccacatggc tgccctcctc ctgcttccct 120
 ggctcatgtt gctcacaggc agagtgtctc tggcacagtt tgccctggcc ttcgtgacgg 180
 acacgtgcgt ggccgggtgcg ctgctgtgcg gggctgggct gctcttccat gggatgctgc 240
 tgctgcgggg ccagaccaca tgggagtggt ctcggggcca gcactcctat gacctgggtc 300

<210> 394
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 394
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 gctcatcctg ctggcggtcc tctgcttct gctgtgtggt gtcacagctg gttgtgtccg 120
 gttctgctgc ctccggaagc aggcacaggc ccagccacat ctgccaccag cacggcagcc 180
 ctgcgacgtg gcagtcattc ctatggacag tgacagccct gtacacagca ctgtgacctc 240
 ctacagctcc gtgcagtacc cactgggcat gcggttgccc ctgccctttg gggagctgga 300

<210> 395
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 395
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 gtgtaacccc ccggtctccc cctgcccac ctcaccacc cagagaagca cagacccgc 120
 caggggcagg ggccaccgc acaccctgt cccgggcctg tctgggactg gccttcccg 180

ctcagccagt gaggtcaga agggacacaa agagggatgg aagaaaagaa caaagagaaa 240
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<210> 396
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 396
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 atttcctatg tgtcccatcc caatcaatcc ttccctctt gctggctcca aacaatgact 120
 ctttcctatc ttattagaaa gattagaatt gcttttctag agttccagta atggaatcat 180
 acagtgtcta agtctgtttg tgggtctgta acaaaatacc tgagactggg taatttataa 240
 attataggaa attatttctc acagttctgg atgctgaaaa gtctatgatc aaggcactag 300

<210> 397
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 397
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 taacttaaaa aaactacata taagatagtt ttgcctgttt tcagggttct ttccagtgtt 120
 ttaggtattc agtattttaa tcacaaaatt tgtgatttga acattttttt cttccttcat 180
 gagattttaa gtggattgat acttgctttc cattctgtcc cgatgtctga cctttgtaat 240
 gtaaagaaga acattttgtt taattgagag aagtctgctg tgttcttgtt gatagaggac 300

<210> 398
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 398
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 ttgcttttcc ttccctaatt catacaatga atgtatttgg aatacttaca tattataaaa 120
 taaactatac ctcttcaaga ggtatcctgt tctgtaagat cagatgtttt tattgcaggt 180
 caatataata gtccagaga cagaaaatac ccccttatca gtcccttagt gcctctttcc 240
 tgtttgtggc atggtgagaa aacccatgct gaaaagattg tactttgtga tccccctcag 300

<210> 399
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 399
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 gagtgcaggc gcatcgaaaa ctgttggaag aacagaatgc agagaaggcg aggaaagccg 120
 aagagatgag gcggcagcag aagctaaagc aggcctaaact ggtggagcag tacagagaac 180
 agagctggat gactatggcc aatttgagga aagagctcca ggagatggag gcacggtagc 240
 agaaggagtt tggagatgga tcggatgaaa atgaaatgga agaacaatgaa ctcaaagatg 300

<210> 400
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 400

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tcagaattaa	ctgttcaaaa	tggtctgaat	catgtagata	catggcaggt	aactgtttat	120
gggagaaaag	tacagtgtctg	ttacgtggca	ctgtacagtc	atgtgccacg	taacagcgtc	180
tgggtcagtg	acggacactt	acctgacagc	ggatccacaa	tattctcgtg	cagtgtgttt	240
ggaatcctcg	tctgggctct	cgtcgttggc	ctttagatc	aagtagggga	agtgagtgat	300

<210> 401

<211> 300

<212> DNA

<213> Homo sapiens

<400> 401

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tgctgacacc	cagtaggaag	tatcccattt	ttatcaggaa	agtcagtcac	gcgtagggat	120
ggtagaggaga	cgcgtagggg	tggtgaggag	gggagaggag	ggagacctgc	tggtgccctt	180
gcaccagggg	gaggcctgac	tcacgctgct	tccccccaca	ggcctgctt	tgcttgccctg	240
ctttttccag	aatcgatttt	gcaagcttca	agattctgtt	cccctcttcg	cagaagttag	300

<210> 402

<211> 300

<212> DNA

<213> Homo sapiens

<400> 402

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tagaggaagt	agattagtgg	ttgcttcggg	atgggaggaa	tggaagatt	gaggtctttc	120
ttttgcagtg	ataaaaatgt	cctaaaattg	actgtagcga	tggtcacaca	actctgaata	180
tgcttaagac	cattgaatta	cacactttac	gttggtgaat	tgtatggtat	gtaaattata	240
gttcaataac	atagttacaa	aagataatca	aaagcatgaa	agcactgttg	atgtgggtttg	300

<210> 403

<211> 300

<212> DNA

<213> Homo sapiens

<400> 403

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aggcagacga	atgaggaata	aaggtcagag	aaggtcagag	ctgagtgcag	tttggaatcc	120
accccgttta	ttgtagaact	gggggttcag	agggcaggtg	cctcagagtt	gaggccacac	180
agtgaggtct	ggtgggtgaa	aggacccagg	aacgaggcgt	tcaggaaagc	aggttgtcag	240
agctatgtgg	agtctgtggg	tggcaggggc	agccgctcca	gcctttgaag	actttgaaag	300

<210> 404

<211> 300

<212> DNA

<213> Homo sapiens

<400> 404

gggattacag	gcatgaccca	ccgcgccag	cctgtaattt	cttatacttt	gtattttgta	60
cttgatattat	gcttctgata	cgctataatt	atztatgtac	atgttttttt	tcttcaatag	120
actgtgaact	cttcgaatgt	aggactccta	gagctagata	ctcaattatt	ttttattaaa	180
ttgaatgact	tgaaactaca	gatcctttat	ttaaacttcc	caaatttctg	ctttatctag	240
gcaactcttt	aaattctttt	atctcatgta	gatttcaaag	gctgaaataa	ttgagatttt	300

<210> 405

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 405
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 tttgtagcat cagaatttgg aaaccattac ttatatcaaa ttgcacatct tggagatgat 120
 gatgaagaac ctgagttttc atcagccatg cctctggaag aaggagacac attctttttt 180
 cagccaagac cacttaaaaa ccttgtgctg gttgatgagt tggacagcct ctctccatt 240
 ctgttttgcc agatagctga tctggccaat gaagatactc cacagttgta tgtggcctgt 300

<210> 406
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 406
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 gtgactgtct ggcaaggcca aaggcatcag ggaaggtaaa atactgaaac tatattttta 120
 aaaataaaaag tattcccttt tgagtgtgaa ttaggaatca atgccccttc tcaactacttt 180
 tgtgaaaaaa atcacagttc ctgcagcaag tctatgcctg ggtaacaacc aaccacaaa 240
 atccaagagg aggtccccct ctccgcctc tgtgaggctt gaggagcagt atgtatctgg 300

<210> 407
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 407
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 agtcttccag ttctggagt ttgtggaaac cttggacagc cccaccatgg aggcctacgt 120
 gactgagacc gctgaggagg tgctactggt gcggaatctg aactcggatg atcaggctgt 180
 tgtgctgaag gccctgagat tggcgcccgga ggggcgtctg cgaagggacg ggctgcgggc 240
 cctcagctcc ctgctcgtcc atggcaacaa caaggtcatg gctgctgtca gcaccagct 300

<210> 408
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 408
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 taaggttgca gaagtagaag cacaagattt gacagctcat tagatattaa agaagaccaa 120
 tgaatcagga gatggtaatg ccaagattta gaccgctgg aacgatgatg agttggtggt 180
 ggtgagagta agtagtgagc ataatgatat gttgaaatca gtaggaagat tgtgtttgag 240
 gaaaatataa ggtatccgtc cattcattct ttatttatte ctgttaatct ttaaaaagct 300

<210> 409
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 409
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 tctaccttct caaaccccc agccggcaca tcacacaccg gacaccagga cccaagcca 120
 gcagacacag gatctgctaa cgcagctggc agctgaggtg gctatcgatg aaagctggaa 180

aggaggagggc ccagtgaccc tccaggacta tcgcctccca gacagtgatg acgacgagga 240
 tgaggagaca gccatccaaa gagtccctgca gcagctcact gaagaagctg ccctggatga 300

<210> 410
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 410
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 accaaaatcc aagctaggat ggggacagag gcctggagac aacctgctgg cctccttcca 120
 ttaaagccat tacagtgtca ccacaggatt gtaagaatta caaatgcgtt ttccagagtc 180
 cccagagaaa aaggagtctg gcagtttaga gagtaaagtg catctgtcaa caaaagaaat 240
 accaaagatg agactacagc agcgacttgt cacctcttcc gtgttgctac tgcttgagaa 300

<210> 411
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 411
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 aaaatagttc tggtgaattt caccctggca atgtaaattg atagcttacc ttccagatg 180
 ccagacaatg gacaactcac catcagtcct ctgctcacct gagacaaatg catgtctgat 240
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<210> 412
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 412
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 tctctgatgg ggagcagtat tgcattggtg ttgagaactg aggcctctgat gttagaactg 120
 gattctgact taaccactg tttgccaca tcttgagcct tggtttccct atctgtaaaa 180
 tggcagtatt ctccggctgg ctgaggaaa gaaatgaggc caggcgcggt ggctcaggcc 240
 tgtaatccca gcactttggc aggcctgaggc atgtggatga tttgaggcca cgagtttgag 300

<210> 413
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 413
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 cctatctacc agttgaatgc tccttgctt aaagggcaag aacgtgcgga tttatcaaat 120
 agccttgagg aaatatatat tcagaatata ggtgaaagta ttctttacct gtgggtggag 180
 aaaataagag atgttcttat acaaaaatct cagatgacag aaccaggccc agatgtaaag 240
 aagaaaactg aagaggaaga tgttgaatgt gaagatgatc tcatttttagc atgtcagccg 300

<210> 414
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 414
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 acgtccatca gtccactaga gggcatcaca acttggttta tgagataatc aaacatatga 120
 tgtaatttta aagggtttac atttttaaaa atttaatagg gtatcagtta actaatttta 180
 cttagatgga acttctgtaa gcttagtagg tatgcttaaa taaagcctgc taataaaata 240
 gagattcaga ctcaatagaa tggttttaca tatgtaatat atgtttttaa cagcataaaa 300

<210> 415
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 415
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 tgaactcatg gctaaaaaag aaagagaaaag tcagatggaa ctttctgctc tacagtccat 180
 gatagctgtg caggaagaag agctgcaggt gcatgctgct gatatggagt ctctgaccag 240
 gaacatacag attaaagaag atctcataaa ggacctgcaa atgcaactgg ttgatcctga 300

<210> 416
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 416
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 cgagatttat ggtggcaggg aatccctcca agtgtgagag gcaaagtctg gagcttagcc 120
 attggcaacg agttaatat caccacagag ctctttgaca tctgtcttgc cagagccaag 180
 gagaggtggc ggtcccttag cacaggaggc tctgaagtgg agaacgaaga tgctggtttt 240
 tcagcagcag acagagaagc cagtctggag cttattaaac tggacatttc tagaacattt 300

<210> 417
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 417
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 agagctttgg ttgagtatag attctcctag gcttaccgta gagttacatc ctgataagcc 180
 cattataagt tgaaaatggt tttagccgtg gtggctcatg cctgtgttcc cagaactttg 240
 ggaagggtgag gtgggcgcatc acttgaggcc aggagttcga gaccagcctg ggcgacagag 300

<210> 418
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 418
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gtgagagggga gacagaggtt tgtgaagcgc tttgcacacc tgggcatctg gtcagtgttc	180
agtaaatgcc agctgggctc agtgggtgcac tcctgtaatc ccagcacttt aggaggctga	240
gtggggagga tcacttgaag ccacgagttc agggctcagc ctgggcaaca gagaaagaca	300

<210> 419

<211> 300

<212> DNA

<213> Homo sapiens

<400> 419

gagacgtgca gctgtccaag gctctgtcct atgccctgcg ccatggggcc ttgaagctgg	60
ggcttcccat gggagctgat ggcttcgtgc ccctggggcac cctcctgcag ttgccccagt	120
tccgaggctt ctctgtgaa gatgtgcagc gcgtgggtgga caccaatagg aagcagcggt	180
tcgccctgca gctgggggat ccagcactg gccttctcat ccggggcaac cagggccatt	240
ccctgcaggt acctaagttg gagctgatgc ccctggagac accgcaggcc ctgccccga	300

<210> 420

<211> 300

<212> DNA

<213> Homo sapiens

<400> 420

ggaagcagca ggggtccaggg gtagaagggc tcccagaccc cgagaacagg accgagacgt	60
gcagctgtcc aaggctctgt cctatgccct gcgcatggg gccttgaagc tggggcttcc	120
catggggagct gatggcttcg tgcccctggg caccctcctg cagttgcccc agttccgcgg	180
cttctctgct gaagatgtgc agcgcgtggg ggacaccaat aggaagcagc ggttcgccct	240
gcagctgggg gatcccagca ctggccttct catccggggc aaccagggcc attccctgca	300

<210> 421

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (295)

<223> n = A,T,C or G

<400> 421

accaagagaa cgcggtcaga aggaggtgga actggggagt cctctcaggg agggacangc	60
aaaagactca aagtagatgg acagaaaaac tgctgtgagg aggggaaaga ggagcagcag	120
ggatgtgcag gggacgggtg ggaagacagg gtagaagaga tggttatgga ggttggagag	180
atggtgcagg actgggccat gcanagecct gggcagccag gggacctgcc cctgaccact	240
ggaaagcatg gnncccctgg anaagagggg ctagtncatc actgcagccc tggct	295

<210> 422

<211> 300

<212> DNA

<213> Homo sapiens

<400> 422

gtgggaactt cccctactcc ctggatgtgt gtacctagca cacttccttc tcccaccct	60
ttttccagtt ggatttgttt ttctgttctc ttctgtcctg tcttatactg caactgtgtc	120
tcctagggga cagatggcct tctttgtcat cttcactctc cccccaga gaggagtcag	180
agccataact caatcactca gcccctccaa agatagttaga tgtgtgataa tctcataatg	240
ttgagaacct tgatgagata cattgtcttc ctctccctac aatgcctctg gggccaaggc	300

<210> 423
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 423
 cttatcctgg tggatgtgct attttcttna aggagtatga agcccttttc tancatcmt 60
 cccagtggag cggagtcttc agtgnnccag tactccatag tgcaatccat attaataggc 120
 ttcttctctt aagtcttcat ctcttctttt gcttaattac tgaaccgtaa attcccttca 180
 gagaaattta aatgctggta ttggacttt ataatgata cttttttag tttcttttaa 240
 tttttgaaag atgaactgct tcctttt 267

<210> 424
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 424
 cctgggtttcc tgtcccttag tgggtgggcc gtgggcaaac gccttaactt ccgtgagctt 60
 tgacagtctg tctgggaggc agggctcagg catccctggc ctcttggggg tgggtgagag 120
 ggagacagag gtttgtgaag cgctttgcac acctgggcat ctggtcagtg ttcagtaaatt 180
 gccagctggg ctgagtggtg cactcctgta atcccagcac tttaggaggc tgagtgggga 240
 ggatcacttg aagccacgag ttcaggggctc agcctgggca acagagaaag acacttgctt 300

<210> 425
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 425
 gggaattgct cttctctccg aggtctgtt tctttagtct atcaggaagt ggcagctctt 60
 tgaataagt ccttttcttc tcccatctgc cactttgtc ttccctctgg acataatctg 120
 ggggttcagg agcttccagc tgtgcagttg gccacaggac taggggagcc cccttccctt 180
 ccagaccagt gtccacatac ctttccctgt gccacacac cttccctgt gccgcactg 240
 tcacccacca caagcctact ccagcaggag caccacagcc ttctgcgggc acgtgtgca 300

<210> 426
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 426
 atttcaggac cagtgaagaa tagtcaattt aggatctaatt tatttgcttt gtaggtttat 60
 gtattgcca tttggggtag atttaggaaa atattttcta aatccaagag ttcaaaacca 120
 ggctggacaa catagcaaga ccatatctct accaaaaaaa aaaaaaaaaa nnnnnnnnnn 180
 nnnnnnnnnn tngcccnngn ancccnant tnttggngng gntgngngng gngngcnntt 240

gggccnnngg gggtnagggg tgcaggggcc ctnggcc

277

<210> 427
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 427
 ctgatctaag gagctttatg atggagttga agatgctttt ggaagttgcc ttaaagaata 60
 gacaagagct gtatgcacta ctcctcctc cccagttcta ctcaagcctt attgaagaga 120
 taggaactct tgggtgggat aattttaaaa tatttttctt gctggcagcc accagaaact 180
 ggaagaggca aggaatagat tctctcctag agcctccaga gggagcacat ctttgcctgac 240
 accttgattt ttgcccagtg aacagatgtg gaacccctgg cctccagaac tagagagaat 300

<210> 428
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 428
 tttctataca atttttcctt ctgatccaga gacacggaaa aacaaagggc aagatggaaa 60
 taagggatga gaagggtctat gtggaaaaac agttacaact ggagtggtaa ctgcaaaaac 120
 caagcagctt catgtgatcg ttaggacaga agaaatttct cctttgtagc ctgagcaaat 180
 attctcaaaa tttaatgcgc atgttaatca tttggggatc ttttattcat ttttcatgt 240
 ggggatcttt taaaaatgca aattctgatt tggtaatgtc ggagttagtc ctgagcttct 300

<210> 429
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 429
 gaatcatcga aggttgagac cgtgtctagt tacatagtta taaatacca tctatgtact 60
 gatgccttct aaatgtctat ctccagtatg gtcttttcct ttaagctcta gatccattga 120
 caccctcacc atctctaaaa ggcatttcaa actgaacaca tctgatacag aacttttcat 180
 ttccttccca actttgcca cgccagcctg ctctccttc acgctttcca cttagtatat 240
 gatcccaacta ttcactcagt ctctgaagct taaaacctag gattcatcct tgactactgt 300

<210> 430
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 430
 caatcagtga taagctatat tttgagtttt aaaattgttt ttacaattac cctgttttg 60
 agtatatatc ttgtcaaatc attctaataa atatttgctg ataactgtgt ggaatacata 120
 aatggtaggt agaaatttgg aagaatcact acatatttcc agttatcatt ctctgtgtaa 180
 attcatgctt taaaaatatg agaagttaaa gtgccttgga tattatttta ttttctatat 240
 tttgtcccat attgtattgt ctaattttca ttgaaaccac ataacatgct tgaataggca 300

<210> 431
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 431

tggtctggtat tataggtgca caccaccaca cccaactagt tttttgtgtt ttttagtagag	60
atgggggtttc atgatgttgg ccaagctggt ctcgagctcc tgaccccagg tgatccaccc	120
acctcggcct cccaggggtgc tggaattata ggcgtgagcc actgcgcacg gcctggggag	180
gttttatttc ttgacaaagg tatttgatac tcgtgcagac cctggagggt ctcaactggag	240
agacaacatt taggctgaga tctgattaac aggaggcagc tgcagtgcag aggtcaaaag	300

<210> 432

<211> 300

<212> DNA

<213> Homo sapiens

<400> 432

cccaggctga caggggctct gccgtcttta acatgtgact ttctaggtca gtcattctggt	60
cattgctttt ccacacagca gataagacaa aggagtggaa atagaggggt agagattttc	120
tcttaaacgt gtgaggctgg agtggatgac ttcatgggca agaacctggt cctagcctgc	180
ctagctgaaa ggaggggagt cagggagatg cactttgcag ccaaaattct gttgccaaga	240
aggggaaagt agatttggtt gattttgatc tgtgtttgct gctgtgttac tctataattc	300

<210> 433

<211> 300

<212> DNA

<213> Homo sapiens

<400> 433

cacctagctt tatcatttgt aaaatgagtc tctaggtaca gccctttctg gggttgagac	60
agagtttctg aggagtaaaa gccatgtcat tgtggaaaaca gccagctatt ctcacagctg	120
gcatgagccc actactcccc tataatcagt gctgataaac tgctctcatt tgttgactt	180
cagactttcc tgaccactt tgaatggggg ccactttgaa tggaaacttt ctatgtattg	240
aattaaaaga tctccaagat aaatgggttaa atgaaaaagc acagtgcaaa agggcatatg	300

<210> 434

<211> 300

<212> DNA

<213> Homo sapiens

<400> 434

aagataaaaag agataaggaa gaaaaagaaa gcagcagaga aaaaagggag tggctctgta	60
gccccagaag acgcaaattc agatctcctt cccctagaag acgatcttcc cctgtcagga	120
gagagagaaa gcgcagtcac tctcgatctc cccgtcacag aaccaagagc cggagtcctt	180
cccctgctcc agaaaagaag gaaaaaactc cagagctccc agaaccttca gtgaaagtaa	240
aagaaccttc agtacaagag gctacttcta ctagtgcacat tctgaaagtt cccaaacctg	300

<210> 435

<211> 300

<212> DNA

<213> Homo sapiens

<400> 435

agagtcaagg aaaagtgcaa gatagatcta tcccatttct tcctccacct ggagattcct	60
gagctatgct cagcctctgt ggggcaggga agactgggga cttttttagt caggatgctg	120
agaagtaatt cctgctgggg ccaggcatct tttcagggtc gctgtgatgc caacaaagaa	180
ggggccccag gccatcctt actcctggtc ccaaaaagga tccaagtggg atgggaagct	240
ggcagcacca acccacttgt agattaacaa caacaacaaa acaccaacaa ataaaaaaa	300

<210> 436

<211> 300

<212> DNA

<213> Homo sapiens

<400> 436

aagaaaggct gcctttgagt tgaccaacca tgttgagggt gtagatgggt gctaaactca	60
ctgtagtctg agtaattgac ttccacaagt catccccact gttgagcctt tcaaaatgaa	120
gtctcagtat atttaccat taatggacat cctctctggg gattagtcatt attctaattc	180
aacaaagaca ttgtttgaag tttgtttttg tttgctaaat gaactaaaaa ttatgagatt	240
tgacacataa ggtactgagg taaaggagag ccaaaagtgg ggtagtcaat ctacttattc	300

<210> 437

<211> 300

<212> DNA

<213> Homo sapiens

<400> 437

accaggaata atctagggct cattagagat gtcaaagatc tgttctagtt tcttaacctc	60
aaacaagagt gtttttagttc cattttatag gcggggagtc tgagccaaac atgttatgtc	120
actttccaag tctccatagc acagaagtct tctgtctccc catcctgact ttcccagctc	180
atagggactg tcaaaggcag cagctctggc cggctgtgat gcctcatgcc tgtaatccca	240
gtaatttggg aggctgaggc aggaggatca tttgaaccca ggggttcaaa accagcctga	300

<210> 438

<211> 300

<212> DNA

<213> Homo sapiens

<400> 438

gcagaacatt tctcaagaat cctcttgagc cagtaatcaa tctgtctca aaaaatgttc	60
tttgccattt cctagatact gcacaaaagt ggccatgtcg acatttgtcc acccaccctc	120
caataagctg gagcgacaaa gggacattcc atccctgtac ccttagtggt agccatgaca	180
cgatggccag atcatggact cgggaaagct ttctgttttt actggaaaca tagcaaacct	240
tgatttagct ccaagaaatt gagtagggaa atatttgttt tttagcaatt gtcataagtaa	300

<210> 439

<211> 300

<212> DNA

<213> Homo sapiens

<400> 439

cagaaattca aataattctt ttctgcttca atgccagcag aaggctcccc aggtagacat	60
ggagaagcac tttgttttaa ataggagggt ttcatagttg catctgaagc cacctgggtc	120
tgtaaaactg tategtgcag gttttgggtt tggcattatt catgtttctg atcaattcta	180
tgcaactctc atagttcctg ttacttttta gcattagctg ccaaattgact tcaaaaggct	240
ggggtgggtg acttgactgt gagactggat tataacatgg acaaatctta ttttgcttaa	300

<210> 440

<211> 300

<212> DNA

<213> Homo sapiens

<400> 440

tcccaggaat ctttgttgta tattaatttt tgataacat ttgattaact ttaaaattaa	60
gtatatgtgt gtatatatac atatgtatgt ttatatacac acatgtatct gtatagtttt	120
atatatacat atatacacat agacatacag agaaccacta ctttgtaata gtgtacagtt	180
tgttttatat ctctttactt tttttgttac tattttatct ggccagcgta atagttttat	240

ttagattttt taaaattctg tagattaaag caaatgacag ttattgaact atcacaaaac 300

<210> 441
<211> 300
<212> DNA
<213> Homo sapiens

<400> 441
gtcccttgct cggggccatg gagacactgc ggccagtacg gcggcgccctc tgtctgaaga 60
aggggaagtg acctccggcc tccaggctct ggccgtggag gataccggag gcccctctgc 120
ctcggccggg aaggccgagg acgaggggga aggaggccga gaggagaccg agcgtgaggg 180
gtccgggggc gaggaggcgc agggagaagt ccccgagcgt gggggagaag agcctgccga 240
ggaggactcc gaggactggg gcgtgccctg cagcgacgag gaggtggagc tgcctgcgga 300

<210> 442
<211> 300
<212> DNA
<213> Homo sapiens

<400> 442
gcttgccgct gcggggagct cccgtgggag ctccgctggc tgtgcaggcg gccatggatt 60
ccttgccgaa aatgctgac tcagtcgcaa tgctgggagc aggggctggc gtgggctacg 120
cgctcctcgt tategtgacc cgggagagc ggccgaagca ggaaatgcta aaggagatgc 180
cactgcagga cccaaggagc agggaggagg cggccaggac ccagcagcta ttgctggcca 240
ctctgcagga ggcagcgacc acgcaggaga acgtggcctg gaggaagaac tggatgggtg 300

<210> 443
<211> 300
<212> DNA
<213> Homo sapiens

<400> 443
tttcctacat tcggaggetg ccctctgacg tcgtcaccgg ctacctggcc ctgaggaagg 60
ccacgagcat cgttccctga gcccagaaa gggagatgaa gtggaaagct gtttcaaaaa 120
cagactctgg actcatgatt ttgtttcacg gaaacaaact cgttctgctg tcaatctgaa 180
aatgccagtg cgtgccttg gaaagaatgt ttggctttaa ttttaagggtt ttttttttta 240
gtgtgtgttt tccctccaag tgtgatattt cctgctgaat taaattatac ttcagttgtt 300

<210> 444
<211> 300
<212> DNA
<213> Homo sapiens

<400> 444
ctcggagcca ccccggaaga ccatgcgcag aggggtgctg atgaccctgc tgcagcagtc 60
ggccatgacc ctgcccctgt ggatcgggaa gcctgggtgac aagccccac ccctctgtgg 120
ggccatccct gcctcaggag actacgtggc cagacctgga gacaaggagg ctgcccgggt 180
gaaggccgtg gatggggagc agcagtggat cctggccgag gtggtcagtt acagccatgc 240
caccaacaag tatgaggtag atgacatcga tgaagaaggc aaagagagac acaccctgag 300

<210> 445
<211> 300
<212> DNA
<213> Homo sapiens

<400> 445

ggttaattcc	ctgaatccta	cttgaacatt	gtataaattt	ctctttgcat	ataatacata	60
tttgtgaatg	agacatatcc	ccaaaaaatt	cttatctctg	tatgtgattg	gaaaagaaaa	120
gatcacattt	gtatattcaa	caatctttca	cctatttcat	aagtcatttt	ttcacccctgt	180
atagtatggg	aattatTTTT	tatgttaaatt	agaaactgaa	tgtactgggt	tgaatgggtg	240
cctctccaaa	attcatgtac	ttcctggagc	ctcagaatgt	gaccttattt	ggaaatactg	300

<210> 446
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 446						
gnctttnaaa	accatctact	tgttcttttt	gcaggatccc	atngangtcg	ggagaatgct	60
ggccacagat	ggtgctgccc	aacaggccca	taccactcgt	tccagtcaga	ggtgcttggc	120
ctttggggat	gatgttcgtt	gttccaatca	gtctcttcca	atgaccagac	actgccttac	180
ccatatttgt	caggatacga	atcaggttct	cttcaagtgc	tgccagggat	ctgaagaggt	240
accctgcaac	aaacctgttc	ctgtaagcct	ctctgaggat	ccctgctgcc	cactgcattt	300

<210> 447
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 447						
gccagatcct	gcaggagagc	gcatgcaga	aggctgcgtt	cgaggcactc	caggtgagga	60
aagacctgat	gcatcggcag	atcaggagcc	agattaagtt	aatagaaact	gagttattgc	120
agctgacaca	gttgaggtta	aagatgaagn	nnnnnnnnnn	ngaatgccta	nntgagatna	180
tttgacctgg	tccttntttg	natttgaccc	ggncanac	tacanggtca	cttggttcat	240
ctnctggacc	cctgcttntt	ctgggctgng	cnntnaatgc	ntncttccct	tnagagaaca	300

<210> 448
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 448						
ggtgctgtca	cttggatttc	tagctttggg	agcctgttcc	acctactcag	ctctgcattg	60
agcagtatgg	gcacatgccc	tgtggacagt	tactggacgt	taatgaactc	agaggagaaa	120
agcagtgagc	cacttgttct	gtgtgattta	tggtacttca	ttgctcttcc	ttcacctcta	180
gtcactttct	attgtacct	gccctacatt	ggctcctgcc	aaggtccctc	tctctccctg	240
ttttcctttt	tttttttttt	nnnnnnnnnn	nnnnnnnnnt	tgcnttnncc	cccaggttga	300

<210> 449
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 449
 gccaaagcctc ggcctccact gcacctgctg cggagtggca cctttgcctg caaggccctc 60
 taccccatgg ccagtggtca tctcagcagg gtctttggcc actcaggagg cccttggtgt 120
 gggttgctca gtctgtcctt ccctcatgag aagctactgc ttatgtccac agaccaggag 180
 gagctgtcac gctggtacca cagtctgact tgggctatca gcagccagaa aaactagagg 240
 aatcttatag attccagaac tcaggatacc tcagggatag gtcacagcca agagtacaaa 300

<210> 450
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 450
 gccaaagcctc ggcctccact gcacctgctg cggagtggca cctttgcctg caagtcccg 60
 taccccatgg ccagtggtca tctcagcagg gtctttggcc actcaggagg cccttggtgt 120
 gggttgctca gtctgtcctt ccctcatgag aagctactgc ttatgtccac agaccaggag 180
 gagctgtcac gctggtacca cagtctgact tgggctatca tcagccagaa aaactagagg 240
 aatcttatag attccagaac tcaggatacc tcagggatag gtcacagcca agagtacaaa 300

<210> 451
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 451
 ccattgttag catcgtacac gattgtgatt tttatgtcaa aagaagccaa aacttgcaat 60
 actattttta gcagacaaaa aaaagaacta agtataaaat gtataaatat ttttgacttg 120
 aacatttgga tggcactggg tgcaagtaga gcatccatcc ttcggtatgga atgtttggaa 180
 aaaagagact tttaaaaagg agacggttgt tttaaagagt ctgtttagggt gttaaagtac 240
 tgtaactcac gactgttaaa aaataaattt tctgtgctg taaaggaagg tttcacagta 300

<210> 452
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 452
 gcaggatgtg atgtcaccca gatgcagagg atactcagtc aaccaacatt tactgagcat 60
 ctacttcgtg ccgtatgtct tgtcaacgga aaggggtccc tatccagacc ccaagagagc 120
 attcttggtat ctcttgcaag aaagaatttg aggcgaatcc atagagtaag caaggcaagt 180
 tacttctata tagaaggggtg cacccttaca gatcaaaca tgcttagtga tgtgtgtcag 240
 acctctgagc ccaagcaaag ccatcatatc ccctgtgacc tgcattgata catccagatg 300

<210> 453
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 453
 cctgaggtca catgtggatt tggccagagc cttcaggagg tggaggccgg tgaggtcagg 60
 agcccagctc tccagggggc ttctgccctg actgggaagg gtgcctggct ccctaaaaa 120

atgtcaaagc	cagtcctgct	gttctctgtt	gccagggggc	aggtctgggc	ctgggccaac	180
cacgtttgtt	atcatggctg	ctgccttctg	gacagctgcc	agctctgcct	tgagagggtg	240
tgggacctct	ggatccagct	gacctgacag	gtcatctact	cagggaggag	ccctgtgctc	300

<210> 454
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 454						
cacctcctag	gttcaagcga	ttctcctgcc	tcagcctccc	aagtagctgg	gactataggc	60
atggggcacc	actcctggct	aactttcgta	tttttagtac	agatagggat	tcaccatgtt	120
ggccaggctg	gtcttgaact	cctgacctca	ggtgatctgc	ccgcttcggc	ttcccaaagt	180
gctgggatta	cagttgtgag	ccactgcacc	cagccaggaa	tgacatttca	aattattcaa	240
ttttgctatc	aacaccttaa	tataaaacca	aagaggtaag	catgctgggt	actatagaac	300

<210> 455
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (221)
 <223> n = A,T,C or G

<400> 455						
ggggcgccca	ttactgaaag	cctgcacatg	aggagtgggt	tttctctctc	tctcctctnc	60
aacattgagt	tgatgatgat	catgatgttt	gagacagtgt	ctcactctgt	cctgcctcag	120
cctcctgagg	agctaggacc	acaggctcat	gcctccacat	cctgctacat	tttttatatt	180
ttttgtagag	ttgggggtctt	gctgnnnnnn	nnnnntttat	a		221

<210> 456
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 456						
gaaggcagtt	atatggtttt	ttactttttc	atcaattcca	taccatcggg	agtaactaaa	60
tgaaacatac	ttcaaagaaa	gaagtcaa	taaatgactg	tcattgccca	ttaataaaaa	120
caacaatctg	agcttaacaa	aaaatttaac	aaacagggaa	gacagaaaga	tggtatatatt	180
attgcctgac	tacactggca	taactcactt	taacaaaaat	tatcacattt	aataatataa	240
cctgttatag	ctaaatatta	aacacatatt	aattagggcc	aactttgaag	gattttcta	300

<210> 457
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 457						
aagtagctgg	gactacaggt	gccaccacc	atacctggct	aattttttgt	atttttagta	60
gagacagggg	ttatccatgt	tggccaggct	ggctctcaaac	tcctgacctc	aagtgatcct	120
cctgcctcgg	cctcccaaa	tgctgggatt	acaggtgtga	gccaccatgc	ccagccaata	180
atttcctgat	ataataaaaa	tgccaatact	atacaattaa	atagtaaagt	gataaaaaat	240
aggataacat	gataaccact	aattaatata	tactacataa	tcatectttt	cgtgagttga	300

<210> 458
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 458
 gcagctgtgg agagaactgt acgtggtaag ggggagatat aagatgtcct gcataagtat 60
 tttccctgta gattgcaaag tcatctatgg agaggaaagg tccaaaatag tcaactgggga 120
 gagcaggtga attagatggc caagcagggg ggatggatca tttgagggtt ggggtgacag 180
 atcaactgag atccacttac acttctgaaa acgcaagaac actttagaac attaacaaca 240
 cttaaagctt ttacatcat ttgtaaataa ctggtggaac ttaacaccac aaaataaagt 300

<210> 459
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 459
 cacactccag gctgagaaag agtaattagg aggcctgagg aggggccgag gaaaggctgt 60
 tgggggtgtgc tgggggttgg acccgagcgc cttccctca cctcaaccag agaagagcat 120
 ccggttgctt tttaaagctt ttagcctgcc ctagcaagga caaagcatgt tagattagag 180
 atgcttctgc tgatcgagg gggtcttatt tgaaaacatc tatgatgggg gaggtgtggg 240
 aag 243

<210> 460
 <211> 260
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (260)
 <223> n = A,T,C or G

<400> 460
 cacactccag gctgagaaag agtaattagg aggcctgagg aggggccgag gaaaggctgt 60
 tgggggtgtgc tgggggttgg acccgagcgc cttccctca cctcaaccag agaagagcat 120
 ccggttgctt tttaaagctt ttagcctgcc ctagcaagga caaagcatgt tagattagag 180
 atgcttctgc tgatcgagg gggtcttatt tgaaaacatc tatgatgggg gaggtgtggg 240
 aannnnnnnn nnnnnnnntg 260

<210> 461
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 461
 ggcaggtcat gttttcaaga gtagccagaa gtctggattc ttatgcaaag cctgttttgt 60
 tgtttgtttg tttgtttgtt tgaagtttgg cagcagattt aacattttta aagtactgtg 120
 caggccaaac aaaacacgcc tgttgactgg ttgtttgcca tcctaaatat aaagtggggc 180
 ccatgtgtgg tggctcacac ctgtaatccc agcatttttg gaggccaagg caggaagatc 240
 acttgagccc aggaggtcga ggctgcagtg agcagtgatc gcaccaccgc actccacctg 300

<210> 462
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 462

gccagggtgtc attgcacatg cctgcagtc tggctactag ggaggctgag gcaggagaat	60
tttttgcacc cagaagttca aggctgcagt gagctatgat cacaccatgg cactccagcc	120
tgggcaatag aatgagaccc agtctctaaa aaagtagaag ttaaaaaaaaa agattaagaa	180
tagatgtagg gcagcagaat ttcgaacttc ttttcagcat cacaatactt taaaacagtg	240
attgtcatct gcctcaaacc cattgcctct cacataggaa atattttgaa acatattttt	300

<210> 463

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (268)

<223> n = A,T,C or G

<400> 463

gctgcactnt ggcctgcatg cactctggcc tgcattggcag aacaagaccc tgtggaagaa	60
atgaacactg gtattagact taaagattaa atttcctcaa acatgtccta tctgtagtag	120
ttcaactaga caccttttaa agtgcctcta aattcatcag atggccaaac tgtatttata	180
atccacttag gcattttgaa aaactttcaa cctgtaaaaa gttactttta tcttggattt	240
attatgaaga actttgtagt tgctttgt	268

<210> 464

<211> 300

<212> DNA

<213> Homo sapiens

<400> 464

catgagttaa aggatatttt cagtcctgtt atcttcaatt gcagtcctta aaaaaaccca	60
ccctattgtt ctacttgta tatgtctatt catacagtaa attcatttca aggtttatgc	120
cagtgggtat tattgggtct ttttgaagtt gaggtgaacc atccaggaag gtcttggttaa	180
tggtatgttc atctataatg gcatagggga aatatatata tttttaatat tgtaaacatt	240
tgactgaat aacctttttt tccccccctc cgcaagcaaa actggttgaa cagcggatga	300

<210> 465

<211> 300

<212> DNA

<213> Homo sapiens

<400> 465

attagctgct tgtggtgggg ccccaaccgc cctcgggcac tggggagctg ggctggggct	60
gctgctctgg ggtctccggg ggccacagct tgggggtgag tgaagacctc aggggatgtg	120
gaggggtctg cggggccctg gccgcacagg atggccttca gggaagggtg tcttggggca	180
tggtgcagag caggtgaccg gagggaatcg gtgacggagc ggggccaagg gaggggtccg	240
gagggagtca gggatggagg gcagagggag tggatgtggg ggtttgagga cgtgtgacaa	300

<210> 466

<211> 300

<212> DNA

<213> Homo sapiens

<400> 466

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gaaaagggag cgcgcgagcg cctacgggag tccggcggca gcagccggtg cgggcaacca    60
egggcagctc tcaggggaatc tccgtcgtga ggccagaggc tccagtcccc gcgagtccag    120
atgcctgtcc agcctccaag caaagacaca gaagagatgg aagcagaggg tgattctgct    180
gctgagatga atggggagga ggaagagagt gaggaggagc ggagcggcag ccagacagag    240
tcagaagagg agagctccga gatggatgat gaggactatg agcgacgccg cagcgagtgt    300

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<210> 467

<211> 300

<212> DNA

<213> Homo sapiens

<400> 467

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agtggctgag tggaggcgcc cagacctggg caggcagcag gctcaggccc acaccttggtg    60
atTTTTgaaa ccaaagccca gaagatgatg tttacttctc tctccctggc tctgcccttc    120
ttactgcaaa ccatgctgtg ccttagggcc cttctcatag ctgttcctca tggccatgac    180
tggaacaggg atgcaacctc tttctacaca agcacagtta gttgggtgaa gtcttttttt    240
tgtttgTTTT agacggagtt tcactcttgt tgcccaggct ggagtgaagt ggcgtgacct    300

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<210> 468

<211> 300

<212> DNA

<213> Homo sapiens

<400> 468

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ctggaaatga aattattatt ttcaccata gtagcaataa aaagaatact cagtaatacg    60
tatggaatac tacttagtca taaaaaggaa tgaaataatg gcatttgtag caacctggat    120
ggaactggag accattattc taagtgaagt aactcaggaa tggaaaacca aacgtcgtgt    180
gttctcactc ttaagtggga gctaagctgt gaggacgcaa aggcctaaga atgatacaat    240
ggacttttga gactcagggg aaaggggtggg agggcggtga gggataaaac agtgcacact    300

```

<210> 469

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 469

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gacagtacct tcccccccc tttcatggcc cattttattg tctgcctttc agtactaagt    60
atgaccgttc ctatctcaga tcttaataaa gagaaaaaaa aannnnnnnn nnnnnnaatn    120
nggccttant tgantatact ngttagcaag cgtgngngac agagagtggg gaaagctnca    180
tcattgaana tttngataaa ctttaccgac ttgagtntgg tncatntntc cctttnccta    240
aattaactag cactgnctgn aagncatttn nctgtctgac gnnntntccct tccattctgc    300

```

<210> 470

<211> 300

<212> DNA

<213> Homo sapiens

<400> 470

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actgcctcct tccacacgag tgcccctttg gccaaagaag attattatca gatattagga    60
gtgcctcgaa atgccagcca gaaagagatc aagaaagcct attatcagct gctctgctca    120
gttagttttt attcccgggg taccaagcag ctgcacagtc ggtgcctggg aggcacgtag    180

```

aggcccttg ctcaggcaga gggagatggt tagactcttg cagggctaaa actctaattt 240
ggaattgaat attgtggata tcttagttaa aggccatgct tacagcttag aatgaagcc 300

<210> 471
<211> 300
<212> DNA
<213> Homo sapiens

<400> 471
ttttttaaga gataaggtct tgctatgta tctaggtctg cctaaacttc tgggctgaag 60
tgatcctcct gtgtagctgg gactacaagc atgtgccacc aatgcctggc ttctcacact 120
gttttgtaac atagatatgt gaagatgtgt attatagaat tgtttgtaat actgtagtgt 180
tgtaggcaat gtgactgtct atagggaagt ggacagggtta tttgtggtaa atactcatgg 240
aaaacgggtca agcagttaaa agcaatcaat tatggtcacc cagcaatgca gataaatctt 300

<210> 472
<211> 300
<212> DNA
<213> Homo sapiens

<400> 472
agaacaggga gaagagagga agagggagct gcagggtgcca gaagagaaca gggcggactc 60
tcaggacgaa aagagtcaaa cctttttggg aaaatcagag gaagtaactg gaaagcaaga 120
agatcatggt ataaaggaga aaggggtccc agtcagcggg caggaggcga aagagccaga 180
gagttgggat gggggcaggc tgggggcagt gggaagagcg aggagcaggg aagaggagaa 240
tgagcatcat gggccttcaa tgcccgtctt gatagccctt gaggactctc ctcactgtga 300

<210> 473
<211> 300
<212> DNA
<213> Homo sapiens

<400> 473
atttgactaa atcattgttt cacaactgaa tagtcttggt ctttttagtag caatgaaatc 60
ctaagctctt gaggccattc acctgccaac ctgaccatac tgctttcaaa agtcttttct 120
catcagtaga atctattttg gtcacttcta gtcaatgaaa aatgtaaaact tttagggagag 180
aatgtttcct aggactcacc cactccattc aatgttacat ataaaatagt gtgatcaatc 240
acaatgtcca tcttttagaca gttgggttaa taaattatct ggtctttgaa aagaccgtgc 300

<210> 474
<211> 300
<212> DNA
<213> Homo sapiens

<400> 474
aacttaaagg tagttttaga aggaagtaca aattggcttt catcttgcaa acaatcgttt 60
tttacttcat tatcttaatt tgctttgtca ctcataaaaa ggaaaccata cctgagttgt 120
agacaatgag gaaacacttg aggcttctgc tgtgtgttct tttgttattg ttgttattgt 180
tgttactcag taacttgaat attgtttaat gtgttgtaag acgtagagtt tatctcaagc 240
tgttaaaaat ggtaatgtac aaatgtgaat agacacttat ctatataata tgggtaagtt 300

<210> 475
<211> 300
<212> DNA
<213> Homo sapiens

<400> 475

ttacttttga ttgtgtctga tgggaactga gttgttgcc	tttgtgaaat gaaatttttg	60
gctcttgaga aagaattctt atgaattgtt atgcgaattt	tatatattta aagagggaga	120
tctgggctg ttatttttaa acactttttt tcataatata	tattccgagt agatatttat	180
aaaatatatg tttctttcat tatgtgtttg taaaattaga	gtttaaataa atatgctttg	240
atgcatagtt ttgaactaat gtaacatgat ttttctttt	taaaacagcc tgaaaatgta	300

<210> 476

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (293)

<223> n = A,T,C or G

<400> 476

tcatattagt gttgccanga gcaaaagggtg ggnagggtg	tgactttnan agcacagnag	60
naanttttcn tgttgttggt cgnttatctn gattgtgtta	gtgccacacn gnctgtatgc	120
atttttcata attcncanan ntgtatncta atnagggtgc	acttcactgn acataaatga	180
atctcaacag acaaaagggtt aaatcatttg ttcattcctt	taacaagtat gtgtcgagt	240
cctactatgt gctgggcact gtaggttcaa tggttaagaaa	agcagatata ggc	293

<210> 477

<211> 300

<212> DNA

<213> Homo sapiens

<400> 477

gatgagttct tttctttctt tccacctcct gcaaattatg	tgatttgcat aatttgtaca	60
tagttaggtt catattgtag tttgtattcc ttttggttc	ccccatatcc tcgttgactt	120
tttctttctt ttgtaactta catatgttat gaaatttata	tgaggatata taattttcat	180
aaatgtttat ggtttacatg tattagtgtg tattattaag	atcaccctgg gattgactgg	240
ccaagcattt ggtggaagat agcaataaat aatacatcat	aaaagacttt aatgtaaaaa	300

<210> 478

<211> 300

<212> DNA

<213> Homo sapiens

<400> 478

aagccaggag cgaggggact aacagcgcac cccctccacc	agtgccgacg gaaaccccg	60
tttaaattaa aaaataagcc agtatacatc gtagaaaatt	tctcttaaaa atctcacaat	120
ttgtaaatgt atattttttc tttaacataa aagtttacia	tataccgtaa aacaaaaggc	180
tcaggaaaat aatttcctaaa aaaaaggaag aaaaagaaac	ctgaagtgtt gaattaaagc	240
tgaagacatt tttttaaac	ctgttgtga accagtgact tttttttatt	300

<210> 479

<211> 231

<212> DNA

<213> Homo sapiens

<400> 479

cctcccagggt tcacgccatt ctctgcctc agcctcctga	gtagctggga ctgcagggtgc	60
ccgccaccac acccggctta ttttttgtat ttttagtaga	ggtgggggtt cactgttagc	120

caggatgggc tcgatctctt aacctcgtgg tccaccggcc tggcctccc aaggtgctgg 180
gattacaggc gtgagccact gcgcctggcc ttgggttgtt atactggggt c 231

<210> 480
<211> 300
<212> DNA
<213> Homo sapiens

<400> 480
gttccccctct tcttgtgaga ctggtccagg cagcccttct ggacactgca tgatcacagg 60
agcagccctc tggcccataa tgacggccct gtcttcgcag gtggccactc gggcccgag 120
ccgctgggta agggatgatc ctacgctggc ttattgcacc ttccttttgg cggttggctt 180
gtcgcgaatc ttcattcttag cacatttccc tcaccagggt ctggctggcc taataactgc 240
tggtgtcact ccactctcct aggcgctgtc ctgggctggc tgatgactcc ccgagtgcct 300

<210> 481
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (300)
<223> n = A,T,C or G

<400> 481
gtgatcacaa gggtcctttg ctgtggaata gtgaggtggg tgagtcagag gcagagtgat 60
gcaatgactg aaagactttt ccagccatct ccggctttgn atncggaagt cggatcatgag 120
ccagggnntg caggcaggct ntgggagctg naaaaagcaa ganaatggnt tctcccctgg 180
agcctccaga agggatgcgg tcctgccaac cccttgctcag tgagccnttt cagatttctg 240
acttcaggga ctgtaagana atnancttgg cttgtcgaac ggnttcagan ttcaancact 300

<210> 482
<211> 300
<212> DNA
<213> Homo sapiens

<400> 482
cctacttatt ggatgttggc tctttggtgt catggagatg gctttactgt aggtttgttg 60
tgttgcatta cttttcattg ggattgaact gagaaataac aaacaagctt taagtgggaa 120
attaaaaaaa agaagtaacc tatgtagatc caaacttaaa atgtgagaaa ttattgaaat 180
ttcattttct acaaacttga aattagcctg ctaattgtaa agttgtttta ataagtctga 240
caaagtgcag ttacgtttgc aaaggagtgt atggttctag gtatttgctt actgttaacc 300

<210> 483
<211> 300
<212> DNA
<213> Homo sapiens

<400> 483
gggtgcagtg gctcactcct ataatcccag ctttttgga gtcctatgca ggaggattgc 60
cagaggccag gaatttgaga tcagcctggg caacatagtg aaactctcat ctttataaaa 120
agtaatatata aaatttttaa aagtgtataa actgtaaagt atattttact ggtgttttct 180
tccttattcc tacttgtcag atgcaaatac acatttttgt gtgtttgtgt ttagtaatta 240
taagtataca tatttcttct atttcatata tttctatgac attatatctt agatgtgtaa 300

<210> 484
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 484
 caaagaggta cagagtgaag acagtgtcct cctgtttgtt attgcatgga cgatcacgga 60
 aatcatccgt tactcctttt atacattcag tctattaaac catctgcctt acctcatcaa 120
 atgggccagg tacacacttt tcattgtgct gtacccaatg ggagtgtcag gagaactgct 180
 cacaatatat gcagctctgc cctttgtcag acaagctggc ctatattcca tcagtttacc 240
 caacaaatac aattttctctt ttgactacta tgcattcctg attctaataa tgatctccta 300

<210> 485
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 485
 gtgaggctct cttaaaaaat ttaaaaatac tgaagaaaca aagggaggag tttgtagaat 60
 ctggagtggg ggaaacttct gtgtcaccaa acacagaaac catcaaagaa aatctttcac 120
 ttccaaaatt agtctataga aaaaaaaaaa aaaatcttaa cccaaataag agactgaggc 180
 aagagcttca atcaatcgag gtttactgag ccagagtggg agcgtgcca ggaaagcaac 240
 acaagtcaaa gaaacgtctg tggcctgtgc tctcccaaga agttttcagg aggctcaata 300

<210> 486
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 486
 cattaataac acacaagact tcaattgctg ggtcctccat tgattaatga aaaaatgatt 60
 gtttttggaa tttgagtgaac acacttctta atggctgagt aggggtggctt acgcctgtaa 120
 tcccaccact ttgggatcac ttgaggccgg gactttgaga ccagcttggc caacatgagg 180
 aaagcacgtc tttactaaaa atacaaaaat tagctgggcc tgggtggctca tgctgtaat 240
 cccagctact tgggagtctg aggcgagagg atcgcttgag cttgggagggt ggagggttga 300

<210> 487
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 487
 gtctagtata atcttgatgc tcaaaccaga taaggacaat acaagaaagg aagagtatag 60
 gctaattcta cccaataact aaatgaagta ttagcaaacc agattcatca ataattcttt 120
 aaaaatcaag aattaattgg atttaggaat ataacactgt gtataacaag ttaagagaa 180
 atatatgaga atgataagac tgcaattgaa agtagaggct ttctctggag ggaaagggtga 240
 ggaggatgtg atttggaaga acagcatggg gaggcatcag ttgtattgta atgtttattt 300

<210> 488
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (271)

<223> n = A,T,C or G

<400> 488

aancnangtn atnncaaggg tnattggntg nggaatagng aggtggatga gtcagaggca	60
gagtnatgcn nnnntgaaa gacttaacca gccatcacgg gctttgaata cggaagacgg	120
tcatgagcca gggaatgcag gcaggctctg ggagctgaaa aaagcaagaa aatggattct	180
cccctggagc ctccagaagg gatgcggtcc tgccaacccc ttgtcagtga gccatttcag	240
atttctgact tccaggactg taagaaaata a	271

<210> 489

<211> 300

<212> DNA

<213> Homo sapiens

<400> 489

aagacctgca gcttcagcat cacttgagaa gttgttagga atgcatacta gtgggccccg	60
ccccagaca tagtgaatca gaaaccaaca gggaggcgcc tagcattgtt tttttaacaa	120
gtgctgggtt attctgatgc acagtctagt ttaagaacca ctactttggg taaacgtttt	180
gactgtttaa agtttatggc ggtgaagtgg gcattctcaa agactagtac ttacacagtt	240
tagaagattt caaggtactg ctgacagtag tttattatgt cagtatacat acgtgtagag	300

<210> 490

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (275)

<223> n = A,T,C or G

<400> 490

gcactgtggc gctcacctgt aatcccacca ttttgggagg ctgaggcgga ggaccacctg	60
aggcaaggaa ttcagaacca ctctgggcaa cataatgaca ctaacaaaga ctatctctaa	120
tcaaggctag aaccaaggga aggctaataa ttgcccagta ctgtgcatct actgaaagcc	180
ctacccaagg ccaccannnn nnnnnnnctt ctntntatg ncnantcnga aanaacngna	240
acnttcacnt tnttgactga cgactgtcna cncat	275

<210> 491

<211> 300

<212> DNA

<213> Homo sapiens

<400> 491

tgatgcctta gtcacttggc cacacagttt tgtggtttac gagtcattggg aattgcttgt	60
cttactctga ctgctaaggt tctgtcctat tgtcttttca tgtaatagca acatgactct	120
gatgacaaag cccaactaat tacacaactt aatttaatag tttaaagcgc aaagggcatt	180
ccctgagcag taaaatcttt tgtttggaaa ttttaaaaca aattatatctt tactttatgt	240
tttatattta cgtaataagt atttacaaga acacaatttt ctcaagattt aaactgtcga	300

<210> 492

<211> 300

<212> DNA

<213> Homo sapiens

<400> 492

gtcaactctc	cttgggtgagt	gcctcagaac	ttaggaaaag	agaacagcgc	atgtctctct	60
catgaagatg	acagaggaca	aaagcaagca	gaaatataca	aggatttgcg	tactctatta	120
tgaatttctc	tttgagaaat	aatacctgtg	agaatgctgc	tccttcaatt	aggttcagga	180
ttggaggaaa	aatcatataa	aataggttcc	tgcaataata	ttgcccttg	agtatgggtg	240
ggcttgtgac	ctgctcagt	ctaaggaaat	gcagtggaaa	tgatgctgtg	taacttctga	300

<210> 493

<211> 300

<212> DNA

<213> Homo sapiens

<400> 493

ctgacaactt	gattgggttc	tccttcaggt	ttgaagcgcc	ctcgagaagt	gtctaaagga	60
gacagttgat	agccaaacaa	cagttttgga	ttcactgact	gattatgaaa	gaagcagtag	120
actgggtatca	agaatcagtc	agcaaggagg	ccctcaccag	acgccagtgc	catgttcttg	180
gacttctcag	cctccatatt	catgaactaa	gtttttggaa	tccttaggct	tccacgtgtg	240
gaaagcctga	gctaacctac	tggaggatga	gccatcacct	ggagcagatt	caggccatcc	300

<210> 494

<211> 300

<212> DNA

<213> Homo sapiens

<400> 494

gtcactctgt	cacccaggct	ggagtgcagt	ggtgtgatca	tagctcactg	cagcctctac	60
ctcctgacac	aagctgtcat	cccgttttgg	cttctcaaag	tgctaggatt	ataggcgtga	120
gccaccatgc	ccgaccagtt	tctgttttta	ttaaaattgt	tcacagtttt	atacattcat	180
gttcattaaa	aatgctatct	agaaaagagt	ttgataaaat	aaatattata	caaaattcga	240
agaaaaaaga	aaagagtctc	tgtttcagtc	acaaattagg	gttattgtga	tgtgtattta	300

<210> 495

<211> 300

<212> DNA

<213> Homo sapiens

<400> 495

gaaaagttaa	aaaagacatt	gagtgatgta	atccaccctg	ggggcaatag	ccatattgcc	60
aatgggtgcg	ccgggtgtgt	ggcaacatta	cttcatgatg	cagccatgaa	ccctgcggaa	120
gtggtcaagc	agaggatgca	gatgtacaac	tcaccatacc	accgggtgac	agactgtgta	180
cgggcagtg	ggcaaaatga	aggggcccgg	gccttttacc	gcagctacac	caccagctg	240
accatgaacg	ttcctttcca	agccattcac	ttcatgacct	atgaattcct	gcaggagcac	300

<210> 496

<211> 300

<212> DNA

<213> Homo sapiens

<400> 496

gttatgaaaa	attattccca	ggtcctaagt	tcactcttag	gaactttctaa	cattgccacc	60
ttgatttcag	aattatgtgc	accaataact	atgttggtcc	tctcattttt	tccacttttg	120
agcaagaagg	tcacatggca	gttaccctct	gcctgtccta	ccattgtctt	ttgggtatgt	180
gttgggcagg	taatttgtct	cttaagttcc	agaaacgaga	ttgagagaag	caatatatat	240
tcaaggagca	gcatttaagg	aactacctac	acccaggaaa	tttcatctgt	acctgcacct	300

<210> 497

<211> 300

<212> DNA

<213> Homo sapiens

<400> 497

gtcacatctt	aaatggatgg	tggcagacaa	aaagagagag	cttatttagg	gaaactctgt	60
ttttaaaacc	atcagatctc	atgcaactta	ttcaccatca	caagaacagc	agggcacaga	120
cccatcccca	tgattcaatc	atttcctact	gggtttcttc	cacagcatgt	aggaattatg	180
ggagctacaa	gatgagattt	gggtggagac	acagagccaa	aacacatcag	atgccatgga	240
aatacaatga	ggaaaagaca	gtctttccaa	taaactgtgc	tgggaaacct	ggctatccat	300

<210> 498

<211> 300

<212> DNA

<213> Homo sapiens

<400> 498

gcaaccttcg	cctcctgggt	tcaagtgatt	ctcctccctc	agcatcccaa	gtagctggga	60
ctacaggcac	gtgccaccac	accagctaa	tttttgcatt	tttagtagag	gcagggtttc	120
atcatgttgg	ccaggctggg	ctcaaactcc	tgatctcaag	taatctgccc	actttggcct	180
cccaaagtgc	tggcattaca	ggaatggagc	caccgcgccc	agcctgattt	ctttttttag	240
gtcttgtcag	gaaagatatt	gattcttttg	attcgtgaac	atggtttttg	gtcgtcttta	300

<210> 499

<211> 300

<212> DNA

<213> Homo sapiens

<400> 499

cttaacagag	aaggtacctg	aggctcaaaa	aggatgactg	acagtcctag	tggcagaatg	60
gaggtgggat	ctggaacca	caacttgatt	cctaggactc	ttttttttta	attcccacat	120
tggctgggtg	tgggtggtca	cgctgtaat	cccagcactt	tgggaggctg	aggtgggtgg	180
atcacctaag	gtcaggagtt	ccagaccagc	ctgaccaaca	tggtgaaacc	ccgtctgtac	240
taaaaataca	aaaattagcc	aggcatgggtg	gcccatttcc	tgtaatccca	gctactcagg	300

<210> 500

<211> 300

<212> DNA

<213> Homo sapiens

<400> 500

gggctgacct	taagataagg	agatgatcct	ggattatctg	ggtggacca	atgtaatcac	60
aagggtcctt	aactgtggaa	tagtgaggtg	gctgagtcag	aggcagagt	atgcaatgac	120
tgaaagactt	aaccagccat	caccggcttt	gaatacggaa	gacggtcatt	agccagggaa	180
tgcaggcagg	ctctgggagc	tgaaaaaagc	aagaaaatgg	attctcccct	ggagcctcca	240
gaagggatgc	ggtcctgcca	accccttgtc	agtgagecat	ttcagatttc	tgacttccag	300

<210> 501

<211> 300

<212> DNA

<213> Homo sapiens

<400> 501

ctgagatctg	cttttactga	agtggatcaa	tgatgaaact	agccaaatct	gagcatcaga	60
aggctttccg	gtctacctga	tgcatgatct	ctacagtctc	gagaagcaga	actataaaac	120
aatgtaaaac	aataagggca	tatgtctggg	gtgtgtgtgg	ggggtgtgtg	tgtgtgtgca	180
cccacacgtg	tttataaagg	tagcagttgt	aggaatgaat	gagattgggg	gtgagggggg	240

gcatatgtat gtctatgaaa gcctaatacat ttctgggcaa tgatgtaaag gttttacgac 300

<210> 502

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (260)

<223> n = A,T,C or G

<400> 502

caccatcgaa tatttttatt tattttgaga gacagactct gtcacccagg ctagtcttaa	60
actgttggtg aatcttaagt gattctccca cctcagcctc ccaaagtgtc gggattacag	120
gcatgagcca ctacccttgg ctgtgatcaa gtatttagtn nnnnnnnnnn nnnnnnntaa	180
atagtctgaa gtagagaaaa tagcacccaa tctaanataa ggtgagggtc anncacttat	240
ttaannctnc nttntnmtc	260

<210> 503

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (294)

<223> n = A,T,C or G

<400> 503

gctatgctaa acagccttta catgtatggt ctgggttaaag ttcctttggt ccttttggtt	60
taataaaatg tgtcactgat ttttttagctc aaaatcatca ctgttaattt ccagtcaccc	120
caaatatggt taaaagattt ttttttttaa tcatgaagag aaaattagta gcatttcctt	180
ctctcccat tatttattgg ttttcctcac taatctttt ttttttannn nnnnnnccaa	240
aaatatnat ctnggtttna cntttnaatt nccntnctta atnggaattt tttt	294

<210> 504

<211> 300

<212> DNA

<213> Homo sapiens

<400> 504

cagaacttca cagcagcctg tctcatcag caacccaacc accttcatca gcaacccaac	60
caccttcac agcaacccaa ccacctcgtc agcaacccaa ccacctcgtc agcaacccag	120
ccaccttcac cagcaaccca accacctcat cagcaaccca gccaccttca tcagcaaccc	180
aaccacctca tcagcaaac aaccacttcc atctgcaacc caaccacttt catcagcaac	240
tcaacacctt catctgcgcc caaccacctt catcagcaaa ccaaccacct tcttcagcaa	300

<210> 505

<211> 300

<212> DNA

<213> Homo sapiens

<400> 505

gccagctac gatctatatg ctgtcatcaa cactatgga ggcagtattg gtggccacta	60
cactgcctgt gcacgcctgc ccaatgatcg tagcagtcag cgcagtgcg tgggctggcg	120

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cttgtttgat gacagcacag tgacaacggt agacgagagc caggttggtga cgcgttatgc 180
ctatgtactc ttctaccgcc ggcggaactc tcctgtggag agggccccca gggcaggtca 240
ctctgagcac caccagacc taggcctgc agctgaggct gctgcagcca gggactaggc 300

```

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<210> 506
<211> 276
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (276)
<223> n = A,T,C or G

```

```

<400> 506
ccaagtntnc ancanccacc aaanggnntn nccgnatgtg gtccttatac acaatanagt 60
gntantcatc catacnaaaa gaatgagatc ctatcatttg caataacatg gatgaaacta 120
aaagtcattg tgntatgnga aatnagncag gcncagaang tcanaatatc acgtgttgtc 180
tcctcntctn taggannnnn nnnnnnnaag ccattctgaac tgacagagat ggagaatgga 240
aggatgggta ccagaagttg gtggggaagg gggagag 276

```

```

<210> 507
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 507
aaaacacaca cacacacaac acaatgtttt cacgcctgta aacctagcac attgggaagc 60
caaggtggga ggattgcttg aggccaggag ttcaaggctg cagttagcta tgattgcaca 120
ctgtactcta gcctgggaga cagagtgaga cactgtctct aaaaaaaaaa aaagtttttg 180
aaccttaaaa tactttgttt gaatttctaa tcatcattca aaagagcagt aaaaaatggt 240
tacttgttct tgtacaagct actaattaga ctatagtagg atatttttaa gagctgaatc 300

```

```

<210> 508
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 508
tgaagccagg aaagggggtg ggctaggggg tgctgtttta ggtagagtga tgggaacagc 60
cccactgagc aaacttttagc cacatgagta gctggaagaa aagccttcta ggaccaggga 120
acagcaagtg caacagccct gagacaggat gggcttggtca gtttgaggag cagtgggagg 180
cctgaaccag gttacatggg gccagccag tatggccacg actttgtgtt ttatccagag 240
tacaaaggag cctcactgag ggacaaggga agtggtcatga tgtgaccgcg atattaagag 300

```

```

<210> 509
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 509
gcctgggaaa gctggtgcgc catgaatatc cgcaggagca cgcattgacct gggggccatg 60
gacggatggt tgtacgccgt ggggggtaac gacggtagct ccagcctcaa ctccatcgag 120
aagtacaacc cgaggaccaa caagtgggtg gccgcatcct gcatgttcac ccggcgagc 180
agtgtgggtg tggcggtgct ggagctgctc aatttccgcg cgcctcctc cccgagcgtg 240
tccgtgtcct ccaccagcct ctgaccaccc taccaccaga ggcctgcagc ctcccacatg 300

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<210> 510
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 510
 tgcaacatca ctgatatcag catcctttaa aatattatct gcttcttggt ctaagagcaa 60
 caaagctggg aattccttat agagttattc acaatgcctc cataatgaat gctgtaggct 120
 gctgtgggtt acagacatca aagtaaagga gcagtctttg gaaaatctaa tcaagggaag 180
 gaagatctat gaacctccac ggtatatgag tgtaaaccac gcagcccagc agcttctgga 240
 gattgttcaa aatcaaagaa tacgaggaga agaaccagca gttaccgagg agacactttg 300

<210> 511
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 511
 gtatcacctg agcaaatctt ttaaattata cattctgtga tatttccttg actttcttat 60
 ccagcacttg tattgattat ttttcatttt gataatgttg ggttttttaa aactccttta 120
 tgatggaaaa tttcaaacat acacaaaagt agagagagaa tggataata aaccactca 180
 gttttaagga ttgtcaacta ataccagttt tatttcatgt atgactcaa caacttcccc 240
 aaccagcctt cagattattt gaaagcaaat ttcagacatc gtattttact catacatttt 300

<210> 512
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 512
 gggcatgggg ccaggaccag gggagaggca cagctccttc ctgagcagcc tctcaccact 60
 gccacaaggc tccctaattg tggctctgct tccactcccc ggcttcccggt gaggcaggag 120
 gcagagccac agccaaggcc ctgaccactt ctgtgccagt tgtctaagca gagegcctca 180
 gggacgctgg aaatgcctta aggatagagg ctgggcatca catcaaatgg gactgtgggtg 240
 tttggtgaaa accttctctga ggtctggat tcaggaccct ccatgactgg cctattttact 300

<210> 513
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 513
 cgaataaagc agaaaaggag agatcgctga aggaaaagtc tccgaaagaa gaaaaactga 60
 gactgtacaa agaggagaga aagaagaaat caaaagaccg gccctcaaaa ttagagaaga 120
 agaatgattt aaaagaggac aaaatttcaa aagagaaggg agaagatttt taaagaagat 180
 aaagaaaaac tcaaaaaaga aaagggttat aggggaagatt ctgcttttga cgaatattgt 240
 aacaaaaatc agtttctgga gaatgaagac accaaattta gcctttctga cgatcagcga 300

<210> 514
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (290)

<223> n = A,T,C or G

<400> 514

agtatgagaa	gggaggatgg	gggagaatct	gattaaaaaa	aatgattcat	tccttcacag	60
acactaacia	acatggctaa	aaagcacatg	tcagaacaca	gaagcctagg	tagatggttg	120
acatttttat	aacttcctta	agtgagtagt	taaaccagca	gtcttaattc	tggtgggtctt	180
ccaagagtgt	ttaattacat	aagtattacc	tgtattcatt	tcccacaact	ggtgggtttt	240
tctttctttt	tttttttttt	nnnnnnnnnc	tccnaaaaaa	ancncccggt		290

<210> 515

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 515

anaaggcgca	ngaagcagaa	gcgagagcgc	aggacgacga	cgaggatata	gaagaggaac	60
agggggaaga	aaaggaaaaag	ggagcgaggg	agaaaaggag	ggggaagaga	gtccgttttg	120
cataagatga	agaatagagt	gaaaattcct	cggaggacgg	tgacataacg	gataagagtc	180
tttggtggaag	tggtgaaaaag	tacatcccac	ctcatgtgag	gcaagctgag	gagacagtgg	240
acttcaagaa	aaaggaagaa	ctagaaaggc	tgaagaaaca	tgtaaaaggt	ctacttaaca	300

<210> 516

<211> 300

<212> DNA

<213> Homo sapiens

<400> 516

gctatctgaa	cacagtggaa	agatgggacc	ctcaggctcg	ccagtggaaat	tttggttgcca	60
ctatgtctac	ccctaggagt	acagttagtg	tggcagtact	aagtggaaaa	ctttatgcag	120
ttgggtggcg	tgatggaaag	tcttgtctca	aatcagtaga	atgttttgat	cctcatacta	180
ataagtggac	actgtgtgca	cagatgtcaa	aaaggagagg	tggcgtagga	gtgacgacct	240
ggaatggact	gctgtatgct	ataggggggc	acgatgctcc	cgcacccaac	ttgacttcca	300

<210> 517

<211> 300

<212> DNA

<213> Homo sapiens

<400> 517

ggaaccatga	gaaccgaagc	tagaattgct	attgaattac	tttattttct	cttcccttat	60
tggttagaga	tacatcatta	ctggcctcag	gggtttaccc	aaagaaaggg	tatttttgag	120
caaataatgt	gatttcctgg	ctattttggt	gggggcttaa	gatttttttt	tttcaaagtc	180
attttttagtc	actaaaaatt	aactgtcgta	ccatctagaa	ctatactgtc	cagtaccata	240
gcctctagcc	gtatgtagct	atttgtatta	agattaattg	aaatttttaa	tccagttcct	300

<210> 518

<211> 214

<212> DNA

<213> Homo sapiens

<400> 518

ctcagacaaa gaaaccattg aaattataga cctagcaaaa agagatttag agaagttgaa	60
aagaaaagaa aagaggaaga aaaaaagtg ggctggtaaa gaggataata cagacactga	120
ccaagagaag aaagaagaaa aggggtgttc ggaaagagaa aacaatgaat tagaagtgga	180
agaaagtcaa gaagtgagt atcatgagga tgaa	214

<210> 519

<211> 300

<212> DNA

<213> Homo sapiens

<400> 519

agcaattcca ctctagctc caccacagg aattgaaagc aaagacgcaa acagatgcct	60
gtgcacaaa gttcacggca gcatccttcg ccatagtggc agcatccgtc gtcacagcgg	120
catcatcctt catcatagcg gcagcatccg tcgtcacagc ggcagcatcc ttccgccacag	180
cggcagcatc tgtcgtcaca gcggcagcat ccttcgccaa agcggcagca tccttcgtca	240
tagcggcagc atcctttgcc atagcggcaa ggtggaaacc ctgtccatcc actgaggcgt	300

<210> 520

<211> 300

<212> DNA

<213> Homo sapiens

<400> 520

caccgccagg ccagctgtca ggaaacaggg gctctaggcc cagcttcacc acttaggagc	60
tatggttttg ttcagaaaca ttgtgactct cttaccacac cattcctctg ctggaagggg	120
agattgacaa accagcatca tctctaattt actacaaaag ccctcactgg aaattattct	180
taacttagca gctggttaga tccattaaaa aaaaaagtaa gttagactgt gttactctgc	240
tgctcaaagc cctgcagtgc ctctcattt tacctagcgt aaaacctaaa gtcctttcca	300

<210> 521

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (270)

<223> n = A,T,C or G

<400> 521

cacagttctg catggctggg gaggcctcac aatcatggtg gaaggcaagg aggtgcaaaa	60
gcatgtctca catagtggca aggcaggaga gagcatgtgc aggggagctc ccatttataa	120
aaccatcaga tctcatgaga cttagtact accacgagaa cagtatgggg ggaaccatcc	180
ccatgattca gttatctgca cctggcccca cccttgacac ntgggaatta ttccaatgcn	240
nggtganatt tgnntngnna nntttncnna	270

<210> 522

<211> 300

<212> DNA

<213> Homo sapiens

<400> 522

attgaaggca gagaaggaag ggaggaggga atgattcaag gccaaaatgg ccacatttag	60
aagatacctc agatgataac cattgttatg tgtgtgcaat tttatttaac agtgctgtgt	120
atgtggtgga caagttatat gaaatatcta gtctttctag atatttgga gtgcttgatg	180
tatttaaaag tggtagtaga ataacacttt gtaaatagct tttaaaaact gatgggaaat	240

gctgtttgga agtgggaattg ttgaaccacc tgggaggtgg gaggggaagaa attgcaaattg 300

<210> 523

<211> 300

<212> DNA

<213> Homo sapiens

<400> 523

tgaagaatgg	cgtaggttgg	ttcctttcaa	atgcacttga	gcagcgggtct	ccaaccacag	60
ggccacagag	ctggaggtga	gcagcaggcg	agtgaaggga	aacttcatct	gtatttctag	120
cccctcccat	cgcttgcag	accacctgag	ctccatgtcc	tgtagatca	gcagcagcat	180
tagattctca	caggagcaca	aactctgttg	tgaagtgtgc	atgcgaggga	tctaggttgt	240
gtactcctta	tgagaatcta	atgcctgata	ttctgttact	gtctcccatc	acccagatg	300

<210> 524

<211> 300

<212> DNA

<213> Homo sapiens

<400> 524

caagaagagt	tttctgttca	gtttggaaca	agattttgag	aagacattta	ggatgtacta	60
gtttgagttt	ttaaattgat	atttgagata	ttttctcaac	tttctctttg	ggctctgtagc	120
taaaatatgc	agtataatgt	tatatattt	tattttttta	gagatggggg	ctagctattt	180
tgcccaggca	gactcaaatt	cctgggctca	agtgatcctc	tgcttggcc	tcctgagtag	240
ctgggactta	cagacatgtg	ccaccaaacc	tagtggctat	ataattttta	aaaatattct	300

<210> 525

<211> 300

<212> DNA

<213> Homo sapiens

<400> 525

gccacacggg	cccgcacat	ccttgcacat	tggttccgct	acgacctcag	ccccatcacg	60
gtcaagtaca	cagagagacg	gcagccgctg	tacagattca	tcaccacgat	ctgtgccatc	120
attggcggga	ccttcaccgt	cgccggcatc	ctggactcat	gcattctcac	agcctctgag	180
gcctggaaga	agatccagct	gggcaagatg	cattgacgcc	acaccagcc	taatggccga	240
ggaccctggg	catcgccagc	cttgccctca	gtgccctgtc	tcctttggcc	ctcaatctgg	300

<210> 526

<211> 300

<212> DNA

<213> Homo sapiens

<400> 526

ttccctccct	cctccttca	ttctccttct	ctccttctcc	cttccttttc	tcctacctcc	60
tttgactaag	cctccctccc	ctactccctc	cttcccttcc	ttccttccct	cttctctatc	120
aatataatca	ctttgtttct	ttcagtgag	atcgactgg	aactgttcgg	ctgcgaccag	180
aaatttat	tcctgagtaa	attgccgaga	attaagaatg	aagagggcca	tttgcattctc	240
cttaatttat	tcagttacct	gctttattgc	tccatgtgga	aaacttaaaa	ttgttaagtt	300

<210> 527

<211> 300

<212> DNA

<213> Homo sapiens

<400> 527

atccagagaa atgatgtgcc ttgtgtaaag ttgtggttag gaagggacag agccaggact	60
ctaaaattctg tcttcggcc ataattccaa aactttctcc aatgttaggt atgtaggcta	120
aaatgtgcta acagcacttg tgtttttggt tctttttggt ttacttttta ttatggcaaa	180
tttcaaacat atacagatac agaatagttt aatgaactcc catgttctca tcatgccagt	240
tcaaacatga atacatggtc aaccttgat cacttaaact cttgcacaca agccctgccc	300

<210> 528

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 528

gtaagttatt tgtaaagta gaaccctcag tgcattggtct agggatctct ggaggteccc	60
aggacccttt cagagaagcc atgagggtcaa aactgttttc ataagcagaa ccaaaacatt	120
atttgacttt ttcaatgcat tggcatttgc attgatggta caaaagcaag gatgagtaaa	180
atggnnnnnt ncttagcgng atcaagatgg naanaantgc acnaganaac nntgtntnct	240
tnnctgcann gngcntttta agactnccna ttcnaantaa ganancannn acggcc	296

<210> 529

<211> 300

<212> DNA

<213> Homo sapiens

<400> 529

aaaacactat ttacctat tccaaggaag gaagtattga gattgacatt ccagtcacca	60
aatacttate ttctgtgagc tcacaagaaa ctcagggcgg ccccttagct cctatgactg	120
gaaccattga aaaggtgttt gtcaaagctg gagacaaagt gaaagcggga gattccctca	180
tggttatgat cgccatgaag atggagcata ccataaagtc tccaaaggat ggcacagtaa	240
agaaagtgtt ctacagagaa ggtgctcagg ccaacagaca cactccttta gtcgagtttg	300

<210> 530

<211> 300

<212> DNA

<213> Homo sapiens

<400> 530

aacaggaata tggaaagaaa ctcagagccg agttagtggg aaagtggaaa gcagagagag	60
aggctcggct ggcaagagga gaaaaggaag aggaggagga agaggaggaa gagatcaaca	120
tctatgcagt caccgaggag gagtcggacg aggaaggcag ccaggagaaa ggaggggacg	180
acagccagca gaagttcatt gctcacgtcc ctgttccctc gcagcaagag attgaggagg	240
cactggtgcy aaggaagaaa atggaactcc tccagaagta tgcaagcgag accctgcagg	300

<210> 531

<211> 300

<212> DNA

<213> Homo sapiens

<400> 531

cttagattct acctgtaaca ttttataaaa cttgctttat aacacagata tctatcaatc	60
tcatctttaa atttaatttt ttttttgcag cagagcaaaa cccagtctcc aaaaaaaga	120
aaaaggaaaa agaaatgtat ttaaattatc catgctttta gctatttact tatgagcctt	180

tataacagat tcttcatagt ctgccttcta tactcccagg gtgatggtct ggggaagggg 240
gagctaggac ctgtctttcc tttggtctta tcaccacctc ttccaggggc tgctccttcc 300

<210> 532
<211> 300
<212> DNA
<213> Homo sapiens

<400> 532
aatagtagaa aggggtcccca ttctgtctca gcaccgcacc tctctacccc cccacagaca 60
cacatgcaga cacacacatg cagacaacac gcagacacac acatgcaggc actcacatgc 120
aggcccatgc acacacacgt gcacacacat gcagagacat gcagacacgc aggcacacat 180
gcacacatgc aaagacacgc atgcaggcac acgcagacgc acacagagac acacatgcag 240
atacacatgc acacacacat acacacactg gccctgttt ttctgtggtg tctactgggtg 300

<210> 533
<211> 300
<212> DNA
<213> Homo sapiens

<400> 533
gattttacgg tttttgatgg gattattcaa gtgtcagaat taactgttca aaatgttctg 60
aatcatgtag atacatggca ggtaactgtt tatgggagaa aagtacagt ctgttacgtg 120
gcactgtaca gtcattgtgcc acgtaacagc gtctgggtca gtgacggaca cttacctgac 180
agcggatcca caatattctc gtgcagtgtg tttggaatcc tggctctgggc tctcgtcgtt 240
ggcctttag atcaagtagg ggaagtgagt gatgttcagt catgctgctg ggacacttgg 300

<210> 534
<211> 300
<212> DNA
<213> Homo sapiens

<400> 534
gcctggccta aatgaagtac cacatgaccg accgaccgac ctggggaaca tagcaagacc 60
ccatctctac aaaaatgtaa aaaataaaaa ttagccgggt gtagtggtac atgcctgtaa 120
tcctagatac tcgggaggct aaggcagaag gatcacttga gccaggagt tcgaggctac 180
agtgaagctg gatcgtgcca ctgcactcca tcctgggtgg cagagtgagg ccctgtctca 240
aaataaataa tccagtcccc cccaagaaag gaatgaagtg ctataatgag aaaaatccta 300

<210> 535
<211> 300
<212> DNA
<213> Homo sapiens

<400> 535
tggacggcag agcccaagtt tcaagctttc cctgtccagt ggaacgaaga ctaacctcac 60
cagccagtca tctacaacaa atctgcctgg ttctccggga tcacctggat cccaggatc 120
tccaggctct cctggatccg tacctaaaaa tacatctcag acggcagcta ttactacaaa 180
gggaggcctc gtgggtctgg tagattatcc tgatgatgat gaagatgatg atgaggatga 240
agataaggaa gatacggtac cattgtcaaa gaaagcaaaa tttgattcat aataatggca 300

<210> 536
<211> 300
<212> DNA
<213> Homo sapiens

<400> 536

agtgcacgca	gcccgaagccc	acgggcgact	gacagctctg	caggagagat	ttcaacacca	60
tcccacactg	tccaggcctt	aactgagagg	gacagaagac	gctggaagga	gagaaggaag	120
cgggaagtgt	gcttctcagg	gaggaaaccg	gcttgccagc	aagtagattc	ttacgaactc	180
caacttgcaa	ttcagggggc	atgtcccagt	gttttttttg	ttgttttttag	atactaaatc	240
gtccccttctc	cagtccctgat	tactgtacac	agtagcttta	gatggcgtgg	acgtgaataa	300

<210> 537

<211> 267

<212> DNA

<213> Homo sapiens

<400> 537

tttacatttt	gtttgaatca	ggatccaaat	aaggtttaaa	tattgcaatt	tgattaatac	60
attaagattc	ttttaatcta	taagttcctg	ctccatctgt	cattttattt	ttatcccttg	120
aaatttattt	attgaagaaa	ctatatcctt	tgctttgtaa	aattttccac	agtgtggctg	180
gctttggctg	attgctagcg	tcatttgcta	tttatttttg	tcctgtatct	tggatctggc	240
gccttgatca	gatttaagtt	gatttttt				267

<210> 538

<211> 300

<212> DNA

<213> Homo sapiens

<400> 538

ggtttttgat	gggattattc	aagtgtcaga	attaactgtt	caaaatgttc	tgaatcatgt	60
agatacatgg	caggtaactg	tttatgggag	aaaagtacag	tgctgttacg	tggcactgta	120
cagtcatgtg	ccacgtaaca	gcgtctgggt	cagtgcagga	cacttacctg	acagcggatc	180
cacaatatcc	togtgcagtg	tgtttggaat	cctgggtggg	gctctcgctg	ttggccttgt	240
agatcaagta	ggggaagtga	gtgatgttca	gtcacgctgc	tgggacactt	ggatttccag	300

<210> 539

<211> 300

<212> DNA

<213> Homo sapiens

<400> 539

accagaagga	agaaggatta	ctaaattaga	tcagattttg	ctaaatggaa	ataatataac	60
aatgctgggt	cctggaggag	aaggacctga	agtgtgaatg	agtttccttg	acttacacta	120
gattttggtt	tggcttataa	tgacaagaaa	atggaatttt	ttttccctct	ttctaattgt	180
taaatcccat	aaagctaagt	ttcccgtaa	aggggaagtgc	tttgaagatg	tgtaccatt	240
tttgtaagtt	aatcatgatt	atcctggaaa	aagaagaaaa	gagcttcttc	tttgcagaga	300

<210> 540

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (297)

<223> n = A,T,C or G

<400> 540

gnnctataga	atacaagcta	cttgttcttt	ttgcngganc	ccatcgantc	ggaattatag	60
tattgacgtg	aatcccactg	tggtatagat	tccataatat	gcttgaatat	natgatatgg	120

ccattttaata	acattgattt	cattctgttt	aatgaatttg	gaaatatgca	ctgaaagaaa	180
tgtaaaacat	ttagaatagc	tcgtgttatg	gaaaaaagt	cactgaattt	attagacaaa	240
cttacgaatg	cttaacttct	ttacacagca	taggtgaaaa	tcatatttgg	gctatttg	297

<210> 541

<211> 300

<212> DNA

<213> Homo sapiens

<400> 541

aatggcctgc	ctcacacgtc	agccagaacc	cagctgcccc	agtcaatgaa	gattatgcat	60
gagatcatgt	acaaactgga	agtgtctctat	gtcctctgcg	tgctgctgat	ggggcgctcag	120
cgaaaccagg	ttcacagaat	gattgcagag	ttcaagctga	tccctggact	taataatttg	180
tttgacaaaac	tgatttggag	gaagcattca	gcattctgcc	ttgtcctcca	tggtcacaac	240
cagaactgtg	actgtagccc	ggacatccct	tgaagataca	gtttttgagg	cttcttcaga	300

<210> 542

<211> 300

<212> DNA

<213> Homo sapiens

<400> 542

gactgtgtgt	gctgggtgtg	gtgtgagttc	tacgttttcta	ccatatgtga	tcagtttaat	60
agtaacttta	tttatttaaa	aaaaagaaac	acaattagtt	actgttaaac	tgataaaggg	120
tgtttatttt	taccttttag	aattggctct	atgaagaagt	agaaagtgag	tcatgcacta	180
gacagtgggc	ctagctcatc	agtggctaaa	gttgaaaagg	ggttggtttc	ctgtatatat	240
atgtatgtat	atacacacgt	acatacatte	atatatatac	atatatacat	aatgtgctta	300

<210> 543

<211> 300

<212> DNA

<213> Homo sapiens

<400> 543

ccagagctgg	cagaagaaaa	cagtaaagct	tagagtagaa	ataaatgaaa	taaagaacag	60
agaaatatag	aaaatcaaaa	ataccaaaag	ttggctcttt	gaaaagatca	acaaaattgc	120
caaccctttt	aagtagacaa	gaaagaatga	attgttggtg	gtgcagtggt	gagcatagct	180
gctttttcaag	aacaaaaaag	actcaaatga	ctaaaatcaa	gaatgatcaa	gaatgagaga	240
gtagacatta	ctacagatct	tacagaaatg	aaaggattat	taatgagtac	tgtgaacagt	300

<210> 544

<211> 300

<212> DNA

<213> Homo sapiens

<400> 544

gtctctgcaa	aagacccttc	cgacccgagt	gttcgtggaa	ctgggtccct	gggctgaccg	60
gagccgggag	aacaacctgg	cctcagggag	agagacgcta	ccgggcttac	gccacccctt	120
ctcctcaaca	caagcccaaa	ctgctaccgg	cgaggtgcaa	gtaagcggca	cctcagaagt	180
gtctgcgggc	cctgaccggg	cgcaggtggg	ggtgcgagtg	agcagcacca	aggaggcggc	240
agccgaggcc	aaaaagagcg	tttgtcgccg	tctagattac	atcacgcaga	gcctccagca	300

<210> 545

<211> 300

<212> DNA

<213> Homo sapiens

<400> 545
 taagaatcca ccaccaccca tcaattttca ggaatgggat ggtctagtaa ggataacctt 60
 tgttaggaaa aacaagacac tctctgctgc atttaaataca agtgcagtgc aacaactctt 120
 ggaaaaaaac tacagaattc actgttcagt ccataatatt ataataccag aagatttcag 180
 catagcagat aaaatacagc aaatcctaac cagcacaggt tttagtgcaca aacggggccc 240
 ttccatggac atagatgact tcatcagatt gctacatgga ttcaacgcag aaggtattca 300

<210> 546
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 546
 gaaaggacag tgctacttgt atatgaaggt tatagaacga ggggcttttc ctgggcgtct 60
 ctgggaacgg gtccggctta gtaaaaacta tgagaaagca ctggagcaaa tagatgaaaa 120
 tctgatttac tggccccgtt tcattcgaca caaatgtaag cagagattca ccaagatcac 180
 ccaataccta attcgaatta caaaacttac actaaagcga cagaggaaac ttgttccttt 240
 gagtaacgaa ggtggagcgt agannnnnnn nganganang aaaaggcctt nttagctg 298

<210> 547
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 547
 agtaaattgat aattgtgcc ctgcattctc acctgggtgg gtgacaaaagc aagaccctgt 60
 ctccaaatat atgtatgtat gtgtatatat atatatgcac acacacacac atatacacac 120
 atatatatat tctgaatata tatattcgtg actccccgaa ataaattcag tttatatata 180
 tgtaaataaa ttctgaagac tctacatgtg tgtgtatata tacacatata tttttgtatt 240
 aacgttaata gtaatatata catgagttca gggatttagc cagttctgtc tttcgggatg 300

<210> 548
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 548
 atcagtatga actcttaaaa catgcagaag caactctagg aagtgggaat ctgagacaag 60
 ctgttatgtt gctgagggga gaggatctca atgaatggat tgctgtgaac actgtggatt 120
 tctttaacca gatcaacatg ttatatggaa ctattacaga attctgcact gaagcaagct 180
 gtccagtcac gtctgcaggt ccgagatatg aatatcactg ggcagatggg actaatatta 240
 aaaagccaat caaatgttct gcaccaaatt acattgacta tttgatgact tgggttcaag 300

<210> 549
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 549
 tctccttgcc tttctcctga aaggtatgag actacttgcc ttactgtcat attattgagg 60
 gaatcagcgc aaagcctgag gaaatgaaca gtagctgtgg gtcaaagcca tgtctccagg 120

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ttcacggctc actccccag gacaagccta gttaggtagt ggctgcatct ggtatccctg      180
ggacagaaat gcaggtgaga gggggatatca agaatgcctc gagcctctag aactatagtg      240
agtcgtatta cgtagatcca gacatgataa gatacattga tgagtttga caaaccacaa      300

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<210> 550

<211> 300

<212> DNA

<213> Homo sapiens

<400> 550

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gaaccaagaa aatattttaa aatctaagca gtcctttgct cattaaagga taaatcagta      60
gttaacactt tttctacaaa gaaatgggtg gcctggatgg tcgtgtaggt gagttttacc      120
aaggattatg gtaacaaatg agtgagacct ctatggagaa aatattgaag gacattaaag      180
aagacctcat aaatggagag agatatatca ttaatggata ggaagcctca atggcataag      240
tatgtcagtt tctttcaaaa ctcacctatg gattcaatgt gattccaaac caaatcccaa      300

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<210> 551

<211> 300

<212> DNA

<213> Homo sapiens

<400> 551

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gctacttggt ctttttgcag gatcccatcg attcgaattc ggcacgaggt caagcctgta      60
atcccaacac tttgggagac cgaggtgggg gtatcgattg agcctcggag gtcgagatca      120
gcctgggaaa cacaggagag ccccatcgc taaaaaatat ttaaaaatt agccaggtgt      180
ggtggttgt gctgttgc cggctactt gggaggctga agtgggaggg tggcttgagt      240
ccaggagttc actgcactga gctgtgatca caccactgca ctccagcctg gacgacagag      300

```

<210> 552

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 552

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cgcaaaactgg ctaatctctg ntananaact atgatntncc ccatnatggt gatannaggg      60
nccttagggg gnanatngna aaaaacctnt gaccnangcn cnatgantic aangnttgn      120
tactccacgt gtaatgcntc ncaaacnttg ncntatngct ctgaanacnc tncgcgacca      180
ngaanaatan anaagannct gnanannatg ctanantttt ggccnanana atgaacgagg      240
ctaaagagat tcncctggan cnaannnttg aatagantca tactttcctn tctgctagct      300

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<210> 553

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (297)

<223> n = A,T,C or G

<400> 553

aggaagttga	agctgcaatg	ggctatgac	gtgccactgc	accccagctt	gggccacaga	60
gcaagagcct	gtctcaggaa	aannnnnnnn	naaaantcca	aaantanttn	gnangttcca	120
aattgcnngc	cnttctgana	aangnaatac	gancnaatct	tccacntcn	tactcctcc	180
cacctaana	gngaaccctn	tttgncann	ggntccaaac	ngnatnngct	acttgngngt	240
tagnaatcaa	ccannngatan	cagggnanct	tttaacgnag	gagtgccttn	ntgggta	297

<210> 554

<211> 300

<212> DNA

<213> Homo sapiens

<400> 554

ttattcaagt	gtcagaatta	actgttcaaa	atgttctgaa	tcatgtagat	acatggcagg	60
taactgttta	tgggagaaaa	gtacagtgtc	gttacgtggc	actgtacagt	catgtgccac	120
gtaacagcgt	ctgggtcagt	gacggacact	tacctgacag	cggatccaca	atattctcgt	180
gcagtgtgtt	tggaaatcctg	gtctgggctc	tcgtcgttgg	cctttagat	caagtagggg	240
aagtgtgtga	tgttcagtca	tgctgctggg	acacttggtt	atccagatga	aaacacataa	300

<210> 555

<211> 273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(273)

<223> n = A,T,C or G

<400> 555

ctctatcttg	tttattgttg	atgccatctt	agaggaaaaa	atgtaaaggt	aagtaattaa	60
gcatatgaca	gcaacaaata	agatacttat	aacctaatgg	gactttattt	tgtagtttta	120
tgtattacaa	aaaatccacc	tttctctaag	ggaagtttgt	acccattga	ttcttggtgc	180
ctttgggac	gactgggttt	taatggccta	gttatattgag	gattttgctg	ngntgtnnnc	240
atggnctntn	ngatnnccct	nganganann	nnc			273

<210> 556

<211> 300

<212> DNA

<213> Homo sapiens

<400> 556

gtgccatctt	gctatgtttc	ccaggctggt	tttgaactcc	cagcctcaag	caatcctccc	60
tttccgcctc	agcctcccaa	gtggctgggg	ttatgggcct	gagccactac	acagctaaga	120
gtgtcttgta	tgtgctaata	agatggctgg	tgtctgagag	ccctagaga	gcttcaagat	180
gggggctagt	cttttagaaag	tccaagcaat	ggctaggtat	ggtggccact	gcctgtaatc	240
ccaggagttt	gggaggccaa	ggtggacaga	tcacctagga	gtttgagacc	agcctggcca	300

<210> 557

<211> 300

<212> DNA

<213> Homo sapiens

<400> 557

ttctcagata	cctgatggat	ccagacacat	tcactttcaa	ctttaataat	gacccttttg	60
tccttcgacg	gcgccagacc	tacttgtgct	atgaggtgga	gcgcctggac	aatggcacct	120
gggtcctgat	ggaccagcac	atgggctttc	tatgcaacga	ggctaagaat	cttctctgtg	180

gctttttacgg cgcgcatgcy gagctgcgct tcttgacct ggttccttct ttgcagttgg 240
 acccgggcca gatctacagg gtcacttggt tcctctctg gagccctgc ttctcctggg 300

<210> 558

<211> 300

<212> DNA

<213> Homo sapiens

<400> 558

gtactccagg ttgtgtttgt gaatcaagat gaacagcccg ttcaaggcca agaggctgag 60
 ggcccccccg aggtcgcagg cgcgggtgag gaagtcgac atgagcgtgg gctgcgccag 120
 ctgcggcagg atggcgatc gcacaatcag cagcaccttc ttgtagaggc tgaggggcag 180
 cttgtgcttg aggaagctga gccacatggc ctggaaaacc ctctgtgtct ccttcagggtg 240
 agcaacctct cgtgccgaat tcgaatcgat gggatcctgc aaaaagaaca agtagcttgt 300

<210> 559

<211> 300

<212> DNA

<213> Homo sapiens

<400> 559

gaaaacatct aactaagatg gtttcaactgg tgaattcaat caaatattta aggaacacat 60
 aataccaaaa ccataacaca tacaatatata tggcccttca gattttgtac ttctttttgt 120
 gtcagtgtta ataatacgtg tctttcaaag aatatcccc tttttttttg gtagagatag 180
 ggttttgcca tgttggttgt agcaagccct aaccctgtca taaacaggcc ttaaataaac 240
 tggccataaa caggatttct gcagcaatgg gacatgtca tgatggctgt catgcacact 300

<210> 560

<211> 300

<212> DNA

<213> Homo sapiens

<400> 560

acactgtccc actccatcac ccaggctgga gtccagtggg gtgatcatag ctgcgtgcat 60
 cctccagttc ctgggttcaa gccatccctc ctgcctcagc ctccccagta gctggaacta 120
 cagggtgtgt ccatcacacc tggctttaca tttttctgtg gggcttact atgttgccca 180
 ggccggtctc aaactcctga gctcaagtga tcctctgcct cagcctccag agtatctggg 240
 attacatatg tcggctaccg tgtctggccg ttcacatctt tggccactat ttgcttgtag 300

<210> 561

<211> 300

<212> DNA

<213> Homo sapiens

<400> 561

aatgagaaaag aaggaggaat ctgaagcctt gggttaaggat ttggggcaca gtaccaggag 60
 gggggcttgg tgccagacct catgaggaag aaggattttc ctatgtacag agaaggggac 120
 cctgtcctgt tgggaggtgc tgtgcaaacc taaccaagtt actaaccctc ctgttttatg 180
 tgctacacaa aggggataaa tacaagcttc cctctctagc caattctatt tggttcctga 240
 gtttggaataa gtgatagata ctgattttct atgattttat gaggacttaa ataagctcct 300

<210> 562

<211> 300

<212> DNA

<213> Homo sapiens

<400> 562

ggaggacgag	gaggaggacg	acgaagagga	ggaggaggaa	aaggaggtgg	aggagcagca	60
gcagcagctg	cagcagctaa	tatgttgtag	ttattctgtg	ctgggcaaaa	ttctggatat	120
ttttcatgta	ctatttaagc	ctcacaaaaa	tcttatgata	taggaaatgc	ttgtttccat	180
ttggcacatg	aagaaactga	agaacagaga	aatgatgaaa	cttgcgagg	gtagtctgtc	240
cagagtctgt	attttaacta	ctgctgtgtt	gcctccatt	gcatagtgac	ttcacgtgta	300

<210> 563

<211> 300

<212> DNA

<213> Homo sapiens

<400> 563

gcctattcag	ttcctggtaa	gggctgtctt	cctggcttgc	agttgaacta	cttcttgctg	60
tgtcttcaca	agcatgcccc	catcctgtgc	cgataagaac	tccagacccc	aaactcagct	120
catacacaca	cggagagag	aagcatctga	acatcaagaa	gagaagaagc	tgctggacat	180
cagaaactgt	gaaaggagag	gagtttggtt	gagctccagg	ggaagactgc	ctgcacattc	240
tatccccctt	tcagttcccc	atcctgtgtg	cagccacatt	taccactcaa	taaaatcttc	300

<210> 564

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 564

gagaagccaa	gggagaggag	gaggaggaaa	ctaacgattc	cctgcccacc	cccacaccca	60
gcaccaccaa	caggtgggca	agcttgccga	gaaaacgcag	agggcatcct	gtgagcagca	120
aacactctga	gnnnnnnnaa	gacgcagaga	agtaaagatc	aaagcgctac	tncangatcc	180
cgtaccagac	tcaagccatg	gctggtcctt	tctccgtctg	ctgtccgccc	gcccggactc	240
agcttctggt	tttgcccgag	cgggtcttac	ccgtgggttt	ctgctccgac	ggaacctgt	299

<210> 565

<211> 300

<212> DNA

<213> Homo sapiens

<400> 565

cttgagccca	ggagttcaag	tccaacttgg	gcaacatgac	aagacccttg	tctctttaa	60
aaagcaatc	aaaccatgtc	ttgaaaagct	atttaatggt	cagacacgat	ggctcacgcc	120
tgtaatccca	gcactttggg	aggccgaggc	aggcggatca	cttgaggtca	ggagttcaag	180
accagcctgg	ccaacatggc	aaaaccagt	ctctactgaa	tgaaaataca	aaaattagct	240
ggcctagcag	ttggtggtgg	caggtgcctg	tagtcccagc	tacttgggag	gctgaggcag	300

<210> 566

<211> 300

<212> DNA

<213> Homo sapiens

<400> 566

atthttgcttc	ccttgctcta	gagagagtat	caaggccag	ggggccaccg	gagaggtgta	60
ttgccccagc	ggagagaaat	gccccctagt	cgggtcgaa	gtacctggg	ccttcagca	120

```

gggcgaaatc gcgactatct tagctgggga tggttaaagtg aaaaaggaga gagacccttg 180
aaccactggg cagccacctc ctttgcccta gaccagctcc tctccaatcc tgagggcccc 240
tcccccaacc caactcgacc ctccctcccc tcaccccaaa ggtgtagaat tgtgaatata 300

```

```

<210> 567
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 567
tcaagtgtca gaattaactg ttcaaaatgt tctgaatcat gtagatacat ggcaggtaac 60
tgtttatggg agaaaagtac agtgctgtta cgtggcactg tacagtcattg tgccacgtaa 120
cagcgtctgg gtcagtgcg gacacttacc tgacagcgga tccacaatat tctcgtgcag 180
tgtgtttgga atcctgggtc gggctctcgt cgttggcctt gtagatcaag taggggaagt 240
gagtgatgtt cagtcattgt gctgggacac ttggttttcc agatgaaaac acataaataa 300

```

```

<210> 568
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

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```

<400> 568
gctcttgttc tttntgcagg atcentogat tcgtttaagg aaaaccagca aataacaaga 60
aaaccattta atgtaaagat ttgtaaataa tcacttcaaa agaagtgcct tgttgctgtc 120
acatttagtc catcttcata taattcttat ctggggccagt ttcttgggca tgggacatgt 180
gcagttacac aagcctgtgc tcttaagagg gtcttaccba tagtttaatg ttctgctgtt 240
gtagtcttga aattcttaat gatttaacaa ggggtcctcc attttcattt tgcactgggc 300

```

```

<210> 569
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 569
aagcagcttg gggctcactc cccctccacc ttgctgacca ccctcatgtt ctttaatacc 60
aagtacttcc tattgaagac agtggaccag cacatgaagc tggccttctc caaggtcttg 120
cgacagacaa agaagaacct ctctaattcc aaggataaaa gcacgagtat ccggtacttg 180
aaggcccttg gaatacacca gactggccag aaagttacag atgacatgta tgcagaacag 240
acggaaaatc cagagaatcc attgagatgt cccatcaagc tctatgattt ctacctcttc 300

```

```

<210> 570
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 570
cccaggatga actggttgca gtggctgctg ctgctgcggg ggcgctgaga ggacacgagc 60
tctatgcctt tccggctgct catcccctc ggcctcctgt gtgcgctgct gcctcagcac 120
catggtgcgc caggtcccga cggctccgcg ccagatcccg cccactacag ggagcgagtc 180
aaggccatgt tctaccacgc ctacgacagc tacctggaga atgcctttcc cttecatgag 240
ctgcgacctc tcacctgtga cgggcacgac acctggggca gtttttctct gactctaatt 300

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<210> 571
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 571
 gttgctttca aaagacacat atcaccatag tacatgtaat aacacacata ggctcaaagt 60
 aaaggggtgg cgaaagatct gttatgcaga tggaaaaaaa gatcaggggt cactattctt 120
 gtatcagata aaacagactt tttaaataca caacagtaga aaaaggacta gggcattaca 180
 taatgaagaa gggttcaatt caacaagatt tatectatac acaccaaga ttggagcact 240
 cagatttcta aaactattat ttctagacct aggaaaagaa ttaaacggcc acataataat 300

<210> 572
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 572
 gaaagaccga gatagagaga gagacagaga cagagagcga gaccgtgacg gggacagaga 60
 aagagaacgc accagagaga gagagagggg gcgtgatcac agtcctacac caagtgtttt 120
 caacagcgat gaagaacgat acagatacac ggaatatgca gaaagagggt atgagcgtca 180
 cagagcaagt cgagaaaaag aagaacgaca tagagaaaga cgacacaggg agaaagagga 240
 aaccagacat aagtcttctc gaagtaatag tagacgtcgc catgaaagtg aagaaggaga 300

<210> 573
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 573
 ggctgcgagg ttttcggctt tggtcctga tatgcagcga cagaattttc ggcccccaac 60
 tcctccttac cctgggtccg gtggaggagg ttggggtagc ggaagcagct tccggggaac 120
 cccgggaggg ggcggaccac tgccgacctc tnnnnnnnnn nggnacggna ntacnaataa 180
 cncnccaccg tacgcgccct natcnnngnc ntaccgtnc aggtgctnnn naagntncac 240
 caggccctaa ccggggttct ggcngancnc aatggccctg aangacgccg ncnagcaccg 300

<210> 574
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 574
 agattatgag catgtagaag atgaaacttt tcctcctttc ccacctccag cctctccaga 60
 gagacaagat ggtgaaggaa ctgagcctga tgaagagtca ggaaatggag cacctgttcc 120
 tgtacctcca aagagaacag ttaaaagaaa tatacccaag ctggatgctc agagattaat 180
 ttcagagaga ggacttccag ccttaaggca tgtatttgat aaggcaaaat tcaaaggtaa 240
 aggtcatgag gctgaagact tgaagatgct aatcagacac atggagcact gggcacatag 300

<210> 575
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 575

gtccgaagaa aaagactgtg gtggcggaga tgctctctcc aatggcatca agaaacacag	60
aacaagtttg ccttctccta tgttttccag aaatgacttc agtatctgga gcatcctcag	120
aaaatgtatt ggaatggaac tatccaagat cacgatgcca gttatatatta atgagcctct	180
gagcttccta cagegcctaa ctgaatacat ggagcatact tacctcatcc acaaggccag	240
ttcactctct gatcctgtgg aaaggatgca gtgtgtagct gcgtttgctg tatctgctgt	300

<210> 576

<211> 300

<212> DNA

<213> Homo sapiens

<400> 576

aagagaagct gagacttctg cttccacacc ccctgcaagt gctttcttga aggcctgggt	60
gtatcggcca ggagaggaca cggaggagga ggaagatgag gatgtggata gtgaggataa	120
ggaagatgat tcagaagcag ccttgggaga agctgagtc gacccacatc cctcccaccc	180
ggaccagagg gccacttca ggggctgggg atatcgacct ggaaaagaga cagaggaaga	240
ggaagctgct gaggactggg gagaagctga gccctgcccc ttccgagtgg ccatctatgt	300

<210> 577

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 577

actcgagacg ctgaggcagg agaatcgctt gaaccgggga ggcggagggt gtagtgagct	60
gagatcggtg cactgcaccc cagcttgggc aacagagcaa aactctgtct ttaaaaaaaa	120
annnnnnnnn nnnnnaacaa acaancaaaa aaaaccttat atgggctggg ctgggcgtgg	180
ngccttatgc ccacaatccc agcnttttgg nagggcagga tgggaggatn acttganccc	240
anaantttga naccagcctg ggctacanag tanggccccn tntntacaaa aaaaccttaa	300

<210> 578

<211> 300

<212> DNA

<213> Homo sapiens

<400> 578

ggtagactgg ctagggatcc tggaccagg gttccacgta gcaacacctg ctgagttctc	60
tgggttttct tcctgcctca tgtagccag acttgagct gaagaagctg gaaacatgga	120
aacaccaaca gctacagacc aaaaaaagtc ccaacaaagg cctgtcagtc tgccagcctg	180
ttctgtggat ttccaactca agattgcagc atcaactcac acctgaagtt ctggcttccc	240
tacaaacttt gaacttgcca gtccccacaa tggcataagc caattcctta aaatgaatgt	300

<210> 579

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 579
 ggcagaccat ccacatcagt ttcagagaaa aacaataatc ttgtttgtgc cgtgatgaag 60
 aggactgaca gctagcagca gaaacaatag tcacggaggt tgagaacagg ctggttaaca 120
 tggtgaaatg ccatctctat taagaatata aaaattagct aggtatggtc gcagacacct 180
 gtaatcccag ctccctggga ggctgaggtg nnnnnnnnnn ttgaaccnna gagnggnag 240
 ctgctgtnnn cngactcgn natatnactg cacctgggng actgcagtga anctttatct 300

<210> 580
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 580
 atacactgca tttgctgggtg ctgtttttat atagtgaagc aacagctgta cagcaaaata 60
 ataaaatact cacttcttcg ttaaaaaaaa aaaaatttac ttcttacaat tctggaggcc 120
 aggaagacca tgatcaggtg ccagcatctg ggaagggcct tcttgctgtc ctcccatggc 180
 agaagatgga agggcaaggg agagctaaca tgctcccga aacccttttt ataatggcat 240
 caatcaata tgaggccaga gtccttgtag cctaataatc tcccaaaagg ctccgcctcc 300

<210> 581
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(283)
 <223> n = A,T,C or G

<400> 581
 gtcctaaagc cgctgaagca aaaacatga taaaacattc tgctttcttt tcttttacaa 60
 cccacgaac gcaaaaaaaa aaaaaaccaa aaccaaacca aaaaaaaa nnnnnnnnnn 120
 nnnnnnnnt nttngnngna aaaanggggt ttgnncnngg nannaaccan tnnnaantna 180
 aanntnncaa anaggggtna nctttntnnc tnancttttn aaaangttna tnnnaatnnc 240
 cngnnaaanc cancnnggtg tngcctnna aaggtnacct aaa 283

<210> 582
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(283)
 <223> n = A,T,C or G

<400> 582
 cccaacnata gccntttcna nnttaaaagg tttttgnant nctgggccnt ncngacgtna 60
 nncctnancn nttttttaag cnggtttgcc nngggnnncg gtggnnnnn nggggtnttt 120
 ggtnnctggg ggcnanancn acttncctnc cccgggccat ncntnnnnnn nntgttagga 180
 aagttcttca cttttttctc tgagggctgg ggggtggggg agtcagcatg attatatatt 240
 aatgtagaaa atgtgacatc tggatataaa atgaaaataa atg 283

<210> 583
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 583
 gtcgtcttta atttgtctca tcagtgcctc catgtgtttt tgatgccttt gaactgggtat 60
 ttttaaaatt tcaatttcta attgttcatt atagaaacac aattgggttt tatatattgg 120
 cattgtattt tgcaactttc ctaaactcac tagtaattct agtagctttt tttggtagat 180
 tcttaaggat tttctgtgta aatagtcatt tcatttgtga ataaagccat tttttttcc 240
 ttttcaaatt ttgtgccttt tatttcttat tcttaccata tcacattggc aaagacctcc 300

<210> 584
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 584
 aaaatggaga agccaaaatt acagaggcac cagcttctga aaaagaaatt gtggaagtaa 60
 aagaagaaaa tattgaagat gccacagaaa agggaggaga aaagaaagaa gcagtggcag 120
 cagaagtaaa aaatgaagaa gaagatcaga aagaagatga agaagatcaa aacgaagaga 180
 aagggggaagc tggaaaagaa gacaaagatg aaaaagggga agaagatgga aaagaggata 240
 aaaatggaaa tgagaaagga gaagatgcaa aagagaaaga agatgaaaaa aaggtaagac 300

<210> 585
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 585
 gtccagaaat actctgatac tagctatggt cagcaacatt taatgaaaac ctttatgtta 60
 aaaataaacc cctgcctcct ggcttcaagc gattctcctg ctcagcctc ctgagtagct 120
 gggagtatag gcacgtacca ccacaccag ctaatttttt gtattttttac tagagatggg 180
 tttcacagtg ttagccagga tggtttcgat ctctgacct catgatccga ccgcctaggc 240
 ctcccagagt gctgagatta caggcgtgag tcaactgtgcc cggcctcnnn atgttaggaa 300

<210> 586
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 586
 caagggcctc tggatggaat gtgccacaca cagcacaggc atcaccagat gtgacatcta 60
 tagcaccctt ctgggcctgc ccgtgacat ccaggetgcc caggccatga tggtagacatc 120
 cagtgaatc tctcctctgg cctacttctc aagcttccct ccaaagaaac tgattggccc 180
 tggaacctcc atcccactct tggtatgact ccacagtgtc cagactaatt tgtgcatgaa 240
 ctgaaataaa accatcctac ggtatccagg gaacagaaag caggatgcag gatggaggac 300

<210> 587
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 587

ggactaactt	acagaggagc	tgtgtatcct	gaagattcag	cgactggcaa	ggaatttcct	60
tgaggagcaat	gtgtgaggga	ggccatctga	ggagatctgt	ggctttcttt	tgtgtggga	120
atctggctta	tggatgaatc	tacgacacag	gattgtgaaa	ttacagctct	ttgggaacaa	180
aaggaaggca	gtattgcatg	acttagtttc	ccagcttcac	tttcccttg	gcatgggtgag	240
tttgggtct	tgagagtcta	ttttctttca	cacccatcag	cactgttaag	taagcaggaa	300

<210> 588

<211> 300

<212> DNA

<213> Homo sapiens

<400> 588

aaaaacctg	gtatgtatct	agaagtggaa	aaacaaaaaa	aggaaataag	ttatgaaaat	60
aaaaaccatg	tcttgagctg	ggtgcgctgg	tgtgtgccta	tatccctaga	ttctcaagag	120
gttgagacag	gaggatcact	tgagcccagg	agttcaagtc	caacttgggc	aacatgacaa	180
gaccctgtc	tctttaaaaa	agcaactcaa	accatgtctt	gaaaagctat	ttaatggtca	240
gacacgatgg	ctcacgcctg	taatcccagc	actttgggag	gccgaggcag	gcggatcact	300

<210> 589

<211> 300

<212> DNA

<213> Homo sapiens

<400> 589

cctcctactc	ccaaacaaat	ctttggggaa	aaaaaaacta	ccaactgtca	gccatgggcc	60
tgacggcgct	aagctctggg	gctccgtgca	ctgacgtggg	gccagccaca	gggagcgggg	120
gatcaagtag	cggaggccag	gattttggcc	acctcccggg	caagttgcag	ggcagtggcg	180
ccgggagcaa	aagcagcatg	atgcagctca	tgacacctga	gtccttttat	gaaaaaacct	240
cctcctgggc	ttatcaagga	agatgacact	aagccagaag	actgcatacc	agatgtacca	300

<210> 590

<211> 300

<212> DNA

<213> Homo sapiens

<400> 590

ggggcggagg	cgggagaggc	gagctcgca	tgagtggctc	cggcaggctc	ttcgggaagg	60
ggaagaagga	gaaagggcca	acccctgaag	aagcaataca	gaaactgaag	gagacagaga	120
agatactgat	caagaaacag	gaatttttgg	agcagaagat	tcaacaggag	ctacaaacag	180
ccaagaagta	tgggaccaag	aataagagag	ctgccctaca	ggctttgcgg	aggaagaaaa	240
gattcgaaca	gcagctggca	caaactgacg	ggacattatc	caccctggag	tttcagcgtg	300

<210> 591

<211> 300

<212> DNA

<213> Homo sapiens

<400> 591

gagaagctga	cgggcatgtg	gtggaaacag	ctgggtggccg	gcgcagtggc	aggtgccgtg	60
tcacggacag	gcacggcccc	tctggaccgc	ctcaaggtct	tcatgcaggt	ccatgcctca	120
aagaccaacc	ggctgaacat	ccttgggggg	cttcgaagca	tggctcctga	gggaggcatc	180
cgctccctgt	ggcgcgga	tggattaat	gtactcaaga	ttgccccga	gtcagctatc	240
aagttcatgg	cctatgaaca	gatcaagagg	gccatcctgg	ggcagcagga	gacactgcat	300

<210> 592
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (275)
 <223> n = A,T,C or G

<400> 592
 gaaatgtgta ttccagtgc aatttcgtgg tcttttttaga ggnnnnnnnn nnnatatect 60
 tggctttnta ggcnatatgc tcanagtgcg acagcggnac cntgccctca natncttacn 120
 naagctttga ntaggncat nnnnngctac ntccctgaan tccnccnnc cctcactggc 180
 tgccctnaca ngccanctga cgantgncct taaaggcatt aacncgcntc nnttgtggng 240
 tcctcnggct tanggagnna agaggtggct cttga 275

<210> 593
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 593
 tgacattgtc agtgtgaaat ttaacagact ttggtttttag gagttagggt taggttgcag 60
 acctaaagt gcagttgaca tgccttgggt ttataggagg atatacatcc tgaaagtgtt 120
 agggactggc aaagaattta ctgctgagca atttgtgatt gcagtcacct ggagattcat 180
 gaggtttttt gcctttttgt ggggatctgg ttaatgcata atattttgac acaagggtgc 240
 aaggtaacag gtatccattt gggaaaagaa tgacagtttt ggagaacatt agttctgcag 300

<210> 594
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 594
 acctaaagact gctttgaaac ataaagtaat aatnaaanaa atgggctggg tgtgggtggn 60
 tatgcttata atcctagcnc tttgggaggc tgaggcggga ggatcntttg agctcaggag 120
 ttttagaccn gtttgggagg tcccagttat caggaggctg aggtgagagg gattacttgt 180
 gccagggagg tcaaggctgc agtgagctgt gattgtgcca ctgtactcca gccctggcaa 240
 cagagagaga accctgtctc aaaagaaagg gggggggagg aacggaggaa gggaaggagg 300

<210> 595
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 595
 attatggtgg aaggggaagc aaatgcccta cttcacatgg tggcaggaag gagaagaatg 60
 agaaccaaag gagggagaag cccctataaa aaccatcaga tcttgtgaga acttactatc 120
 atgagaatag catgggggaa actgccctgt gattcaatta cttccacta ggtcactccc 180
 accatacatg gagattatag gaactacaat ttaggatgag atttgggtgg gaacacagcc 240

aaaccatatac aagtattaac agcagaatta accaagctga ggaaagactc tcagagctca 300

<210> 596

<211> 300

<212> DNA

<213> Homo sapiens

<400> 596

gcataacgaa cctaaccctc agagggtttac caagattcaa aacacgaagc tgaccatgaa	60
gcgggacggc attgggtcag tgcggtacca ggtcttgag gtgtctcggc aaccactctt	120
caccaatatac acagtggaca ttgggcggcc tccgtcgtgg cccctcggg gctgacacta	180
atggacagag gctctcggtg ccgaagattg cctgccagag gactgaccac agcctggctg	240
gcagctgctc tgtggaggac ctccaggact gagactgggc tctgttttcc aagggtcttc	300

<210> 597

<211> 300

<212> DNA

<213> Homo sapiens

<400> 597

agacaaccca gaaacaaatt catacatcta tgggtgaccac ttttgacaaa ggaatgaaga	60
acatacactg gggaaaaagat aatgtcttta ataatgggtg ctgggaaaac tggatatcca	120
tatgcagaag aatgaaacta gaccccatc tcttagcata tacaaaaatc aaaattaatt	180
aaaaagttaa atctaagacc tcaaaactatg aaacagctaa aagaaaacat cggggaatct	240
ctccaggaca ttggagtggg caaagatttc ttgtgtaata cctgacaaac aggcaaccaa	300

<210> 598

<211> 300

<212> DNA

<213> Homo sapiens

<400> 598

ggtatttggt cttgaaccac acccgttoga tcctagagtt ctcttttctg ctggatcatga	60
tggaacacgtg atagtgtggg atctggcaag aggagtcaaa atacgatctt atttcaatat	120
gattgaaggc caaggacatg gcgcagtatt tgactgcaaa tgctctcctg atggtcagca	180
ttttgcatgc acagactctc atggacatct ttttaatttt ggctttgggt ccagtagcaa	240
atatgacaag atagcagatc agatgttctt tcatagtgat tateggccac ttattcgtga	300

<210> 599

<211> 300

<212> DNA

<213> Homo sapiens

<400> 599

agaaagatca ctgctgttta cagcgccttg tgcagcctta gattttaata ttcttttctc	60
attgttacat ctcatagagt aaagctctta ttaccttgat cctgagtcag aaatcccacc	120
tgaaatcacc ttttttcccc cttgatcaaa catcccatcc ttcagctacc atactgttgc	180
tacagggatt ttgtggactg tggccctgt cccgagggtg gcaccttcag ttcagcacag	240
cctgagcagt gagaaggtct gaaaggagag tatatagtta agatccttga gaaagggctg	300

<210> 600

<211> 300

<212> DNA

<213> Homo sapiens

<400> 600

tttggattga	ttcaggagaa	atttgactg	atggctcaga	aggcttacgt	catggagagt	60
atgacctacc	tcacagcagg	gatgctggac	caacctggct	ttcccgactg	ctccatcgag	120
gcagccatgg	tgaagggtgt	cagctccgag	gccgcctggc	agtgtgtgag	tgaggcgctg	180
cagatcctcg	ggggcttggg	ctacacaagg	gactatccgt	acgagcgcat	actgcgtgac	240
acccgcatcc	tcctcatctt	cgagggaacc	aatgagattc	tccggatgta	catcgccctg	300

<210> 601

<211> 300

<212> DNA

<213> Homo sapiens

<400> 601

ggatattcat	taccctgaga	atgaaatgac	ctgcaattcg	aaaatcagct	gtatcagttg	60
gagtagttac	cataagaacc	tgtagctag	cagtgattat	gaaggcactg	ttattttatg	120
ggatggattc	acaggacaga	ggtcaaagg	ctatcaggag	catgagaaga	ggtgttgagg	180
tgtagacttt	aatttgatgg	atcctaaact	cttggcttca	ggttctgatg	atgcaaaagt	240
gaagctgtgg	tctaccaatc	tagacaactc	agtggcaagc	attgaggcaa	aggctaattg	300

<210> 602

<211> 300

<212> DNA

<213> Homo sapiens

<400> 602

gccttttgtg	gggtctcata	cataactcag	tttccacaaa	gctgtgcccc	agctcagccc	60
tatggataga	agcatgggtc	ggggttcctt	tgctgaccag	ggtgtgtgct	ttgtccaagt	120
tactgacctt	cccaaacctc	atcaatgcac	ataaaaagag	cacttgcaaa	caatgaatct	180
agacatggac	cttcacaaa	aaataactca	aaatggatcc	caggcctaaa	tgaaaaatga	240
aaaactataa	aactcctaga	agataacata	aaagaagatc	tagatgacct	agggtttggc	300

<210> 603

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 603

ttaatatggg	aacnccngtt	tctaactgtc	atcnccccc	ccccaacacc	cccaanncag	60
cagttttntt	caccgctgc	agcgttccg	tnccaaacan	agggccncnc	ananncccn	120
cgntntatat	aaggaggaaa	acgggaaaga	atataaagtt	aaaaaaaaagc	ctccggnttc	180
cnctactgng	tanactcctg	ntttttcaag	cncctgcaga	ttttgatttt	tttgntgntg	240
ttgntntccn	ccnttgctgn	tgntgcaggg	gtactattgt	ttaaaaacag	gaaaaaaaaat	300

<210> 604

<211> 300

<212> DNA

<213> Homo sapiens

<400> 604

cttactttga	tcctcgtgag	gcatacccag	atggaagtag	caaagaaaag	agaagagcag	60
cagttgccca	ggccttagct	ggcgaagtca	gtgtgggtgcc	tccatctcgt	ctcatggcat	120
tgctgggaca	ggcactgaag	tggcagcagc	atcagggatt	gcttcctcct	ggtatgacca	180

tagatttggt tcgaggcaag gcagctgtca aagatgtgga agaagaaaag tttcctacac 240
aactgagcag gcatattaag tttggtcaga aatcacatgt ggagtgtgct cgattttctc 300

<210> 605

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 605

gaacattcgg actcgagata atcgctgcct tggggagtgg gacttgccctg aggctgtgca 60
gctgactggg ggagctaccg aacacgaggg tcccatatgc ccgaagaaa tttctggccc 120
ttgtacata catgacgcca accactgcca gtgccatcag ctctctcttg ttgnnnnnnn 180
ccccggnat gntgacgntg nngannnctt anaccntttt nnnnctnnga aaggaggntt 240
gattgcngnt nccctgagat ntggcttccc aagagcactt attgaccctt cctcaggcct 300

<210> 606

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (298)

<223> n = A,T,C or G

<400> 606

cccccgant aaggntgnnn tatnntncc anaaaaaann gggncnatna tgnntcgng 60
aaggntnngg aacaacaagg actgcntnat tggaagnggn cncaggnttg aanccaaagn 120
taaangagtg aatnaggtgn tnntggggaa tgaccngctc atggagatnt gatttctgag 180
caagtcagac tccttccttt tggcctccaa agccacagat gttgcccggc ccacctgttt 240
aactctgtat ttatttccca ataaagaagg gcttcctaaag gcatgctgga gacttgtg 298

<210> 607

<211> 300

<212> DNA

<213> Homo sapiens

<400> 607

atggtgtttt cacctggaag ctgagaagaa aggggcttta atggaacaaa tagcacatca 60
agctgttgta atgcagttta ttatggaaat ggccaaaaac tgtaatgtgg atccaagagg 120
gtgttttcgt ttatttttcc agaaagccaa agcagaggaa gaaggttatt ttgaagcatt 180
caaaaatgaa cttgaagctt tcaagtcaag agtaagactt tattctcaat caciaagttt 240
tcaacctatg acagttcaga atcatgttcc ccattctggt gttggatcta taggtttatt 300

<210> 608

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 608

atccaggtgt	ttctgatgca	cagtgaatt	ggggtaccac	tggtattagg	ttgggtatgg	60
caactttttc	atcacttggt	ttatgtagtt	gtctgatcaa	ttgtgaaaac	ataatgaatg	120
ttggaaatgg	aacagtaaaa	taacgaaagc	caactttttt	tttttttttt	ttnnnnnnnn	180
nnnnnnnnnt	tnnccccng	ncngnanngc	aggggcccaa	nnnnggntnn	ntgnanccnc	240
cncncccggg	ntnnnccct	ttntcnngcc	taaccnccc	nagnacnngg	aactac	296

<210> 609

<211> 300

<212> DNA

<213> Homo sapiens

<400> 609

cgacaatcag	tgattttgct	gtattttctca	caatagtaat	aatgggttaca	attgactacc	60
ttgtaggagt	tccatctcct	aaacttcatg	ttcctgaaaa	atttgagcct	actcatccag	120
agagaggggtg	gatcataagc	ccactgggag	ataatccttg	gtggacctta	ttaatagctg	180
ctattcctgc	tttgctttgt	accattctca	tctttatgga	tcaacaaatc	acagctgtaa	240
ttataaacag	aaaggaacac	aaattgaaga	aaggagctgg	ctatcacctt	gatttgctca	300

<210> 610

<211> 300

<212> DNA

<213> Homo sapiens

<400> 610

agaataacta	ccagacaaca	tttgttaaaa	ctcaggacag	tatgtatttt	aaataagcaa	60
gtgcatgtgt	gaaaatggct	cattcagttt	ataaaatatt	acattaaatt	tgaggtttct	120
gttttttttc	ttttgtgaca	gtcttgctct	gttccccatg	ctgtattgca	gtggctccag	180
ttcacctcac	tgtaacttcc	acatcctggt	ttcaagcaat	ttgtgcctca	gcctcccaag	240
tagctgggat	tacagtcag	ccaccatgtc	cagataat	ttatattttt	ttgtatagat	300

<210> 611

<211> 300

<212> DNA

<213> Homo sapiens

<400> 611

agatgggtta	aaacttaaat	gtcacatctg	aaacagtaaa	aatcctagaa	gaaatcctag	60
gaaaaactct	tctggacatt	ggcctaggca	aagaatttat	gatgaagacc	tcaaaagcaa	120
acataacaaa	accaaaaata	gacaaatgag	atttaattag	aaaaacttct	gcacagtaaa	180
agtaataatc	aacagttaat	agacaacctc	tagaatggga	gaaaatatat	gtaaattata	240
catctgacaa	agaactaata	tccagaatct	acaaagaact	caacaagaaa	aaaaccaacc	300

<210> 612

<211> 300

<212> DNA

<213> Homo sapiens

<400> 612

tcctggctgt	taggatttgt	tcgtgtttgg	gagaccttta	gagcgtgggt	aaacccatat	60
gttgggattt	atgctgcttt	tatggtagca	ataccctata	ttaagatttg	aagtagacc	120
ggaaagttag	tggccgggtta	gtcagttgg	ttagagcgtg	gtgctaataa	cgccaaggtc	180
gcgggttcga	accccgtagc	ggccagtggt	tggctttttt	ttgtgtgtgt	tttgttttct	240

gaccctctgc tgttatccgg aagtttctac ccggagccag ttgccttctg gtaacagaat 300

<210> 613
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 613
 aaaacataat ttctgtttca tggagatgaa tacaaggctg caagtggaaac atcctgtttac 60
 tgagatgatc acaggaactg acttggtgga gtggcagctt agaattgcag caggagagaa 120
 gattcctttg agccaggaag aaataactct gcagggccat gccttcgaag ctagaatata 180
 tgcagaagat cctagcaata acttcatgcc tgtggcaggc ccattagtgc acctctctac 240
 tctcagagca gacccttcca ccaggattga aactggagta cggcaaggag acgaagtttc 300

<210> 614
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 614
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 aagcatctgt agggaaatcca gaaggagcgt tcatgaagat gttacaagcc cggaagcagc 120
 acatgagcac tcagctgact attgagtcgg aggcgcctc agacagcagt ggcatacaact 180
 tgtcaggcct tgggggtgat cagcttgaaa ttcagctaac cgagcagcta cggtccttca 240
 tccccaacga ggatgtgaga aagttcatgt ctcattgttat ccggaccttg aaaatggaat 300

<210> 615
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 615
 tgggacatgc tcattgatggc tgtcatgcac actgcgaaaa gttgttggtt tactggagca 60
 gggcaaggaa cacctggccc cgcccgagc aaaaaactgc tcaaacacaa aacgatagca 120
 ggaaaggcct gtgccttggc agcatgtttt tgctgcagat aatcagccag agcctgtttc 180
 tctgctctc gctgagattg ctttgtttcc cataaagatt gcttttagct aatctacaat 240
 ctatagaagc aatgcttatc actggctttc tgtcaataaa tgtgtgggtc aagctctgtt 300

<210> 616
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 616
 gctacctggg cggcgacggg ctggacgtgg acgtgccac gcgtctggag ggctggttct 60
 tctgcaagcc cgcccgcaag ctgctctggc tgggtctgca gcccttcttc tactcactac 120
 ggccgctctg cgtccacccc aaggccgtga ccgcgatgga ggtgctcaac acgctggtgc 180
 agctgggggc cgacctggcc atctttgccc tttgggggct caagcccggtg gtctacctgc 240
 tggccagctc cttcctgggc ctgggcctgc accccaatng gggccacttc gtggccgagc 300

<210> 617

<211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 617

ngnnattgag cccnttgaat cnagctactt gttctttttg caggatccca tcgagtccat	60
ctcatatgag tgagaaagct taccagtgcg gcgaatgtgg gaaagccttc cgagggcact	120
cggacgtttt ctaggcacga gagtcaccac agcagtgcga ggccttatat gtgtaatagaa	180
tgtggaaaag ccttcagcca gaactcgagc cttaaaaagc accaaaagtc tcacatgagt	240
gagaagccct atgaatgcaa tgaatgtggg aaggctttta ggcggagctc aaacctcatc	300

<210> 618
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 618

ccccaaactg cactctaccc acccccatca cctactccag ctcccaactt ttgtggactg	60
agcggccgca gagactgggt cgccttggat tccctctgcc tccgaggacc ccaaaagaca	120
ccccaaacc caggccagcc ggccctgtct tggcgcgtcc aaaatactac ctagcacagg	180
cctctgtctg aggcaccccc aaactaccta tgtatccagc cccagagggc ctccattccc	240
aggaagtccc tatgtatccc aacactggca gacaccagc accaccctcc cagaccgca	300

<210> 619
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 619

aattccgttg ctgtcgaatt gttcctgtcc tgccccaaact gatcaatcga ccttgtgaca	60
ttctttcttct ggacaatgaa tcttatgatc tccccaccat ggaccctgtg accccctcct	120
ctgctgacaa tagataacca cctctaactg taacattcca ctgcctacct cagtcctata	180
aagctgcccc tctcctatct accttcgtg actctctttt cgtactcagc ccacttgac	240
ccaagtgaat aaacagccct gttgctcaca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	300

<210> 620
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 620

agaatacaag ctacttggtc tttttgcagg atcccatcga ttcgaaattcc gttgctgtcg	60
aattgttcct gtctgcccc aactgatcaa tcgaccttgt gacattcttc ttctggacaa	120
tgaatcttat gatctcccca ccatggaccc tgtgaccccc tctctgtctg acaatagata	180
accacctcta actgtaacat tccactgcct acctcagtc tataaagctg cccctctcct	240
atctaccttc gctgactctc ttttcgtact cagcccactt gcaccaagg aataaacagc	300

<210> 621
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 621

actatagaat acaagctact tgttcttttt gcaggatccc atcgattcga attccgttgc	60
tgtcgaattg ttctgtcct gcccgaactg atcaatcgac cttgtgacat tcttcttctg	120
gacaatgaat cttatgatct ccccaccatg gacctgtga cccctcctc tgctgacaat	180
agataaccac ctctaactgt aacattccac tgctacctc agtcctataa agctgccct	240
ctcctatcta ccttcgctga ctctcttttc gtactcagcc cacttgacc caagtgaata	300

<210> 622

<211> 300

<212> DNA

<213> Homo sapiens

<400> 622

gtgggagggg gtaggggggag gaagtctgtg gtgagcaaag tttgccttat tacactgata	60
aagtgtgaatt acactaataa agctggatca cctgagggtta ggagtttgag agcagcctgg	120
ccaacatggc aaaaccctgt ctctactata aatacaaaaa ttagccaggt gtggtggcag	180
ggcacttggtg atcctatcta ctggggaggc tgaggcagga gaatcgcttg aaccaggct	240
gtaaagggttg cagtgaagcca agatcatgcc actgcactcc agtctgggtg tcagaatgag	300

<210> 623

<211> 300

<212> DNA

<213> Homo sapiens

<400> 623

caatctcaaa gctggtcgag aaaccacagt ataaatcagt tactggacaa acttgaaatc	60
atggtggaag aaacagacag tgtagctca tgatttgatt tgggtctacc tttggccttg	120
agttcttatt atttacatta taaatattaa ctggttttat attgttaaga caaaacactg	180
gtaaaagttt caacacctcc cttttgcttg tataccataa atgggcagtt tctgaaattt	240
tggataaagc atcaagaact cctttttctg aaacgttcct ccttttttag tgcctaatta	300

<210> 624

<211> 261

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(261)

<223> n = A,T,C or G

<400> 624

gtgaaagagt tcatgacctc cttgogccgg gcctggtgct ctgcgatcaa gggctgcaga	60
acctgtatga gtgccttctt gagctcacgg gtgagcatgg ctccgctggt gtaatccttc	120
ctgatctgct cgagcttgtn nnnnacctgg aggnntangg tatnnnnat nnttnanang	180
cncgnatnat nctgnancta cncngctcgn nacggtattn angncnantn ctatnatgna	240
annnnnnntn ngngnctntn c	261

<210> 625

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(298)

<223> n = A,T,C or G

<400> 625

tttttttgag	acggagtctt	gttctgttgc	caggctggag	tgcggtggtg	caatctcagc	60
tcactgcaat	ctccacctcc	tgggttcaag	aggttctcct	gcctcagcct	cctgagtagc	120
cggggagcta	caagcatgca	ccaccacacc	cagctaattt	tttttttttt	nnnnnnnnnn	180
nnnnnntgtc	ncccaggctt	gagtgcaggg	gcncnatctn	ggntnantgn	aanntntgtc	240
tccnggggttn	atgccnttct	cctgnttnan	cntcccnant	antcccagga	ntagctgg	298

<210> 626

<211> 300

<212> DNA

<213> Homo sapiens

<400> 626

ggtaaggatt	tggggcacag	taccaggagg	ggggcttggt	gccagacctc	atgaggaaga	60
aggattttcc	tatgtacaga	gaaggggacc	ctgtcctggt	gggagggtgt	gtgcaaacct	120
aaccaagtta	ctaacccttc	tgttttctgt	gctacacaaa	ggggataaat	acaagcttcc	180
ctctctagcc	aattctattt	ggttcctgag	tttgaaagt	gatagatact	gattttctat	240
gattttatga	ggacttaaat	aagctcctat	ggaaagtgtt	ttgtgcagtg	ccgtgcccac	300

<210> 627

<211> 300

<212> DNA

<213> Homo sapiens

<400> 627

gcgacatctg	tcacccatt	gategccagg	gttgattcgg	ctgatctggc	tggctaggcg	60
ggtgtccctt	tcctccctca	cogctccatg	tgctgcccct	ccgaagctgc	gcgctcggtc	120
gaagaggacg	accatccccg	atagaggagg	accggtcttc	ggtcaagggg	atacgagcgc	180
cgtaattgac	acatctctta	tttgagaagt	gtctgttgcc	ctcattaggt	ttaattacaa	240
aatttgatca	cgatcatatt	gtagtctctc	aaagtgtctc	agaaattgtc	agtggtttac	300

<210> 628

<211> 300

<212> DNA

<213> Homo sapiens

<400> 628

ggatgaccca	tgccaaaaat	actatgagct	cttactagtc	aaccctattt	ggttggtccc	60
accaacaaag	gcacttgtag	ttacattcac	cacatttgta	acggagccat	tgaagcatat	120
tggaaaagga	actggggaat	ttattaaagc	actcatgaag	gaaattccag	cgctgcttca	180
tcttccagtg	ctgataatta	tggcattagc	catcctgagt	ttctgctatg	gtgctggaaa	240
atcagttcat	gtgctgagac	atataggcgg	tcctgagagc	gaacctcccc	aggcacttcg	300

<210> 629

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (295)

<223> n = A,T,C or G

<400> 629

ggtggtntna gtggnanaag gatcgagtg gagacnngtg cnaatagggg gatcctggta	60
aggtgctnat gtcatgctgc aatgtccanc agcagnaggn ntttgatgtn angngcngga	120
gnngagtggg ccaggggtgc tgtgtnatna nttgattcag nggcttatgg catcactgcc	180
ttctgttncc gggggagcat ggatctagat gtccctgcct ctgaaaacca agtgtcagag	240
ccccttcccc ttgtttttat ttactgtta taataattat taacttcctt gtaat	295

<210> 630

<211> 300

<212> DNA

<213> Homo sapiens

<400> 630

tggtctgctc accagagggt cttcaaatac ttatgcatag catccaaagt taaaagggtt	60
gtgcaactag ctcgagagga aatcaagaat ggaaaatgtg ttgtaattgg tctgcagtct	120
acaggagaag ctagaacatt agaagctttg gaagagggcg ggggagaatt gaatgatttt	180
gtttcaactg ccaaagggtg gttgcagtca ctcatgaaa aacattttcc tgctccagac	240
aggaaaaaac tttatagttt actaggaatc gatttgacag ctccaagtaa caacagttcg	300

<210> 631

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (290)

<223> n = A,T,C or G

<400> 631

gcctagggcc ccctagcacc cactcgatc accgagggtg ccagtccctg tcagacagcc	60
ccccgggggc ccgagtcttc actgagtcag agaagaggcc actcagcatc caagacagct	120
tcgtggaggt atnnnnnnnn nnnnnnnngc cnctggttca tgatntggnt nntanatgca	180
anaggctgtg gctnctnaag tcctaaggat tnctcantga tcanngatcc agggccgttc	240
atgaaccact gggctggatt tgactgttga ntgtggnagn aaatgcccg	290

<210> 632

<211> 300

<212> DNA

<213> Homo sapiens

<400> 632

gtgggggtcag ttctggtctg ctcaccagag gttcttcaaa tacttatgca tagcatccaa	60
agttaaaagg gttgtgcaac tagctcgaga ggaaatcaag aatggaaaat gtgttgtaat	120
tggtctgcag tctacaggag aagctagaac attagaagct ttggaagagg gcgggggaga	180
attgaatgat tttgtttcaa ctgccaaagg tgtttgcagt cactcattga aaaacatttt	240
cctgctccag acaggaaaaa actttatagt ttactaggaa tcgatttgac agctccaagt	300

<210> 633

<211> 300

<212> DNA

<213> Homo sapiens

<400> 633

cacagtcctt ctggaagcca gacccgaagc cacagtagca gtgccagctc agcagagagt	60
caggacagca ggaagaagaa gaagaagaag gaaaagaaaa aacacacaga aacatataaa	120
gcataagaag cataagaaac atgcaggcac tgaagtggaa ttggaaagac gccatctaca	180

cgaccacagg aaccagaaga ggacctacac tcagattaga gcgtgaggaa gtgagttctt 240
 ggagacgtgc tgatgacagg aaagatgacc gggtggaaga gcgggaccct cctcgtcgag 300

<210> 634
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 634
 cccacactcg gacactgtgg aattctacca ggcctgtcg accgagacac tcttcttcat 60
 cttctactat ctggagggca ctaaggcaca gtatctggca gccaggccc taaagaagca 120
 gtcattggcg ttccacacca agtacatgat gtggttccag aggcacgagg agccaagac 180
 catcactgac gagtttgagc agggcaccta catctacttt gactacgaga agtggggcca 240
 gcggaagaag gaaggcttca cctttgagta ccgctacctg gaggaccggg acctccagtg 300

<210> 635
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 635
 ccaggctagt cttgaactcc tggcctcaag caatcctccc acctcggcct cccaaagtgc 60
 tgggattaaa ggcgtgagcc accgtacctg gcccttgggt gaatcttttag ggttttctat 120
 tcatacatat aaaatcatat cattggcaaa cagagataat tttacttcct cttttccaat 180
 ttggatgcct tagatttctt ttccttgcct aactgctctg tctagaactc ccagcactat 240
 gctgaataga gtggcaagag caggcatttg ccttggtcct aaccttacag aaaaatcctt 300

<210> 636
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 636
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 tgggctactt ttaccagatg ctcagtatcc tattactgct gtgtccctta tggaagcctt 120
 gagtgagat aagggtggct ttttatacct taacaggggtg ttggtcatcc tcttacagac 180
 cctcctacaa gatgagatag cagaagacta tggatgaatg ggaatgaagc tgtcagaaat 240
 ccccttgact ctgcattctg tttcagagct ggtgcggctc tgcttgcnca gatctgatgt 300

<210> 637
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 637
 ctttgacgt ccccttccac tgagagccac ttccaccatt taataaaatc gtccacatcc 60

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atcaactttc aaaccattca tgcaacctga ttcttctctg atgctgaaca agaacctggg      120
taccaacagg gcagggtgta aaaggctgcc accctgactc tccttgagtg ggtnnnnnnnn      180
nnnctgtccn ggatggcaac tgctaaaaga gcntgaattg taacacatcc ctaaatgcgc      240
tggtgggctg gagcccaaaa gtgctcatcg aagccctggc acccgcttgc ctgcgtgctc      300

```

```

<210> 638
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (300)
<223> n = A,T,C or G

```

```

<400> 638
aacctatctg catggacctc tgtggaccac agcgtacctg cccctttctg ccctcctgct      60
ccagccccac ttctgaaagt atcagctact gatccagcca ctggatattt tatacctctc      120
cttttcctta agcacagtgt cagaccaaat tgcttggttc tnnnnnnnngn actacanma      180
tatgnatnct ggtncgctgg gcaagttcac tnggcccatg ctgaaagagg cctgccgggc      240
ttangggctg aagagtggtc tgaanaanca ngaactgctg gaancctca ccaagcactt      300

```

```

<210> 639
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 639
agttttcctg tgattagtgt ttttggtgtt gttttatttt ttttcttaca ggaactcttg      60
caagaagaaa ggactatgag ttcaacttta gagggagcca tggggactaa acaaaattct      120
gaggccccct caaccatcta aatggacttc ctctcggggc aggacactcg aaaattaaac      180
ctgaaagact ggttcaggcc atgatgggaa gtgggagtcg aacatgcctc atcataccct      240
ccagcattaa catcaacaca gaccttaagg ctgataagaa gcatttaca tctattctct      300

```

```

<210> 640
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (299)
<223> n = A,T,C or G

```

```

<400> 640
gttagctcga ggggcaaata aagagcacag gaatgtttct gattacacac ctctaagtct      60
ggctgcttct ggtggctatg tgaacatcat caaaatatta ctaaatgcag gagctgagat      120
taactctaga actggttagca aattgggcat ctctcctctg atggttagcag ctatgaatgg      180
gcatacagct gctgttaagc tcctgttaga catgggctct gacataaatg ctcagataga      240
aaccaatcgg acactgnnnn nnnnnnnnnn ngcttccaag gaagaactga agtggttag      299

```

```

<210> 641
<211> 300
<212> DNA
<213> Homo sapiens

```

<400> 641

cagagacctg	acagtggcaa	tgtatggcca	cgttactgaa	tctacatggt	gcaagagaaa	60
aactagcaga	tgttcttggc	agccctgtca	ttcagctata	ttgctaaagc	actaggtgga	120
atcattatga	aaatttccat	cactcaaata	gaaaggagat	ttgacatatc	ctcttctctt	180
gctggtttaa	ttgatggaag	ctttgaaatt	ggaaatttgc	ttgtgattgt	atgtgtaagt	240
tactttggat	ctaaactaca	cagaccgaag	ttaattggaa	ttggttgtct	ccttatggga	300

<210> 642

<211> 300

<212> DNA

<213> Homo sapiens

<400> 642

gagagcttgg	gatgtggtaa	tgccagccac	actcctggga	gccgtggcca	gatctcggca	60
tatattatca	aaagcacatc	agtgccgaag	aatcgggtcat	ctaagtgtta	aaccacttaa	120
ggaatttgaa	aatacaacat	gcagcacact	gacaatacgt	caaagcttgg	atgtgttctt	180
tcctgataaa	acagctagt	gtttgaataa	gtctcagatc	ctggaaatga	accaaaaaaa	240
gtcagatacc	agcatgctgt	ctccattaaa	tgctgctcgt	tgccaagatg	aaaaggcaca	300

<210> 643

<211> 300

<212> DNA

<213> Homo sapiens

<400> 643

gcctgccaga	atggaagcat	acagatctgg	gaccgaaatt	tgactgttca	tcctaagttc	60
cactataaac	aggctcatga	ctcgggcaca	gacacttctt	gcgtgacttt	ttcctatgat	120
ggtaatgtcc	ttgcctctcg	tgaggtgac	gattcattaa	aattatggga	catccgacaa	180
tttaataaac	cacttttttc	agcctcgggt	cttcccacca	tgttcccaat	gactgactgc	240
tgtttcagtc	cagatgataa	gctcatagtc	actggtacat	ctattcaaag	aggatgtggc	300

<210> 644

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 644

ccggagagaa	gcagcaggag	ggcggcggcg	ccgtgcgctg	cgacacacct	gccaaactgca	60
cctatcttga	cctgctgggc	acctgggtct	tccaggtggg	ctccagcggg	tcccagcggc	120
atgttntnnn	nnnnnnntg	gcaattaaca	acatcttaaa	actgactcag	ctcaccacgt	180
cttccatgta	ttcacttcct	aatgcaccct	ctctggcaga	cctggaggac	gatacacatg	240
aagcctgtga	tgatcagcca	gagaagcctc	actttgactc	tcgcagtgtg	atttttgagc	300

<210> 645

<211> 300

<212> DNA

<213> Homo sapiens

<400> 645

actgttcac	ctaagttcca	ctataaacag	gctcatgact	cgggcacaga	cacttcttgc	60
gtgactttt	cctatgatgg	taatgtcctt	gcctctcgtg	gaggtgacga	ttcattaaaa	120

```

ttatgggaca tccgacaatt taataaacca cttttttcag cctcgggtct tcccaccatg      180
ttcccaatga ctgactgctg tttcagtcca gatgataagc tcatagtcac tggtagatct      240
attcaaagag gatgtggcag cggcaaacct gttttctttg agcgtaggac tttccaaagg      300

```

```

<210> 646
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 646
gcgacatcag aagatcattg aggaggcccc agcgccctgt attaaatctg aagtaagaaa      60
aaagctggga gaagctgcag tcagagctgc taaagctgta aattatgttg gagcagggac      120
tgtggagttt attatggact caaaacataa tttctgtttc atggagatga atacaaggct      180
gcaagtggaa catcctgtta ctgagatgat cacaggaaact gacttgggtg agtggcagct      240
tagaattgca gcaggagaga agattccttt gagccaggaa gaaataactc tgcagggccca      300

```

```

<210> 647
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (278)
<223> n = A,T,C or G

```

```

<400> 647
ggtgactgcc atcctggagc cctacccctg catccacttc cctctggcca catatgcccc      60
tattatctct gctgaaaaag cctaccatga acagctttct gtagcagaga taaccattgc      120
tatgctttnn nnnnnnnnac ctgatgntaa nanntgaacc tcnntgcggg tnttncannn      180
tttntntntc nantcnnnna cgtcttgntt nntncttntt nntttctcgc annantttnn      240
natntcntnn cctttgnttt tncntcttct tnnntaat      278

```

```

<210> 648
<211> 150
<212> DNA
<213> Homo sapiens

```

```

<400> 648
ccccggtcgt gtagcgggtg tatactacgg tcaatgctct gaaatctgtg gagcaaacca      60
cagtttcatg cccatcgctc tagaattaat tcccctaaaa atctttgaaa taagggcccc      120
tatttaccct atagacccc ctctagaggg      150

```

```

<210> 649
<211> 277
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (277)
<223> n = A,T,C or G

```

```

<400> 649
gaagaangcc tatncnnnct attagctana natagtcnnt nnnaatanga naganangtn      60
acnnanaang cnananngnn nnagagatag etcnacntaa agacnggana angatcttcg      120

```

```

ccttaatact tttttatattt gttttatattt gaatgatgag ccttcgtgcc ccccttcccc 180
ccttttttgt cccccaactt gagatgtatg aaggcttttg gtctccctgg gagtgggcgg 240
aggcagccag gggttacctg ccacaaacgg ggaccag 277

```

<210> 650
 <211> 300
 <212> DNA
 <213> Homo sapiens

```

<400> 650
gaggtagtga cacaggctgt gggagggggg agggggagga agtctgtggt gagcaaagtt 60
tgccttatta cactgataaa gtgtaattac actaataaag ctggatcacc tgaggttagg 120
agtttgagaa cagcctggcc aacatggcaa aaccctgtct ctactataaa tacaaaaatt 180
agccaggtgt agtggcaggg cacttgtgat cctatctgct cgggaggctg aggcaggaga 240
atcgcttgaa cccaggctgt aaaggttgag gtgagccaag atcatgccac tgcactccag 300

```

<210> 651
 <211> 300
 <212> DNA
 <213> Homo sapiens

```

<400> 651
ggcacagtac caggaggggg gcttggtgcc agacctcatg aggaagaagg attttcctat 60
gtacagagaa ggggaccctg tctgttgagg aggtgctgtg caaacctaac caagttacta 120
accctctgt tttctgtgct acacaaaggg gataaatata agcttccctc actagccaat 180
tctatttggt tctgagttt ggaaagtgat agatactgat tttctatgat tttatgagga 240
cttaaataag ctctatgga aagtgttttg tgcagtgccg tgcccataaa gaagagctca 300

```

<210> 652
 <211> 300
 <212> DNA
 <213> Homo sapiens

```

<400> 652
acgtgaacga gaaaaggaga aagaacggga gcggaacga gaacgggata gggaccgtga 60
ccggacaaaa gagagagacc gagatcgga tgcagagaga gatcgtgacc gggatagaga 120
aaggagctca gatcgtaata aggatcgag tcgatcaaga gaaaaaagca gagatcgtga 180
aagggaacga gagcgggaaa gagagagaga gagagaacga gagcgagaac gagaacggga 240
gcgagagaga gagcgagaga gggaacggga gcgagaaaga gaaaaagaca aaaaacggga 300

```

<210> 653
 <211> 300
 <212> DNA
 <213> Homo sapiens

```

<400> 653
tgaacgagaa aaggagaaag aacgggagcg ggaacgagaa cgggataggg accgtgaccg 60
gacaaaagag agagaccgag atcgggatcg agagagagat cgtgaccggg atagagaaag 120
gagctcagat cgtaataagg atcgagtcg atcaagagaa aaaagcagag atcgtgaaag 180
ggaacgagag cgggaaagag agagagagag agaacgagag cgagaacgag aacgggagcg 240
agagagagag cgagagaggg aacgggagcg agaaagagaa aaagacaaaa aacgggaccg 300

```

<210> 654
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (294)
 <223> n = A,T,C or G

<400> 654

cccccttcctt ctgtctctgg agacccttga gcttggggaa atatggaggg gtgtgtgtct	60
gcaatcaagg cctctgcagc tcacggctgg cccggtgggc tgggacttcc gtctgaattt	120
taaataactta gggttcattt tttttctctt ggcaacaaag cttgatgttt tcaactgcttt	180
agtttcctgt ttgctgggtg gaggggatac ggtctgtgac tctggacttg ctctggggga	240
acagttgtca ctgcccccg gganaagggc agctnnggct ggagaagcac agcc	294

<210> 655
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 655

acagcctggg cgtgcggcga gctgagatca agccccgggt gcgcgagatc cacctgtgca	60
aggacgagcg cggcaagacc gggctgaggg tcggaaggt cgaccagggg ctctttgtgc	120
agttgggtcca ggccaacacc cctgcatccc ttgtggggct gcgctttggg gaccagctcc	180
tgcagattga cggcggtgac tgtgctgggt ggagctcgca caaagcccat caggtggtga	240
agaaggcatc aggcgataag attgtcgtgg tggttcggga caggccgttc cagcggactg	300

<210> 656
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 656

tcaagtttgt ttgaagacac gtgtgccttt gtaccattta taagatgggc ataagaccca	60
agaactgata agcttttggt tttttttgtt ttgttttgtt ttttgcttca tttaccatt	120
catgcctagg gttccattat tggaaacctta agcttgtggg agttatttct atcctactgc	180
tcaaggtcat caccaagatc tgatttttca taaaaaacat ttgtgacctt cggcataaat	240
gggttaaggt gccatccctg aaactgcaat gcagatatgt tcagataact tttatttttt	300

<210> 657
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 657

aaatgttttt gaatcaagtt tgtttgaaga cacgtgtgcc tttgtaccca ttataagatg	60
gtcataagac ccaagaactg ataagctttg gttttttttt gttttgtttt gttttttgct	120
tcatttaccc attcatgcct agggttccat tattggaacc ctaagcttgt gggagttatt	180
tctatcctac tgcacagggt catcaccaag atctgatatt tcataaaaaa catttgtgac	240
cttcggcata aatgggttaa ggtgccatcc ctgaaactgc aagcagatat gttcagaaac	300

<210> 658
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 658

ctatgatcag gactgactag gtagttggca tggcccatag agaacaagga aagatgggct	60
ggtggattgg ccacactggg agccacatgg ggcaagggga gccctcacc tcagccagcc	120

agacgagtgg gatttcccc agcacagcat acccccttca caaagggaca actaaagtgc	180
ttcattaagc aagtccctga tcctgtgcc cccaactggg tgagacaccc caatgggtca	240
ccagacacct tatacaagag catttctact ggcacaggt gggtgcccct caaggacaga	300

<210> 659

<211> 300

<212> DNA

<213> Homo sapiens

<400> 659

gttttgctg ggcagatgg ttagcgctg cagttccagc tacctgggag ggtaagccca	60
gttcaaggct gcaattaact atgatgggtg ccctgcattt cagcctgggt gacaaaatta	120
aatcctggcc caaaaaaaaa aagtagccag gcatgggtggc gggagcctgt tgtcccagct	180
gttccgtagg ctgaggcacg acattcactt gaacctggga ggtggagggt gctgtgagct	240
gacaccacgc cactgcactc cagcctgggt gacagtgaga ctctgtctca ataaataaaa	300

<210> 660

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(280)

<223> n = A,T,C or G

<400> 660

attcgaaat atgcagttat tccactaaat gatgaatgtg ggattattga atgggtgaac	60
aacactgctg gtttgagacc tattctgacc aaactatata aagaaaaggg agtggatatg	120
acannaaaag aacttttcca gtgctnctac ctcnngctnc ngntttatct gaanagntgg	180
nagtntcn cn ngatangnc tgntttgcat cntnntann ngntnnnnn gccctttcn	240
tnntgnttgn cggnnnnngcn ttgncnnnag tcanccgctg	280

<210> 661

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(294)

<223> n = A,T,C or G

<400> 661

aataggannn ctaanaggct angtgagnaa tatcaancnc cgcnetgttt ttnggtggtt	60
aangnngtat anngggcntn natgggnagg aatncanatg gtagttggga naggggagga	120
tacaggtgga tgggactgga ggttgataaa ggtgttcttg gaaggaaggg gcaggagtgtg	180
gaattagtgt gtccctactg tccccatga ggttgatgaac ccctccccca acttttcatg	240
tttcttaaag gcatttttgt tttttaaaat ctgtacagca agagcaactt tttc	294

<210> 662

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (279)
 <223> n = A,T,C or G

<400> 662

gaaaanggna	ngactgnttt	atgggggcnc	caannnnncng	nnncanttnc	annnnngccc	60
cnanaatggc	caatgctcgt	ttagggaacc	gccattctgc	ctggggacgt	cggagcaagc	120
ttgatttagg	tgacactata	gaatacaagc	tactgtttct	ttttgcagga	tcccatcgat	180
tcgcaggaat	cgatctcgtg	aagcccgcga	ggaccgaaca	ccccacccc	gatttagacc	240
tgccaggtgct	gccccacgtc	ccccaccaa	gccccatgta			279

<210> 663
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 663

gctaagtatt	ctaggatcta	cagttatggt	cattcatgct	ccaaaggaag	aggagattga	60
gacttttaaat	gaaatgtctc	acaagctagg	tgatccaggt	tttgtggtct	ttgcaaccct	120
tgtgggcatt	gtggccttga	tattaatctt	cgtgggtggg	cctcgccatg	gacagacaaa	180
cattcttgtg	tacataacaa	tctgctctgt	aatcggcgcg	ttttcagtct	cctgtgtgaa	240
gggcctgggc	attgctatca	aggagctggt	tgccagggaa	cctgtgctgc	ggcatcccct	300

<210> 664
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 664

tcgttttaggg	aaccgccatt	ctgcctgggg	acgtcggagc	aagcttgatt	taggtgacac	60
tatagaatac	aagctacttg	ttctttttgc	aggatcccat	cgattcgaat	tcggcacgag	120
catggtaatc	ctgctcagta	cgagaggaac	cgcaggttca	gacatttggt	gtatgtgctt	180
ggctgaggag	ccaatggggc	gaagctacca	tctgtgggag	gaaggaggca	ggctgtgggtg	240
ggactgggta	gggtatagta	tcactcctga	gttccactgc	tctagaatct	aaccagaaat	300

<210> 665
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 665

cccaggagc	ggagcagag	cacccaggca	gcctgcgcg	agaaattgga	tcggcgggga	60
cggcctgcag	ctcccgcgcg	cggggaaagg	gaagaagtcc	tcccctacaa	agcaaattca	120
caaacttgga	agaagcaatt	tacacaggat	gtgcagatct	caatggaagg	acacgggaaa	180
cgtgaaaaag	caaggaagtg	ggacgcctcc	aaaggnnnnn	nntaattctc	cagcancaga	240
tcccatcca	aaaganattc	aagaantgtc	atatagagaa	ttgtggaaac	tgatttta	298

<210> 666
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (272)

<223> n = A,T,C or G

<400> 666

gacagcccca atccgggagc aggagggcct cctgccttgg catatagacc cctggggcgcc	60
tccctgggat gccaccagg cccagggatc cacctagggt gggttggcta tcctgggtgat	120
ggnnnnnnnn nnnnnntnaac ctntctttnt ntacnnnnt acnnctcatn tatntcctc	180
tannngntaan tntgnnnnnn tnnncttntn ccaantagnn nntttngnnn ncnntcnnt	240
naatntanat tnnntnnnt nttntnnntna tt	272

<210> 667

<211> 300

<212> DNA

<213> Homo sapiens

<400> 667

ggaacgcagc tgctcaccag caacggaaca aagctggacg gagaatgact ttgaagagct	60
gagagaaggc ttcagacgat caaattactc tgagctacgg gaggacattc aaaccaaagg	120
caaagaagtt gaaaactttg aaaaaataaa atgtacatta attaacgtgg aatctgggtga	180
acagtaacaa acttttggtga aatttcagga accatagcca ttgaagtggg tgaggggaacc	240
tatatacatg cactcaacaa tggctctttt accctgggag ctccacacaa agaagaatcg	300

<210> 668

<211> 300

<212> DNA

<213> Homo sapiens

<400> 668

attaaaccgg tttctgtggg cacctctgtc cttgctgctg gtggggaagg gaagccagat	60
ccagcaccac ctggggggcc atcgggagtg tggctggggg tgaagggggc tctgtggcaa	120
tatgggggtg ggtagtgtgg gtggcaggcc atccctctta atcttggaa ctctgaatat	180
gggacctccc acagcaaagg gtgacttttg tcattaagaa agactggggg ggggtgtggtg	240
gctcacgcct gtaacccag cactttggga ggccaagggt ggcagatcac gaggtcaaga	300

<210> 669

<211> 300

<212> DNA

<213> Homo sapiens

<400> 669

agaggacct gcagttaggg ggtgttactt tgtcgcccag gatggcctgg acccccagggt	60
tcagggattc tcccgcgcgt gcttcctgag tagctgggac ctccaggttc cgctcgtgc	120
ccgcatecct gctgtgttta ggcagcagggt ggtgacctca ctccctccctg gcctgagctc	180
tccgtcccgc atcccaggcg gaggccctag ggaacacttt gaagctgagc acgggggtgga	240
ccctccctcc tgagtgaatg gagaatagaa agggagagga tttctgttct gttctgtggg	300

<210> 670

<211> 300

<212> DNA

<213> Homo sapiens

<400> 670

acccgaggct cggtgtacta ggtgcgaatg ccgccttctg tggtgaccac tgtcttctca	60
tcctttgcac ctataggagg tgagtgcctt tggggaagac ggcgagggcg acgacctgga	120

```

cctatggaca gtgcgctgct ctggacagca ctgggagcgt gaggctgctg tgcgcttcca      180
gcatgtgggc acctctgtgt tcctgtcagt cacgggtgag cagtatggaa gccccatccg      240
tgggcagcat gaggtccacg gcatgccag tgccaacacg cacaatacgt ggaaggccat      300

```

```

<210> 671
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 671
ataatttggg gcatttccnn acantgtctt nncaaganta aaatgtgngc gccaaaattt      60
ngnatnttan tnggagantt nttatccaaa ntaangctgc cntaggaagt ctaaggaatt      120
agtagngttc ccatcncctt tttggagtgn gctattctna aagaataagc aatgctcgtt      180
tagggaaccg ccattctgcc tggggacgtc ggagaaagct tgatttaggt gacactatag      240
aatacaagct acttgttctt tttgcaggat cccatcgatt cgaattcggc acgagcagga      300

```

```

<210> 672
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 672
ggctctccct gagtgtcgag gaggacatga gtgaaatgac cagcgaactc attttttata      60
ggactcgggtg aagccggatt ctgcatttcc ctacttgtag actcattttg tggaatagag      120
ttgatcgctg tctcctccgc aaagcatttt aactcgaata agcaaagcc gcctctgttt      180
gaacgttttg gtatttacia gagagaaatc attttaccta agagaactaa ttgaattggc      240
agcatccttg aaatacctcc ggacaaggat ctgggggtgg ggggtggaaa gcaactgcga      300

```

```

<210> 673
<211> 285
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

```

```

<400> 673
gtgagacagg ttagtctttac cctactgatg atgtgttggt gccatggtaa tcctgctcag      60
tacgagagga accgcagggt cagacatttg gtgtatgtgc tacgtcgccc tggacttcga      120
gcaagagatg gccacggctg cttccagctc ctccctggag aagagctacg agctgcctga      180
cggccaggtc atcaccattg gcaatgagcc ggttacgctg ccctgaggcn nnnnnnnngc      240
cttnnttact ggcattgntgt tctgttntn cngnngagta cattc      285

```

```

<210> 674
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<400> 674

```

```

gtcaatggtg tacaagcaat gctcgttttag ggaaccgcca ttctgcctgg ggacgtcgga      60
gcaagcttga ttttaggtgac actatagaat acaagctact tgttcttttt gcaggatccc      120
atcgattcga attcggcacg agggggattc ataattccag acaggtagag aacggtttta      180
tttatgtaga gacagagtct cgctctgtcg ccaggctgag gcgggagaat cacttgaacc      240
tgaggaggtg aggttgcgct gagctgagat cattacactg cactccagcc tg                292

```

<210> 675
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (271)
 <223> n = A,T,C or G

```

<400> 675
canaccnatt ctcnnttggc aacnangatc ganggggnac ctagnnnann nnnnnnnnaa      60
tgacgcaaat gggcggttcca ttgacgtaaa tgggcggtag gcgtgcctaa tgggaggtct      120
atataagcaa tgctcgttta gggaaccgcc attctgcctg gggacgtcgg agcaagcttg      180
atttaggtga cactatagaa tacaagctta ctttgttctt tttgcaggat cccatcgatt      240
cgaattccgc acatgaatct cccctcctca c
                                                                    271

```

<210> 676
 <211> 300
 <212> DNA
 <213> Homo sapiens

```

<400> 676
aatgatgac agagagaacc ctggtgaaag agcgttacca ggaggtcctg gacaaacaga      60
ggcaagtgga gaatcagctc caagtgcaat taaagcagct tcagcaaagg agagaagagg      120
aatgaagaa tcaccaggag atattaaagg ctattcagga tgtgacaata aagcgggaag      180
aaacaaagaa gaagatagag aaagagaaga aggagttttt gcagaaggag caggatctga      240
aagctgaaat tgagaagctt tgtgagaagg gcagaaggta actgatgtta agaataaaaa      300

```

<210> 677
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (289)
 <223> n = A,T,C or G

```

<400> 677
gcgagccagg attcccgatc cagagacaat ggccccgatg ggatggagcc cgaaggcgtc      60
atcgagagta actggaatga gattgttgac agctttgatg acatgaacct ctcgaggtcc      120
ctnnnnnnnn nctntangc ctatggtttt gangaactnt tnngttttat tttntgttn      180
antnttngtn gnctgntntg ntnntgtngg atngaganga anantttctt tntgngccat      240
gtgctgatgg angnntnntn tntcnnatt tntnnntttt natgttttt                289

```

<210> 678
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 678

ggaccatgac	atctagggcc	tctgaacttt	ctccggggcg	cagcgtgacg	gctggcatca	60
tcattgttgg	agatgagatc	cttaaggagc	acactcagga	caccaacacc	ttctttctgt	120
gccggacact	gcgctcccta	ggggtccagg	tttgccgagt	ctcagttgta	cctgatgagg	180
tagccaccat	tgcagctgag	gtcacttctt	tctccaaccg	cttcacccat	gtcctcacag	240
cagggggcat	cggcccccact	catgatgatg	tgacctttga	ggcagtgga	caggcctttg	300

<210> 679

<211> 300

<212> DNA

<213> Homo sapiens

<400> 679

ttcaccaatg	acatgatctt	atagcgattc	tataaaaaaca	gaataattaa	caaattcagc	60
aaagttgtca	aatacaaaat	caacacacag	aaatcagttg	cattttctata	tagtactagc	120
agtgaacact	tcatgaagga	aattagcagt	ttcattttaa	tagcatcaca	tagaataaaa	180
tacataggaa	ttaaccaagg	aggtgaaaga	cttgtagaca	gaaaactaca	aaatattgtt	240
gaaagaaatt	aaagaagaca	taattaaatg	gaaagacatc	ctgtgttcaa	ttatatccat	300

<210> 680

<211> 300

<212> DNA

<213> Homo sapiens

<400> 680

tcaaggccta	cgaacagggtg	atgcactacc	ccggctacgg	ttcccccatg	cctggcagct	60
tggccatggg	cccggctcacg	aacaaaacgg	gcctggacgc	ctcgcccctg	gccgcagata	120
cctcctacta	ccaggggggtg	tactcccggc	ccattatgaa	ctcctcttaa	gaagacgacg	180
gcttcaggcc	cggtctaactc	tggcaccctg	gatcgaggac	aagtgagaga	gcaagtgggg	240
gtcgagactt	tggggagacg	gtgttgacga	gacgcaaggg	agaagaaatc	cataacaccc	300

<210> 681

<211> 300

<212> DNA

<213> Homo sapiens

<400> 681

gggagactgg	ggtctatttc	acccctgcag	tctcgaccat	aagagatggc	tacaccacag	60
ggggccagtt	cagagaccca	ctcccagggtg	tgcatctctt	ttctcaagga	tgttccttgc	120
tgagaaaaag	aattcagtga	tattttctccc	atttgcttgt	gaaagaagag	aaatgtggct	180
ttgttccacc	tggtccaccg	gcggtcagaa	tttaagggtta	tctctcttgt	ttcctaaaca	240
ttgtgtttat	cctgttcttt	tttcaagggtg	cccagatttc	atattgctca	aacacacatg	300

<210> 682

<211> 300

<212> DNA

<213> Homo sapiens

<400> 682

gatcagccca	cctcggcctc	acaaagtgtc	gggattacag	gcgtgagcca	ccttgcccag	60
cccacatcat	acagtttgaa	atgaaacttt	gccacaacca	gcctttgctg	tagcacacac	120
atatatcact	gaacctgttt	gaaataaagt	ttttttcttt	tttcctctgg	tattctgggt	180
tctgaagtct	ggtattcttg	tattctgggt	tcaaaagtat	gacttgagag	tgttgctctg	240
gtattctgag	agttgctctg	tattctgggt	tctgaagatt	atttgaaaaa	taactcctac	300

<210> 683

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 683

ggtacaccaa	agaagaaagc	tggtgtccag	gctaagttga	caaccactgg	cccgggtgact	60
tctccagtga	aaggcgctc	atttgtcacc	agtaccaatc	cccggaaatt	ttctggcctt	120
tcagccaagc	ccagagtggg	tttgggcata	gtaatcagca	aaagctacgg	aataattcta	180
agaattagat	gtttccatat	cattaaaacc	aaggatccat	gaggggcaga	agggaggatt	240
caaagatttt	aaaaaaatca	aatttttagac	cttggttaaa	tattaactgg	aatgggatct	300

<210> 684
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 684

agactccctt	tcccggctctg	ctcagtaacg	ggtgccttcc	cagacactgg	cgttaccgct	60
tgaccaaggg	gccctcaagc	ggcccttatg	cgggcatgac	agaaggctcc	cctcttgctt	120
tctattcact	tctcacaatg	tcccttcagc	acctgacctt	atacctgccg	gttattccta	180
ggttatatta	ttaatgcaac	agagtaatat	taaaagctaa	tgattaataa	tgtttataat	240
aatgatggat	aattgttcat	gatcatcgct	gtatctaatt	tgtattatga	ctattcttat	300

<210> 685
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 685

ggagagaaac	cttatggatg	cattgactgt	ggcaaggcct	tcagccagaa	gtcttgcttt	60
gtagcacatc	agagatatca	tacaggaaag	actccctttg	tatgtcctga	atgtgggcaa	120
ccctgttcac	agaagtcagg	actcattaga	catcagaaaa	ttcactcagg	agagaaaccc	180
tataaatgca	gtgactgtgg	gaaagccttc	cttacaaga	caatgctcat	tgtacatcac	240
agaactcaca	cgggagagag	accctatggc	tgtgatgagt	gtgagaaagc	ttacttctat	300

<210> 686
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 686

gggcccgtca	gtttttacgt	aaaatggcag	atccacagtc	catccaggaa	tcgcagaatc	60
tgtccatgtt	cctggccaat	cataacaaga	tcacacagtc	tctgcagcag	cagctcgaag	120
tgatttctgg	ctacgaagag	cctctagaac	tatagtgagt	cgtattacgt	agatccagac	180
atgataagat	acattgatga	gtttggacaa	accacaacta	gaatgcagtg	aaaaaatgc	240
tttatttgtg	aaatttgtga	tgctattgct	ttatttgtaa	ccattataag	ctgcaataaa	300

<210> 687
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 687

gtctgccttc	aagaagccag	acaggaaggc	cctgcctgcc	ttggctctga	cctggcggcc	60
agccagccag	ccacaggtgg	gcttcttcct	tttgtggtga	caacgccaag	aaaactgcag	120
agggcccgag	gtcaggtgta	agtgggtagg	tgaccgtaaa	acaccaggtg	ctcccaggaa	180

cccgggcaaa ggccatcccc acctacagcc agcatgcccc ctggcgtgat ggggtgcagag 240
 ggatgaggca gccaggtgtt ctgctgtggt ttgggagcct ataaagtgag actaggctgg 300

<210> 688

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 688

gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagagaga gagnnnnnnn nnnnnnnnnn cncacnctct tntntcncgn 180
 nnnnnntctc tctntgtntc nctctnngtg tnnaganatnt ntctctctta tatntntntn 240
 tntttntctc ctcnanannc tctctctctc tntntgtgtc tctntcacnn ccctctctct 300

<210> 689

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(286)

<223> n = A,T,C or G

<400> 689

gtggtctctc cccctgtacc tagaaagcta tttgagctgg atccgtccct ctgatcgtga 60
 cgcttcctt gaagaatttc ggacatctct gccaaagtct tgtgacctgt anctgccnccg 120
 ttttgaagag cttganctgg ttncctnttg gnnnttcgnt ntgtntntct cntnntgtnc 180
 nntcnanant nntnantttn natngntgna tnnntaangc ntatnnttn cttnatnntn 240
 tnnagagctn ttnnnntttt nnnntnatnc ttngtnatgn tcatta 286

<210> 690

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 690

aaannnaana agnnnnaagn aancnnttaa gagangaang atngangnna gnntntnaat 60
 ngnaaggntn natnnncaca nntgntantc tcggatntaa tgtannccna tgaagnaaga 120
 aaaccttgga ccttgatgat attcacacac attcaggaac ctgttttgat gtattatagg 180
 caggaagtgt ttttgctacc gtgaaacctt tacctagatc agccatcagc ctgtcaactc 240
 agttaacaag ttaaggaccg aagtgtttca ag 272

<210> 691

<211> 300

<212> DNA

<213> Homo sapiens

<400> 691

ggcagcaggc	actaagcagg	ctagtgtctct	cagcttcccg	gcctcccctt	ccaggccgct	60
gccgcctgac	cctgtgtcca	agagactcca	ggctgagctg	gctgaccgac	ccaatcccc	120
taccgcacct	ctgcccgctg	accgggtggt	gagaagcccg	aagtctcagg	ggccagccaa	180
gccccaccc	ccaaggaagc	cactgcctgc	cgacccccag	ggccgggtgcc	catcggtgga	240
cctgcccggc	ccaggggctg	gaatcccgcc	cctagtggta	ccctccagac	cagcgccacc	300

<210> 692

<211> 300

<212> DNA

<213> Homo sapiens

<400> 692

aaaatgcctt	cattttcctt	tttactttat	catgagacat	aagattttatt	ggcttcatat	60
caacccttaa	gtattgttaa	ctttatgtaa	tagcatttgg	gttggggatt	ggtgtgtttt	120
cggttgtaca	tagcatagtt	gaattatggt	aggcataatt	atgaccttat	tattgtcttt	180
atttgaaaat	tatatatgat	ctcaggaaat	gtgtatgagt	tcaagttgac	aaggagtggga	240
tttgggatgg	ttgataactga	gtgtcaactt	gattggattg	aagcatgcag	agtaataatc	300

<210> 693

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 693

ggctgtcgct	gaccagggag	aagctgcctg	tctacatcag	cctgggctgc	agcgcgctgc	60
cgccgcgggg	ccggcagcca	tggccaagga	catcctgggt	gaagcagggc	tacactttga	120
tgaactgaac	aagctgaggg	tgnnnnnnnn	nnnnnnntatt	cagcttatcc	taaacctgaa	180
agaagagtga	gtagacttta	aggatcaaga	taatctgggg	cttcccagtt	gtgtcggcca	240
aggacctgag	acctgaaggg	ttgactttac	ccatttgact	gggagtgttg	agcatctgtc	300

<210> 694

<211> 300

<212> DNA

<213> Homo sapiens

<400> 694

ccccggtgtc	ccgcgaggg	gcccgggg	gggtccgccc	gccctgcggg	ccgccggtga	60
aataccacta	ctctgatcgt	tttttcaatt	gaccgtggag	gccccatgc	ccaagctagc	120
cacgcagtcc	aacgagatca	ccatcccagt	caccttcgag	tcgcggggccc	agcttggggg	180
cccagaagct	gcaaaatccg	atgagactgc	cgccaagtaa	accccttagc	ccggatgccc	240
acccctgctg	ccgccactgg	ctgtgcctcc	cccgccacct	gtgtgttctt	ttgatacatt	300

<210> 695

<211> 281

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(281)
 <223> n = A,T,C or G

<400> 695
 caggcgctact gacagggtgga ccaacggact gatttagaag agaacaagca tgcgctccct 60
 acattccagc cacatatcac aaacgactac ggtctggaca actttgacac acagtttacc 120
 agngagcccg tgcanttgac cccanacgat nangatgccca tatagaggat ngaccagtcn 180
 nagttcgaag gntntganta tatccatcca ttattgctga ncnncnnanga ncnntntnc 240
 atntacntnt agtcnntntt ttngctntct cccnnccact c 281

<210> 696
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 696
 ttctggccaa ctagaggagt ctgaaggacc agacaattgc tcagaaacag aaggctgttt 60
 agaattttct aaattcatta agggcaattc tgggtactttt ctggaaattg gctttaagag 120
 ctcacctctgc attttttaaaa tctctccaac tggatcaaatt tttttatata ctctgttgat 180
 aggttttttt aaaacacatg actcttcagg actacaagca gtattagtct ggtttcctac 240
 agaagcctgt cctgaggaag aatttggact agctggtctg gaacttaagt tagaaccac 300

<210> 697
 <211> 262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(262)
 <223> n = A,T,C or G

<400> 697
 gtcagggtctg gactgtgagc ctgtgcttgg gtcctggagg aggtgaggga ggtatacatt 60
 gatgagtttg gacaaaccac aactagaatg cagtgaaaaa aatgctttat ttgtgaaatt 120
 tgtgatgcta ttgctttatt tgtaaccatt ataagctgca ataaacaagt taacaacaac 180
 aattgcattc attttatgtt tcaggttcag ggggaggtgt gnnnnnnnnnn nnnnnnnnnn 240
 nannntnnnn tanngnntna tg 262

<210> 698
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 698
 gggcgaaaaa gatgaccgaa attcaaactc ctgaaaatac tcctcgttta tttgatttag 60
 taaaagtaaa agatgagaaa attcgccaag ctttttatat tgctttacga gataccttag 120
 tagctgacaa cttggatcaa gccacaagag tagcatatca aaaagataga agatggagag 180
 tggttaacttt acaggggacaa atcatagaac agtcagggtac aatgactggt ggtggaagca 240

aagtaatgan nggaagaatg ggtncctcac ttgntattga aanctctgaa gaaga 295

<210> 699
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 699
 agaaagtgtc agcacagttt gtgttggtga tttgctactt ccatagttta cttgacatgg 60
 ttcagactga ccaatgcatt tttttcagtg acagtctgta gcagttgaag ctgtgaatgt 120
 gctaggggca agcatttgct tttgtatgtg gtgaattttt tcagtgtaac aacattatct 180
 gaccaatagt acacacacag acacaaagt taactgggtac ttgaaacata cagtatatgt 240
 taacgaaata accaagactc gaaatgagat ttttttggtac cacctttctt tttagtgtct 300

<210> 700
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 700
 aagtagagga ggaagttcag acaatttcat aagtgtctaa aaagagacag ttatgcgacc 60
 attgacgagg agtaaaagtc gtctattgag catcttattc actacaaata gaagaaagaa 120
 ataccagttt cctgacaagc cccaccccat gcttggccag ttcctgagta cacttaatat 180
 attttagagg aaaagatgct agaaccacag gagaatggcg tgattgacct accagattat 240
 gagcatgtag aagatgaaac ttttcctcct tttccacctc cagcctctcc agagagacaa 300

<210> 701
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 701
 gtggtcttca gtctgtcgtg caccgatgag aactctcctt attgctgtga agggcagaca 60
 atgcatggct gatctactct gttaccaatg gctttactag tgacacgtcc cccggtctag 120
 gatcgaaatg ttaacaccgg gagctctcca ggccacccac ccggagagac gtcgcgctgt 180
 ggctgaagt ggcgcaagct tgctttgtaa atatctgtgg tcccgatgta gtgccagaa 240
 cgtttgtgcg aggcagctct gcgcccgggt tccagccoga gcctcgccgg gtcgcccgtct 300

<210> 702
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 702
 ggcgtgccta atgggaggtc tatataagca atgctcgttt agggaaaccgc cattctgcct 60
 ggggacgtcg gagcaagctt gatttaggtg acactataga atacaagcta cttgttcttt 120
 ttgcaggatc ccatcgattc gaattcggca cgaggaagga ggacctaggc acacacatat 180
 ggtggccaca cccaggaggg tagtggggag ttagatttca gagtccaggc cctagggttg 240
 gacccactcc aaataatctc ctccgtgtgg gtggtgggtc tatagagga taaagaataa 300

<210> 703
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 703

```

ccaaggcgca gcccgattct gccccctacg attggttcgg ggactttctc tccttcctgt      60
ccctcctaga gccggagctg cggccccagg accgtatcct tgtgctaggt tgcgggaaca      120
gtgccctgag ctacgagctg ttctctggag gcttccttaa tgtgaccagt gtggactact      180
catcagtcgt ggtggctgcc atgcaggctc gctatgcca tgtgccgcag ctgcgctggg      240
agaccattga tgtgcggaag ctggacttcc ccagtgttc ttttgatgtg gtgctcgaga      300

```

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<210> 704
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 704
gagaagctga ccttggacct gacgggtgctc ctgggtgtgc tgcaggggca acagcagagc      60
gtacagcagg gggcacactc caccggctcc agccgcctgc acgacctcta ctggcaggcc      120
atgaaaaccc tgggagtcca gcgccccaaag ttggagaaga aggatgccaa ggagatcccc      180
agtgccaccc agagcccat cagtaagaag cggaagaaaa agggattctt gccagagacg      240
aagaagcgca agaaacgcaa gtcagaggat ggcacgccag cggaggatgg cacacctgca      300

```

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<210> 705
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 705
agtccacatt aaaaagaaaa caaaacaaac cctaactaac ttccaaatgg gtctcctggg      60
gcggggcggt gagtggcgt gccctgggtg tgctgcctgt ctgagcaagc ttccctagct      120
gaggaaaccc gggccccctg ctgcgggctc tgccctgggtg tcatgcctgc tgcacccccg      180
tttacctga tgtgccannn nnnnnntgg nggtttggag cnnacatgct actggtcnan      240
nnacacangt nccggggcat catgagaaag gntngntctt ggnaccttgt cctccccagt      300

```

```

<210> 706
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 706
ccgcagaggg cctggaagag gtgctcacca cgccagagac tgtgtcaca ggccacacgg      60
agaagatctg ctccctgcgc ttccaccac tggcagccaa tgtgtggcc tgcctcctct      120
atgacctcac tgttcgcatc tgggaccttc aggctggagc tgatcggctg aagctgcagg      180
gccaccaaga ccagatcttc agcctggcct ggagtcctga tgggcagcag ctggccactg      240
tctgcaagga tgggcgtgtg cgggtctaca ggccccggag tggccctgag ccctgcagg      300

```

```

<210> 707
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 707
tggaggtctc ctttcgcccc agcccagggtg gccaaagccca tcctggcctc agaacatgct      60
gagcacattt tgtaggggtg caccttttta tccaagttac tagctacaca tcagtgttta      120
aagagaaaaa agtgaccttt catttttttt tcttgaaact tgaggaaaca agatacatac      180

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tactgatttt ttttttctta aaactaaatg catgactgca gagcggtaga ggtgtatatt 240
 tttcatactg tggggcaaag tatttgtgct gctttttgga gatggactgg aacgtctggt 300

<210> 708
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 708
 aaaaacagtg cattagcaat ttcatagcaa gtgcatgcac taggaaaaga aaactctgtc 60
 tacaagttta ttagcagaag tgggtggtctg ctagacaaat aattttgcaa aatttttcta 120
 catctaagtt acctcatcag taagtgccat gtctctacca tgccatcaga ggctaatttc 180
 ctgtaaaagt tgtggaaatt gttagaacia tagaaaaata gagcagtgtg tgtgtgccaa 240
 aactcatcat tactcaaagg agaactgtgt taggcacatt taagaaagtt tacatctgac 300

<210> 709
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (285)
 <223> n = A,T,C or G

<400> 709
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagagaga gagagagaga gagagagaga gannnnnnnn nggtcttctc 180
 ntgcntgatg cctcttntca ctgcctggan ccctgntnna ngccctcgna tctcccntgc 240
 tncgngcct ttnnttngan cctgggtgtc tcctctccca ttgct 285

<210> 710
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (275)
 <223> n = A,T,C or G

<400> 710
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 60
 gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120
 gagagagaga gagagagaga gagagagaga gagagagaga gagnnnnnnnn nnnngngngcn 180
 ctcccgcgcg cnnngctnnc ncnctntnn tctctctctc tcgngcncce ccncnccecc 240
 cnncacacnn nnnagagng nnnctctctc tntnt 275

<210> 711
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (266)

<223> n = A,T,C or G

<400> 711

ataacacaga ctttcaagga ccaaggattg gaggttttaa agcaggaaac agcagttggt	60
gaaaacgtcc ccattttggg actttatcag attccagctg aggggtggagg ccggattgta	120
ctgtatgggg actccaattg cttggatgac agtcacgac tgaaggactg cttttggctt	180
ctggatgccc tnnnnnnnnn nnnntngtgt gngtgnnnn nntanctnnn nnnntttng	240
nnctnnnt gnnnttntnn nnnct	266

<210> 712

<211> 300

<212> DNA

<213> Homo sapiens

<400> 712

gtgtggaacc tgcagggcct ctagatgtgc tgggccccag tctccaagg cgagaatgga	60
ccctgatgga cttggacatg gagctgtcct tgatgcagcc cttggttcca gagcggggtg	120
agcctgagct ggcggtcaag gggttaaatt ctccaagccc aggtaatggt tgtgatgact	180
cctacctggg aggacgcct gattgggctg agctacctg attgagttag ggggcaatct	240
gcaatttgca gggaaatcct gagttcaggc tgcactgcag agcgttcctt gagccacca	300

<210> 713

<211> 300

<212> DNA

<213> Homo sapiens

<400> 713

tgtggagaag ctttcttttt ctatgggaaa tcacttctgg agttggcaag aatggagaat	60
ggtgtgttgg gaaacgcctt ggaaggtgtg catgtggaac atcattctca ccaccagtct	120
cttctctgtg ctttcttcc tgactggag tgtgtggaac tcagtgcatt gggccaatgg	180
ttcgacacag gctctgccag ccacaacct cctgtgctt ctgacggtt ggctgctggt	240
gggctttccc ctactgtca ttggaggcat ctttgggaag aacaacgcca gccccttga	300

<210> 714

<211> 291

<212> DNA

<213> Homo sapiens

<400> 714

gttttgctcg tttagggaa cgcattctg cctggggacg tcggagcaag cttgatttag	60
gtgacactat agaatacaag ctacttggtc tttttgcagg atcccatcga ttcgaattcg	120
gcacgaggtt atgtctggct gtagctgttg gtcacgtgaa gatgacagac gatgagcttg	180
tgtataacat tcacctggct gtcaacttct tgggtgcatt gctcaagaaa aactggcaga	240
atgtccgggc cttatatatc aagagcacca tgggcaagcc ccagcgcta t	291

<210> 715

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (294)

<223> n = A,T,C or G

<400> 715

tcctccangg	ccgtgggtgt	gaaaaaggtc	gaggccctcg	atgggaagct	ggtgtctgag	60
tcctctgacg	tcctgcccc	gtgcacaagt	tcggcagccc	ctcccagcct	tcccctcctg	120
cgctgcccc	gagcctggga	aggaggccgc	tttgagggt	agcactggga	acagggaacc	180
cccctgaggc	tccgccctag	cccttagccc	gcctggggag	tttacttcct	ggggaccccc	240
cttgcccatg	cctccagcta	caacaccatt	ccattgcttt	tttttttggt	ccag	294

<210> 716

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(289)

<223> n = A,T,C or G

<400> 716

ggtagttaag	ccccccaaa	acaagacgga	aagtgaaaat	acttcagata	aacccaaaag	60
aaagaaaaag	ggaggcaaaa	atggaaaaaa	tagaagaaac	agaaagaaga	aaaatccatg	120
taatgcagaa	tttcaaaatt	tctgcattca	cggagaatgc	taatatatag	agcacctgga	180
agcagtaaca	tgcaaatgtc	agcaagaata	tncgntnaan	gganctgtnn	atgctanttn	240
ananataatc	nnagctggan	agggagcttt	ttaagcttaa	nnnaatgtt		289

<210> 717

<211> 300

<212> DNA

<213> Homo sapiens

<400> 717

cgacggcaag	gtggtgctgt	cccggcagta	cggctcggag	ggccgcttca	cgttcacctc	60
ccacacgccc	ggtgaccatc	aaatctgtct	gcactccaat	tctaccagga	tggctctctt	120
cgctggtggc	aaactgcggg	tgcatctcga	catccagggt	ggggagcatg	ccaacaacta	180
ccctgagatt	gctgcaaaag	ataagctgac	ggagctacag	ctccgcgccc	gccagttgct	240
tgatcagggt	gaacagattc	agaaggagca	ggattaccaa	aggtatcgtg	aagagcgctt	300

<210> 718

<211> 300

<212> DNA

<213> Homo sapiens

<400> 718

gggggggattc	cactcctggt	ttgtgagtag	gcgacccatg	ggctgcccag	ccttaaagcc	60
agaacaaggg	tgtcccctga	cctcgttcca	ctgccctcct	cccgttccca	tctttccccc	120
ctaccttccc	cttaggcacg	tctgagaatg	gtggatgtgg	tggagaaaga	agatgtgaat	180
gaagccatca	ggctaattga	gatgtcaaag	gactctcttc	taggagacaa	ggggcagaca	240
gctagggactc	agagaccagc	agatgtgata	tttgccaccg	tccgtgaact	ggtctcaggg	300

<210> 719

<211> 300

<212> DNA

<213> Homo sapiens

<400> 719

gtcgggtctc	caacctcatt	aagcaccaca	gggttcacac	tggagagaag	ccctataagt	60
gcagtgactg	tgggaaagca	tttagtcaga	gctccagcct	tattcagcat	cggagaattc	120

acactggaga	aaagcctcac	gtgtgtaatg	tatgtggaaa	agcctttagt	tatagctcag	180
tgctccgaaa	gcaccagatc	atccacacgg	gagagaagcc	gtacagatgc	agtgtctgtg	240
ggaaggcctt	cagccacagc	tcagccctca	ttcagcacca	gggcgtgcac	acaggcgaca	300

<210> 720
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 720						
gtggctatcc	atcaacataa	gtaaaaaaaa	aaaacacttc	aactccctcc	cccatttann	60
nnnnnnntta	acatatttta	aaaatcanat	gagttntata	aataatttaa	anaagngaga	120
gtatttattt	ttggcatgtt	tggcccacca	cacanactnt	gngtgtgtat	gtgtgngttt	180
atatgtgtat	gtgngtgaca	naaaaatntg	taaanaanag	gcncatntat	ggntactgnt	240
caaatnctta	aagataantt	nattttcaca	cagtcacaa	ggggtatatc	ttgtagtttt	300

<210> 721
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 721						
gtttgtgcat	cacttgggtca	ccattgggct	tatctccttc	tcctacatca	acaatatggt	60
tcgagtggga	actctgatca	tgtgtctaca	tgatgtctca	gatttcttgc	tggaggcagc	120
caaactggcc	aattatgcca	agtatcagcg	gctctgtgac	accctttttg	tgatcttcag	180
tgetgttttt	atggttacac	gactaggaat	ctatccattc	tggattctga	acacgaccct	240
ctttgagagt	tgggagataa	tcgggcctta	tgcttcatgg	tggctcctca	atggcctgct	300

<210> 722
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 722						
acaacattca	gcatgcagac	ccgccagtgc	agatccttta	caaccgcacc	atggtgcagc	60
tgggcatctg	tgccttccgc	caaggcctga	ccaaggacgc	acacaacgcc	ctgctggaca	120
tccagtcgag	tggccgagcc	aaggagcttc	tgggccaggg	cctgctgctg	cagccccagc	180
taaggttgaa	gccaaggaag	agtcggagga	gtcggacgag	gatatgggat	ttggtctctt	240
tgactaatca	ccaaaaagca	accaacttag	ccagttttat	ttgcaaaaca	aggaaataaa	300

<210> 723
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 723						
gcaaggcgcc	gggggacacg	ttggctgcgt	tttcggcgga	ctggccgggt	acaaaaatgg	60
ctgtggctag	cgatttctac	ctgcgctact	acgtagggca	caagggcaag	tttgggcacg	120
agtttctgga	gttcgaattt	cggccggacg	gaaagcttag	atatgccaac	aacagcaatt	180
acaaaaatga	tgtgatgac	agaaaagagg	cttatgtgca	caagagtgta	atggaagaac	240
tgaagagaat	tattgatgac	agtgaatta	caaaaaga	tgatgctttg	tggcctcccc	300

<210> 724
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 724
 agaaaacaac ttggcatttc tatactttac aggaaaaaaa attctgttgt tccattttat 60
 gcagaagcat attttgctgg ttgaaagat tatgatgcat acagttttct agcaattttc 120
 tttgtttctt ttacagcat tgtctttgct gtactcttgc tgatggctgc tagattttaa 180
 tttatttggt tccctacttg ataattattg tgattctgat ttcagttttt catttgtttt 240
 gcttttgttt ttttctcat gtaacattgg tgaaggatcc aggaatatga ctcaaagggg 300

<210> 725
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 725
 thtagaggag gtgaggaaat actttaatgt gttggaaacc atgggtttga acagaagata 60
 cgcataatgga gtggggaatg gaaagaaaac tttgtgctac atttactgta aattatatct 120
 tattgattca gtaaattcag gtggaatacg gaagttcaaa tttaaagatt acctatggac 180
 tctgacctc aggtgatcca ccgcctcag cctcccagtg ggctgggatt acaggtgtga 240
 gccaccatgc ccagcctcat cattcttatt aactggttta atcctttcaa taatcctatt 300

<210> 726
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 726
 tgggcacgag ggcaaggagac ttcctgtaac aatgcatctc atatttggaat tgaccagtc 60
 ctctcccaag tccacacagg ggaggtgata gcattgcttt cgtgtaaatt atgtaatgca 120
 aaattttttt aatcttcgcc ttaatacttt tttattttgt tttattttga atgatgagcc 180
 ttcgtgcccc ccttccccc tttttgtcc cccaacttga gatgtatgaa ggcttttggt 240
 ctccctggga gtgggtggag gcagccaggg cttacctgta cactgacttg agaccagttg 300

<210> 727
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 727
 cgtccgctct cattggctct gctgggtccag aaagcagccc aggcctttaa ctccgggctg 60
 ctgtgtgtgg catgtggttc ataccgacgg ggaaaggcga cctgtggtga tgcgacgtg 120
 ctcatcactc acccagatgg ctggtccac cggggtatct tcagccgcct ccttgacagt 180
 ctccggcagg aagggttcct cacagatgac ttggtgagcc aagaggagaa tggtcagcaa 240
 cagaagtact tgggggtgtg ccggtccca gggccagggc ggcggcaccg gcgcctggac 300

<210> 728
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 728
 atagtgcgaa aacaacctgg catttctata ctttacagga aaaaaaatc tgttgttcca 60
 ttttatgcag aagcatatct tgctggtttg aaagattatg atgcatacag ttttctagca 120

atttttctttg	tttcttttta	cagcattgtc	tttgctgtac	tcttgctgat	ggctgctaga	180
ttttaattta	tttgtttccc	tacttgataa	tattagtgat	tctgatttca	gtttttcatt	240
tgttttgctt	ttgttttttt	cctcatgtaa	cattggtgaa	ggatccagga	atatgacaca	300

<210> 729

<211> 300

<212> DNA

<213> Homo sapiens

<400> 729

gtccaggctt	ccttctgatg	gccaaaccac	ctttaatgct	ggccagtcta	tctcacacaa	60
agttctaagt	tttccagggtg	tcatagtaac	tccatagtct	cccttaaatc	cctttttgaa	120
atttttcaac	atagttccta	gtgggatggg	cttactttgt	gcctgaccca	tgttttctca	180
agacaaaaca	ccatggcagg	aacagccact	tgcactctgg	cccggtgcca	cactgcggtg	240
cttggtgtgg	ttgtggagcc	tgtccctgcy	cgcttctctc	ccgttgagcc	acgctgtctg	300

<210> 730

<211> 300

<212> DNA

<213> Homo sapiens

<400> 730

gataaatacc	tcagcccttc	gccttcctca	acccacctgg	caagtcttct	taggatctga	60
tcccagtttt	ctggaagcaa	tctaccccca	gccaagctt	cccagagtgc	agccttaatc	120
cttctcactt	ctcagtgtca	gagcagaaat	gaatcctggg	gttgactgtg	tccattcggg	180
ttattagcag	ctaagaagcc	cagacgagta	gtgtgagctg	ccttgggagc	ctcagtggag	240
gcactgggac	tggcctcact	ctcttgcccc	cagcctagtg	ggctttctcc	tctgtctctc	300

<210> 731

<211> 300

<212> DNA

<213> Homo sapiens

<400> 731

gtccatacat	ggagctccct	ggagcccggtg	tgctctcggtg	tgactgaacg	ttttgtgatg	60
aaaggaggag	aggctgtctg	cctttatgag	gagccagtgt	ctgaattgct	gaggagatgt	120
gggaattgca	cacgggaaaag	ctgtgtgggtt	tctttttacc	tttcagctga	ccatgaactc	180
ctgagcccgga	ccaactacca	cttcctgtcc	tcaccgaagg	aggccgtggg	gctctgcaag	240
gcgcagatca	ctgccatcat	ctctcagcaa	ggtgacatat	ttgtttttga	cctggagacc	300

<210> 732

<211> 300

<212> DNA

<213> Homo sapiens

<400> 732

cactgggttc	caagttgctt	tgctgaataa	ggatttgaag	ccacagacat	ttagaaatgc	60
ttatgacata	ccaagacgaa	atctttttga	tcacttaaca	agaatgagat	ctaattcttt	120
gaagagcact	cgcagatttc	tgaaaggaca	ggacgaagat	caagtgcaca	gtgttcctat	180
agcacaatg	gggaactacc	aggaatacct	caagcaagta	ccttctccac	taagagaact	240
tgatcctgat	cagccacgaa	ggttgcatat	atttggcaac	ccctttaagc	tggataagaa	300

<210> 733

<211> 300

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 733
 ggcgccctgg ccccgctgct gagccacggc caggctccact tcctatggat caaacacagc 60
 aacctctact tgggtggccac cacatcgaag aatgccaatg cctccctggg gtactccttc 120
 ctgtataaga caatagaggt attctgcgaa tacttcaagg agctggagga ggagagcatc 180
 cgggacaact ttgtcatcgt ctacgagttg ctggacgagc tcatggactt tggcttccc 240
 cagaccaccg acagcaagat cctgcaggag tacatcactc agcagagcan caagctggag 300

<210> 734
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 734
 ggcgccctgg ccccgctgct gagccacggc caggctccact tcctatggat caaacacagc 60
 aacctctact tgggtggccac cacatcgaag aatgccaatg cctccctggg gtactccttc 120
 ctgtataaga caatagaggt attctgcgaa tacttcaagg agctggagga ggagagcatc 180
 cgggacaact ttgtcatcgt ctacgagttg ctggacgagc tcatggactt tggcttccc 240
 cagaccaccg acagcaagat cctgcaggag tacatcactc agcagagcaa caagctggag 300

<210> 735
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 735
 ggcacaagga ccctcctgcc aacctgtttg aagacatgga cctcaacaag gatggcgagg 60
 tccctccgga ggagtctctc accttcatca aggtcgaag gagtgagggc aaaggacgcc 120
 tcatgcctgg gcaggaccct gagaaaacca taggagacat gttccagaac caggaccgca 180
 accaggacgg caagatcaca gtcgacgagc tcaagctgaa gtcagatgag gacgatgagc 240
 ggggccacga ggagctctga ggggcaggga gcctggccag gcctgagaca cagaggccca 300

<210> 736
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 736
 ttcaagcccc cagcctacga ggatgtggtt caccgcccag gcacaccacc ccccccttat 60
 actgtggccc caggccgccc cttgactgct tccagtgaac aaacctgctg ttctcctca 120
 tccagtgcct ctgcccactt tgaaggaaca aatgtggaag gtgtttcctc ccaccagagt 180
 gccccccctc atcaggaggg tgagcccgnn nnnnnntga cccctgcctt cacaccccc 240
 tcctgcgct atgccgttta actggcgact ccggtattga gctctgcctt tgtcctgcct 300

<210> 737
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 737

agaaccatca tgggctggac attggacttc ctccgggagc ggctggtggg ctggatccaa	60
gaccaggggtg gttgggacgg cctcctctcc tactttggga cgccacgtg gcagaccgtg	120
accatctttg tggcgggagt gctcaccgcc tcactacca tctggaagaa gatgggctga	180
ggccccagc tgccttggac tgtgttttct ctccataaat tatggcattt ttctgggagg	240
gggtggggatt gggggacatg ggcatttttc ttacttttgt aattattggg ggggtgtggg	300

<210> 738

<211> 300

<212> DNA

<213> Homo sapiens

<400> 738

gaatgacatt catgccagtt cttccctgaa tggcagaagc actgaagaag taaggcccat	60
tgatgaaaac ttggggcaaa ctggaaaatc tgctgtttgc attaccaag atataaatga	120
tgatcatgtt gaatatgtta caggaattca gcatttgaca agcgattcag acagtgaagt	180
ttattgtgat tctatggaac aatttggaca agaagagtct ttagacagct ttacgtccaa	240
caatggacca tttcagtatt acttgggtgg tcattccagt caacccatgg aaaattctgg	300

<210> 739

<211> 300

<212> DNA

<213> Homo sapiens

<400> 739

cgggactggt accaccgcat cgacccacc gtgctgctgg gcgcgctgcg cggtgcggag	60
cttgacgcgc cagctggtac aggacgagaa cgtgcgcggg gtgatcacca tgaacgagga	120
gtacgagacg aggttcctgt gcaactcttc acaggagtgg aagagactag gagtgcagca	180
gctgcggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg	240
agtccaattt gctctcaagt accagtcgct gggccagtgt gtttacgtgc attgtaaggc	300

<210> 740

<211> 300

<212> DNA

<213> Homo sapiens

<400> 740

gtacgagagt ctgttgaaca acaggctgat agtttcaaag caacacgttt taaccttgaa	60
actgaatgga agaataaact atcctcgctt gcgggaactt gaccggaatg aactatttga	120
aaaagctaaa aatgaaatcc ttgatgaagt tatcagtctg agccagggtta caccaaaaca	180
ttgggaggaa atccttcaac aatctttgtg ggaagagta tcaactcatg tgattgaaaa	240
catctacctt ccagctgcgc agaccatgaa ttcaggaact tttaacacca cagtggatat	300

<210> 741

<211> 300

<212> DNA

<213> Homo sapiens

<400> 741

cagtccttca atgccgtcgt caattacacc aacagaagtg gagacgcacc cctcactgtc	60
aatgagttgg gaacagctta cgtttctgca acaactgggt ccgtagcaac agctctagga	120
ctcaatgcat tgaccaagca tgtctcacca ctgataggac gttttgttcc ctttgcgtgc	180
gtagctgctg ctaattgcat taatattcca ttaatgaggc aaaggggaact caaagttggc	240
attcccgta cggatgagaa tgggaaccgc ttgggggagt cggcgaacgc tgcgaaacaa	300

<210> 742
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 742
 ggctagcgat ttctacctgc gctactacgt agggcacaag ggcaagtttg ggcacgagtt 60
 tctggagttc gaatttcggc cggacggaaa gcttagatat gccacaaca gcaattacaa 120
 aaatgatgtg atgatcagaa aagaggctta tgtgcacaag agtghtaatgg aagaactgaa 180
 gagaattatt gatgacagtg aaattacaaa agaagatgat gctttgtggc ctccccctga 240
 taggggtggc cgacaggagc ttgaaattgt aattggagat gagcacatat cttttaccac 300

<210> 743
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 743
 ggatcctttc cagacagaag accccttcaa atctgacca tttaaaggag ctgacccctt 60
 caaaggcgac cgttccaga atgacccctt tgcagaacag cagacaactt caacagatcc 120
 atttgagggg gaccctttca aagaaagtga cccattccgt ggctctgcca ctgacgactt 180
 cttcaagaaa cagacaaaga atgacccatt tacctcgat ccattcacga aaaacccttc 240
 cttaccttcg aagctcgacc cctttgaatc cagtgatccc ttttcctcct ccagtgtctc 300

<210> 744
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 744
 agaaaatgtg ggatcaagaa aaggaccatt tgaaaaagt caatgagttg atggttatgt 60
 tcagggtccg gccaacagtt ctgatgccct tgtggaacgt gctgggggtt gcactggggg 120
 cggggaccgc cttgctcggg aaggaagggt ccatggcctg caccgtggcg gtggaagaga 180
 gcatagcaca tctactaac aaccagatca ggacgctgat ggaggaggac cctgaaaaat 240
 acgaggaact tcttcagctg ataaagaaat ttcgggatga agagcttgag caccatgaca 300

<210> 745
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 745
 attcatgccg gttcttccct gaatggcaga agcactgaag aagtaaagcc cattgatgaa 60
 aacttggggc aaactggaaa atctgctgtt tgcattcacc aagatataaa tgatgatcat 120
 gttgaagatg ttacaggaat tcagcatttg acaagcgatt cagacagtga agtttactgt 180
 gattctatgg aacaatttgg acaagaagag tctttagaca gctttacgtc caacaatgga 240
 ccatttcagt attacttggg tggtcattcc agtcaaccca tggaaaattc tggatttcgt 300

<210> 746
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)

<223> n = A,T,C or G

<400> 746

ganancncag atcncnttga aatgcctctc ttttaataaaa cgtttccttt gttcactatt	60
gcctgctagt tcatcttgta aatccttggc ttttaagctcc aacttagtcc tctgcttaat	120
ctgctcttgt ctttcagcac taagctgttc tttttcttct ttcatagtcg aaatttttgt	180
tttcaattct ctaacttggc gttcgatata ctccatttta tctcttgcac cctgctgagc	240
atctcttaat tgtctggatt tttctccact agtctctcgc ttagcagaaa gctcatcaag	300

<210> 747

<211> 300

<212> DNA

<213> Homo sapiens

<400> 747

ccgaagaaat ataacacatt ttggacctac aactcttaga tcaactcttg cctatgggat	60
gctcaggctc tgtgatcctc taccttatga tataatagtc gatccaatgt gtggaactgg	120
ggcaatacca atagaggggg ccactgaatg gtctgactgc ttccatattg ctggtgataa	180
taatccactg gctgtgaata gagcagcaaa taacattgca tctttattga ccaagagcca	240
aattaaagaa ggcaaacctt cctggggctt gcccatagat gctgttcagt gggatatctg	300

<210> 748

<211> 300

<212> DNA

<213> Homo sapiens

<400> 748

attctctcaa taatggccag ccgaaaagta cgcgctgcca ggcattctgcc tccgcggagt	60
cattaaactc ccacagtggc caccctactg ctgatgtaca gactttccag gcaaagcgcc	120
atattcatca acaccgtcag tcttactgta attataacac tggagggtcag ttagaggggca	180
atgcagccac ttcctatcag aagcagactg acaaaccag ccactgtagc cagtttgtga	240
cacctccgag gatgaggaga cagttctcag cacccaatct caaagctggc cgagaaacca	300

<210> 749

<211> 300

<212> DNA

<213> Homo sapiens

<400> 749

tttacaatca ggaacttaac gagactogtg ccaaacttga tgagctttct gctaagcgag	60
agactagtgg agaaaaatcc agacaattaa gagatgctca gcaggatgca agagataaaa	120
tggaggatat cgaacgcca gttagagaat tgaaaacaaa aatttcagct atgaaagaag	180
aaaaagaaca gcttagtgct gaaagacaag agcagattaa gcagaggact aagttggagc	240
ttaaagccaa ggattttaca gatgaactag caggcaatag tgaacaaagg aaacgtttat	300

<210> 750

<211> 300

<212> DNA

<213> Homo sapiens

<400> 750

gacagaccta acttccagca ttcccaaacc tctgcttcca gttgggaaca aacctttaat	60
ttgggtaccca ttgaacctgc ttgagcgtgt tggatttgaa gaagtcattg tggttacaac	120
cagggatgtt caaaaggctc tatgtgcaga attcaagatg aaaatgaagc cagatattgt	180
gtgtattcct gatgatgctg acatgggaac tgcagattct ttgcgctaca tatatccaaa	240
acttaagaca gatgtgctgg tgctgagctg tgatctgata acagacgttg ccttacatga	300

<210> 751
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 751
 gttgtatttg aaagcagtag tgtggacgaa ttgcgagaga agcttagtga aatcagtggg 60
 attccttttg atgatattga atttgctaag ggtagaggaa catttccctg tgatatttct 120
 gtccttgata ttcatacaaga tttagactgg aatcctaaag tttctaccct gaatgtctgg 180
 cctctttata tctgtgatga tggcgcggtc atattttata gggataaaac agaagaatta 240
 atggaattga cagatgagca aagaaatgaa ctgatgaaaa aagaaagcag tcgactccag 300

<210> 752
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 752
 aaagaactgt ctcacgcaac cattgattct aaaactggcg atttagggga catcaatgct 60
 gagcagcttc ctgggaggga acatcttaat gaacctggta ctagagaagg acagactcgt 120
 ctaatcagag atggggagaa agtcgaagcc tatcagtggg gtgttagtga agggaggtgg 180
 ataaaaattg gtgatgttgt tggctcatct ggtgctaata agcaaacaac tggaaaagtt 240
 ttatatgaag ggaaagaatt tgattatgtt ttctcaattg atgtcaatga aggtggacca 300

<210> 753
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 753
 gagagactcg tctaatacaga gatggggaga aagtcgaagc ctatcagtgg agtggttagtg 60
 aaggaggttg gataaaaatt ggtgatgttg ttggctcatc tgggtgctaata cagcaaacaat 120
 ctggaaaagt tttatatgaa gggaaagaat ttgattatgt tttctcaatt gatgtcaatg 180
 aagggtggacc atcatataaa ttgccatata ataccagtga tgacccttgg ttaactgcat 240
 acaacttctt acagaagaat gatttgaatc ctatgtttct ggatcaagta gctaaattta 300

<210> 754
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 754
 cagagatcaa acaattgtag atcccttcag ttcaaaacat aatgtgattg tgggcagaaa 60
 tggatctgga aaaagtaact ttttttatgc aattcagttt gttctcagtg atgagtttag 120
 tcatcttcgt ccagaacagc ggttggtctt attgcatgaa ggtactggtc ctcgtgttat 180
 ttctgctttt gtggagatta tttttgataa ttcagacaac cggttaccaaa tcgataaaga 240
 ggaagtttca cttcgaagag ttattggtgc caaaaaggat cagtatttct tagacaagaa 300

<210> 755
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 755
 cagcggatgg ccgaaaaatc aggccttcgtt gggcctttga aaagccaggc tgcagatcaa 60
 attacgaagc tgtataatct cttctcgaaa attgatgcta ctcaggtgga agtgaatccc 120

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tttgggtgaaa ctccagaagg acaagttgtc tgttttgatg ccaagataaa ctttcatgac 180
aacgcagaat tccgacaaaa agacatatat gctatggacg acaaatcaga gaatgagccc 240
attgaaaatg aagctgccaa atatgatcta aaatacatag gactagatgg gaacattgcc 300

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<210> 756
<211> 191
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

```

```

<400> 756
cccagctcct tgggaggctg aggcgggaga attgcttgaa cccggggacg gaggttgcag 60
tgagccgaga tcgcactgct gtaccagcc tgggccacag tgcaagactc catctcaaaa 120
aaaaaaaaann aaaaaaaaaan ccctgttaan nncannngtn taagngaata gttnangnct 180
ttaaannagg t 191

```

```

<210> 757
<211> 179
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

```

```

<400> 757
caaataagtt aaatgtatat ggcattggat tggaattgga ggtatcagt tgaactcatg 60
gttttgggtt ttttgttttt tgcctttttt gttttgtttt tgttttttga ggcaggggtg 120
cactctgttg cccaggtcgg agtgcattag ncaccatnac agntnagcac annctatgc 179

```

```

<210> 758
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

```

```

<400> 758
caacagtccc aaccagtcga attagaccca tttggtgctg ctccatttcc ttctaaacag 60
tagatacttc tgatggattc tcggcattaa ctcctgtttc ataaaagtgt gaacagtttt 120
atgaatttga aagaaaaattt ggtagctctt tatagcattc attcttaaag atcagtccta 180
ataggtgatn tntaaatnnn ccanntanaa gaatgaagcn tctctacnng gtagtaactt 240
gatncctctt nagganaana gggngctaaa tngcaagctc tnactaatgg ttctgctact 300

```

```

<210> 759
<211> 62
<212> DNA
<213> Homo sapiens

```

<400> 759

gggggtatcag ttactggatc taagcatgtc cactctacac gctttttttt tttttttttt	60
tt	62

<210> 760

<211> 300

<212> DNA

<213> Homo sapiens

<400> 760

cacaaggtca ggagttggag accagcctgg ccaacgtggt gaaaccccgt ctctactaaa	60
aatacaaaaa ttagccgggc gtggtggcac atgcctgcag tcccagctac tgagaaggct	120
gaggcaggag aatcgtttga atctgggagg tggaggctgc agtgagccaa gattgcgcca	180
ctacacttca gcctgggcaa cagagtgaga ctctgtctaa aaaaaaacac taagcatgta	240
gtttctatat aactagaagc ataggatatt ctgatctgca atccatcaat cagtgcgaat	300

<210> 761

<211> 300

<212> DNA

<213> Homo sapiens

<400> 761

tttgaatatg gactatagtt agataatagt cttaggtaat agttaaatgt cctggggtttg	60
attattgtgg ttatatgggg gaatgtcctt gtactcagaa gacatatgct gaagtacagt	120
atttagagat aaaagtgtca tgtttgcaac taactttcaa atagttcaga aaaaaaata	180
tgtatatatg tgtctgtgcc tgtatatgaa agagagaaca caaatgtggc aaaatattaa	240
caattggtgg gccaggtatg gtgggtggct catgcctgta atcccagccc tctggggaggc	300

<210> 762

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(284)

<223> n = A,T,C or G

<400> 762

cctttaaaag gcagctgcaa atgaccatt tttgtgataa aactaactca gagtacagg	60
gcaacccac tgatgtaaac agcttttgag gctttgagg tttagatgac agtcatctaa	120
aacaccagct tctcaaatac atcagcttca ggcctgggct gagcctgagg agcctcctag	180
gaagttagag atttttgagc tcaaagggtc caggagaggc ccaatagttt tcatgcttca	240
ttaaccogaa ggcttccga caatcgncca agggtnncta aaag	284

<210> 763

<211> 289

<212> DNA

<213> Homo sapiens

<400> 763

caaagatact ggatactaga aggcagtgga ggaaggctctt ccaagtgagg atgaaacatt	60
ttaaacctag gatccattaa atccgaaggc taaagaaagt caccacacat caggactaaa	120
atgttgactt ccataaaca ctattttatt ttatttttat tttattattt tattttattg	180
tatttttctt agactgagtc ttgctctgtt gccaggctca agttgcagtg agccaagatc	240
acgccactgc attccagcct gggcgacaga gcaagattcc atcttaaaa	289

<210> 764
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 764
 ccagcctggc caacatggca aaacactgtg tacactacaa atagaaaaat tggccggggca 60
 tcatggtgtg tgcccgtagt cccacctact caggaggctg aggcaggaga atcgcttgag 120
 cctggagggc ggaggttgca gtgagacgat accgtaccac tgcactccag cctggggcaac 180
 agcaagactc cgtctccaaa aaaaaaatt taaaangatt tttnttatgg nggtttcana 240
 aatggttgtg nggcaggctg gntgnantgg cacangcctg nantnccagc acttt 295

<210> 765
 <211> 297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(297)
 <223> n = A,T,C or G

<400> 765
 cagtgaatnn gtaagttcaa tctgtngcmn atngaggtaa aatatttata gnataaanct 60
 gngcagctta nccanttttg aatatgcaat tcagtggatt aagtacattn tcantgttgt 120
 anagccatcg ccacatcca tctccagaag ttgtgcatct taccaaattc tgtgccagc 180
 gaacaataac tccccacctc cccttccccct agcaacagcc accccttttg tctctatcat 240
 caacttcact actcatatth ctcagtgaag tggaaatcata cagtatttgt ccttttg 297

<210> 766
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 766
 ctctcatgga gctccagagt gacatccagc attgttagca tgcgatcaac atcatagacc 60
 atcagtgtgc aacacgagtt accaagaggg gctttcttag tggaaagaga gtgataaatt 120
 ggtaacatgg aagctacttc ctgtgttctt tttctgagaa ctagaagaag gaatacaagt 180
 tggcccatg ctaatgtgta tatacctttt ttacatacca atcactagtg tgtttagaaa 240
 ttaggaaagg tcagtaagtc tccagtatat ataaacatct atagtgtatg gaaaggtctt 300

<210> 767
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 767

cgagtttttt	tttttttttt	tttaatanat	ncggcanttt	natttcaatc	gccccaanca	60
anttancnng	nngnaancct	aaangaacca	anttnaacn	aaanagttcc	ggnaaaaaata	120
ncaaaaaancn	gaaantnta	aaaggggaagn	ccccctaaaa	ncnngaaaat	tcaccnttcn	180
ttaggggttc	ntnttcant	tngatngncn	ctngaggctn	gcaanttttn	aancaancct	240
tnaaatcnng	angnctnttn	tgaaaaanatt	tcacccccan	cnctaaaatt		290

<210> 768

<211> 300

<212> DNA

<213> Homo sapiens

<400> 768

agggacaagg	ctataaatat	cattaatacc	aggttcagga	gtttgcaactg	cactaaaaat	60
caactcagct	atttgagcac	cttttataga	gtggaaatgg	ggttgggcag	tagagaagag	120
cacttttaga	gaggcttttc	tgcatgtatc	aggggttaca	cctgttaacc	agccataatt	180
ttttttttta	gcggtgtgtc	tgaggatgag	ccccatgtag	ttggtgcagg	tggggacaca	240
ctgcctgtgt	aactagaaaa	actaggcatg	gccgggcacg	gtggctcaca	cctgtaatcc	300

<210> 769

<211> 300

<212> DNA

<213> Homo sapiens

<400> 769

ctgcaatttc	tccaaagctt	gccactttcc	agcctgtttc	cccaattcct	ctgtgctctc	60
ctagagctct	gtctgaatcc	tcgcagccac	acctaggtct	gagaactcag	gctttgagtt	120
actgatcttc	cttggtattg	gagaacaggt	gttcctcctc	ccctctccta	gcagccctaa	180
tgtctgacct	agcctatcaa	gccttaggcg	ctggaagaac	ccttctcaga	cacgcaggac	240
ccaggtaaag	tcaaagcttt	gcccttttgc	ccactgtctg	ctaccagggc	tcacccactg	300

<210> 770

<211> 300

<212> DNA

<213> Homo sapiens

<400> 770

aggggccetta	cattactttc	ttgcagcact	gatggctttt	gtttgaggct	gcacaaattc	60
ctgcatttcc	cttggttga	atggtaggga	tgcgggcagt	tggtgactgg	gtgaaccacc	120
tgacttgagc	agggctacga	ctctctctgc	aaacgaaacc	cagagacatg	aacagtgtctg	180
agatttctca	gtggtttccc	atgtaggctg	ctttccaagg	gcagcaagca	tggcttcac	240
actcaccag	tgcttctgat	tcagcactgt	gatgctcgg	taagttttta	tgaggtttta	300

<210> 771

<211> 300

<212> DNA

<213> Homo sapiens

<400> 771

caagattgag	cacacggaga	cagatactgt	ggaccccaga	agcaatggac	ggccccccac	60
tgctgctgct	gtccccaaat	ctgcgaaata	catcgctcag	gtgctgcagg	actcagaggt	120
ggacggggat	ggggatgggg	ctcctgggag	ctcaggggat	gagcccccat	catcctcatc	180
ccaagatgag	gagttgctga	tgccacccga	cgcctcacg	gacacagact	tccagtcttg	240
cgaggacagc	ctcatagaga	atgagattca	ccagtaaggg	gagggagggg	ccctggaggc	300

<210> 772

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 772
 gagtatttgc tgggtgcattg gagagtttca cgtaattctt gtgcagattc agcaagagag 60
 tttgccggca tgctttgcac agcccctggt acccagtaag gcgattatta gcattggtgc 120
 ttgctggaat cagatattcc agaattattct gtcacagctc atcgttgcc tcttcttttc 180
 tgtgggtaaa ctgaggcaga aactcaggct ggggtggaact ctgcagcctc agctggagac 240
 ctcgtctggc caaggactgt ggggacacag gccctctagg ctgccacctc atggtcccag 300

<210> 773
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 773
 cccacctcgg cttcccaaag tactgggatt acagacgtga gccaccgcac ctggcctaaa 60
 tttcaccatc gtttctattc ataacttacc tgcaaagtga ttatctgact agtactactg 120
 caacaaagat aataaagtgc ctgatgttta tatcaaatac gatatggcat gtttctgagt 180
 gtttctaaag aaaaatactg aatgaacccc tcgcctaacc tagtgctgtt ggtaacaata 240
 actgacatgc attgagcgct tactgtgtgc cagggtgctt ttogaggtag tttaccggta 300

<210> 774
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 774
 ccaggcttga agttatctct aatttagagg ttagggacag tgacacagga aagaggctct 60
 gagctttata tctggagatg tgggatcata aaaacgtctt tttaatctga tgatcattaa 120
 aacacccgga gatgaggcac agctgctaata cggaatacat ttccatttct gcggggattg 180
 agcatgtctt cggaaccctc tgcaatagct ttagaaacaa acgttccttt tatcagggtga 240
 gaaaactacc ctatggcatg cctccggata tgtagttctt cctaggctac aaaatatcag 300

<210> 775
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 775
 ttttcagcca cctccactga ctcctacctc caaagtttat actatcagac cttattttcc 60
 taaggatgag gtttagtagga gggctgcttt ccctcagcct ggattactgc tttgtcctag 120
 aagatgaaga tggcatatgt gggtatgcct tgggcactgt agatgtgacc ccctttatta 180
 aaaaatgtaa aatttcctgg atccccctca tgcaggagaa gtataccaag ccaaaggtg 240
 acaaggaaact ctctgaggct gagaaaataa tggtgagttt ccatgaagaa caggaagtac 300

<210> 776
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 776
 gttttctcct gttacatcat gctgaatcct ttcccttagc cattagcttt tattatgtgg 60
 tcttcatagg aaagccaccc tgggtgccaag cctagcttgt ggggaggggt atgtgttcca 120
 gaaactgctc tttgtgttcc cttcaatgag gaaacaacat gtgtctactt atgtggcatc 180

caactgcttg gagctccaca cttccctttc ggcactcagg ctctggtgct gttgccaatc 240
 cttgcttgge aaagactggt cgatcatgtg gggccttat ttacaagg 288

<210> 777
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 777
 tgaaactttg taatttggac cccctaattt tgtacatggt gatgatagga ataagggctt 60
 cgtttatttt cactgcatgc tctctatgga aagaggatgt gctaagcaaa caagcattgt 120
 aaacaatatt tcagaggcaa ggttttggcc tgctttaaaa aaataaaatg tttgcaagta 180
 caattaaaaa ccagtataag ggacaggggt gggatgaaaa cctgtctcta agattacgaa 240
 gcctgcgtta tttcccctaa atccccttcg aggaagattt gaatccctca tcaacaaatt 300

<210> 778
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 778
 gcctctgtcc tgaacttttt aaccgcgtgc cacaaccgga gggctctccat aggggcaggt 60
 aaacggggat tttaatcatt ttaagtgtct tagaatgata ttttgggaaa aagcactcct 120
 tttcctaagg actgcgactc ggtgaacaga aaggaggcta tgcggtgtgg ccagccaact 180
 caaggaggac gaagcagcct ttgcctctaa actgcctgga accanangcg tattnttctg 240
 anccntcnna ggnagtgtg agtactgatg cagtctgtag ggantaactn ctttcccctg 300

<210> 779
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 779
 gttaagagca ctgaagcggg ggtcagaggc ctggctttgt ctataactca ccgagtggca 60
 ctgggcttcc ctctgccttc acgtttcctc tctgacctga ggggcctggc tagatggctc 120
 ttctggcttt gacacatttc tactggggcc caggctcaag tctcgggtggc cctgggtggt 180
 cactggagac tgttcctgtg gaggccactt caaggctgcc ccggaggctg cccaacctgc 240
 ttctacagca ccctggggtc gccccttccc taacgaggag ctcccaagat gtagttttgt 300

<210> 780
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (294)
 <223> n = A,T,C or G

<400> 780
 ctagagtgcg atgttgcatg gcaatgctgc aatctgggct cactgcgacc tccacctcct 60

gaggcaggag aatggcgtga aaccaggagg aggagcttgc agtgagccga gatcgtgccca	120
ctgcactcca gcctgggtga cagagcgaga ctccgtctca aaaaaaaaaa atntaattat	180
caaatgcntc ccattnggat agtcctacnt tatngacat taacctatat tcctgggtcc	240
ttttaattcc caactactgc tnttanaggt cttanccttt tatgttaatt tttta	294

<210> 781

<211> 300

<212> DNA

<213> Homo sapiens

<400> 781

agtttaaaaa tacttctttg taaaagtatt tgcacaaaga aaagacatga atgtgtccct	60
gttatgtact cacaaggata atgatgggtg tgttgctcat taatactgtt tcttgtgcaa	120
taacttttac aaagaagtat ttttaactg atcattaatt ttatgaccac agaaatgaga	180
tgcaaaatatt atgctattgt cagtggcaca ggctcacagc accactgaca ttttgtgtga	240
ttgtaataga atggctgcca actaatgatt ctgtagacat ttcatttgag tgtgcttttc	300

<210> 782

<211> 300

<212> DNA

<213> Homo sapiens

<400> 782

atggggctgg ccaggcctca cccctgatat ccctgagcat ctgttcctta caatattgtg	60
gagtcctggg gggcagaagc taccatcctg tgcctgccct cactctcagt gtgactgggc	120
ttcaggatgt ttagggtggc ccacatgcgg atgtacagct ttcccctgct tgttttcccc	180
atggcatatt aacagcgaga tctgcaagaa tacatcattt tgtacagaac aggatgtatt	240
tcttttaaac tacgttcctg tgtggacaag tggatcata tgcaaagggt taaggaccgt	300

<210> 783

<211> 300

<212> DNA

<213> Homo sapiens

<400> 783

gctgtgttgc ccagactggt cttcacctcc tgggctcaag tgatcctcct ccctcagcct	60
ccccaaagtgc tgggattata gatgtgagcc cctgcaccag acaattatat ttatttttaa	120
aaacgccccct catgaagtct gggtaattct ctccagattt ctcccttatca acaaatttat	180
aagagtttag aaaaaaatga tgtaaataaa gcacttaaat tgcgacagtg gttctattct	240
taacatcata atgcttatga ctaaggagca ttcttttttt tataaattaa atgtattctg	300

<210> 784

<211> 300

<212> DNA

<213> Homo sapiens

<400> 784

cccagggtgtc tatccacttg ctagaaacca tcatgagagt tagataccag ttttctgctg	60
gaaatacaga acatttcctg aaaccgtgtg gttgagggtga aacaggcatt ttgcagtctt	120
atatttttag taaggccaaa cctgcctagt gttataaaac tagacaaaaa acccagggtac	180
ccggtcttgc aggatagaaa tgtgtgacta aaatgaagca tcgatctgag aagactacaa	240
attagcggga acctttggac aggagcatgc tatacattac ttagattaat gttgatattt	300

<210> 785

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 785

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atgaagctgg ataatttatg aagaaaagag gtttatttgg ctcacagttc tataggctat	120
acgagatgca tcatgccacc attttcctgg agcccttcag gaagcttcca ctcatggcag	180
aaggtgaagg gcagccagca tgttcagtga tcacgtggtg agagggaagg caagagagag	240
aagagggagg ggtcaggctc tatttaacaa ccagcttttg tnccgtnnca tgaggtgaga	300

<210> 786

<211> 300

<212> DNA

<213> Homo sapiens

<400> 786

cctatctgtc tactggttgg tcttttacac tacagggtgca cagcaggaga agatggggtt	60
acctcgtgag tgctgaatag cagcaggaaa taaacagggg aaggaagttt ggggtgaatag	120
ccaaaaggag tgtatttttc cagtatact ctcatacac cttttctaac cttcacagca	180
tagatgtgga cataggattg gtgcctccat attgagagtt gaagcatctg tggcaaaata	240
ctgtgtcatg cttgggtgcta ccacttgaaa cagtgtctgga acttagattg ccctcgtgct	300

<210> 787

<211> 300

<212> DNA

<213> Homo sapiens

<400> 787

gggttcttta acctgtgctt cctctgtcct acttcccatc ctgcacagtt catagagtca	60
ctttctgact atcctataga cacagtaatt ggacctgtgt ttttttctaa tctttatatg	120
acagcacatt tcctaattca gggaccatcc cctatcccaa attccatcct gtgagatgtg	180
aaacctgtga gttcatgtga atgagtgggt gaagggttg acgccatgta gtctcttagg	240
aaggcttcag ggtgctctta tgttgttgct ttgccattat caaatggcat tgattgatcc	300

<210> 788

<211> 300

<212> DNA

<213> Homo sapiens

<400> 788

gccaaagctca gtttttcgcc ttgaatatga agatgctaga aagagctctg catttaagca	60
gagccttggt caattcccg accaaatgct gaaactgcaa gaggccctt taaaagacct	120
tcttaggcag gtgacttggt ctctaccaga acctttgggc aacatgaagg aagtcaaagg	180
catttactgg cttgctgttg ctgcctgcac agcacctgac cctcaaccag cgtgtttgct	240
cctgcttcag tcaactttat atgctttggt cctgtcagat aatctcggct caatgagcat	300

<210> 789

<211> 300

<212> DNA

<213> Homo sapiens

<400> 789

agtcattaca agttaggatc ctgggtaaat ggcaacctcc acctcccagg ttcaagcagt	60
tctcctgcct cagtcccca catagctggg actacagggg cacaccagct aatttttgta	120
ttttcagtag agttgggggt ttaccatggt gaccaagctg gtctcaaact cctggcctca	180
agtgatccgc ccaccttgac ctctcaaagt gctgggatta caggcatgag ccatcacgcc	240
cggccagctg ttgggttctta atgacacagc ttaactttat tgtgaaaaga ttgcagcaac	300

<210> 790

<211> 300

<212> DNA

<213> Homo sapiens

<400> 790

ctcattttat ttgcatata ttaaattgag taggttcagc tctaacatac cttaggaaaa	60
atgcatatcg gtgcactgta tgtatttcaa aatgccttcc ctatgattgt catgtcctcc	120
tttaaggctt tccctcaaa ttattacaa atttagtatt ttagtactt gatgactcta	180
attacatgaa tgcacctgga atgacatttg taacagaaga cagtctgact tgctttcagt	240
attcacaagt tctttccagt ttccaagtct tttcctagca gtaatttagg ggagacagag	300

<210> 791

<211> 300

<212> DNA

<213> Homo sapiens

<400> 791

atgcctgccca gctgagaggc agttggaaga ccaacaagct gagcaggcat ttcagcagat	60
tcagcagtca gagtgacca agaagggtgc tttagtgttg agtttcaaaa ggccatactg	120
taatagtga ccagaaatca agcagccctc agaaagactg aaacgcatct acggatcatc	180
tcaatctgat tgcataaagg tggttcaaga ttattagtgt ctttttactc gcctctccaa	240
tttttcatat ataatgtcca gcaccacatc aaaaataacc cagcatagat ggagataaga	300

<210> 792

<211> 300

<212> DNA

<213> Homo sapiens

<400> 792

attttcatcc cgaggcattg tctaattgat tcccactgag aaggataaag atgtagtttt	60
ctttgactct gccacctccc actactcagc tctactcatac ttcttgccat ctttcatctt	120
cccaataagt atatcatttt cattacatta gtatcagact ttacattatt atgaccatgt	180
aaatgctatt tctaactgag ccatgtagta tactctgatt acttttcctt tcttgacaaa	240
ctttttcttt tctatggatt gctacttatt ttttattggt tatttgctaa gctttctgga	300

<210> 793

<211> 300

<212> DNA

<213> Homo sapiens

<400> 793

ctcatgagga catcagttct attgggtcag ggtcccaccc ttatgacttc atttaacctt	60
aattacctct ttaaaggacc tatctccaaa tagtcacatt gtgggttagg gcttcaacat	120
atgaataatg gagggatata gttcgggtcca taacatacac taactgtctt tgtatactaa	180
tcctcatttt gacagattgt catttaagaa aaaattatcc ttaagtagaa tcattgactt	240
ggaccaat ggaagcattg ttgtcacctc tcttttggtg cttccttttt acctttggat	300

<210> 794

<211> 300

<212> DNA

<213> Homo sapiens

<400> 794

caaagatggg	cgtattacta	aaggtgaata	accagcgagg	ggggcacgtg	gagtcactgg	60
aacattttgtg	caatgctggg	gggaatgtca	acccgtgcgg	ccctctggaa	taagcctggc	120
agctcctcca	agagttaccg	tgtgacccag	caattccact	cctagctcca	cccacaggaa	180
ttgaaagcaa	agacgcaaac	agatgcctgt	gcaccaaagt	tcacggcagc	atccttcgcc	240
atagtggcag	catcgcgtgt	cacagcggca	tcacccctca	tcatagcggc	agcatccgtc	300

<210> 795

<211> 300

<212> DNA

<213> Homo sapiens

<400> 795

ctgccatgac	tgtcatcttc	ttcatcggtt	gtcagtttat	ggaccccttg	aattctatcc	60
aaggacaccc	aagaggaccc	caagtttgga	gcctctagag	ccctgttggt	ggctctgcca	120
ctggggagtg	ttagcgttgc	tagctctgct	gaggttgaaa	tgaacgtgga	aaaaataaac	180
tgatacacat	atatgtcttt	gtaagttctg	ttcaccacat	ctgctttgac	ctacaacact	240
gctgtgttta	tatcaggttg	tttataaaac	cttggaact	tcgctttcca	ctccatttgc	300

<210> 796

<211> 300

<212> DNA

<213> Homo sapiens

<400> 796

aggaagcatt	cacatatcct	agaatagatg	acttggctat	caaccccttg	cgggctgtag	60
ctccccattt	gtttagtctt	gtatgtgcta	tacccaacct	agagcagggc	gccatgcctg	120
gctaattttt	tttttttact	ttttacagag	atggggcttc	actatgttgc	ccaggctggt	180
cttgaactcc	tggcttcaag	tgatactcct	gcctgagcct	cccaaagtgc	tgggattata	240
gacatgagca	attgtacttg	gctcaaattt	ttgttttaat	tgggcttttt	gtcagaagaa	300

<210> 797

<211> 300

<212> DNA

<213> Homo sapiens

<400> 797

ctgcaaaatg	gactgtgatt	caggacctcc	tccttaccta	cgagcaccct	gggagggact	60
gactaatggc	ccaggagcac	acagtcattc	tctgcaggca	acagtcaggc	ttctacttgc	120
tgaagccgtc	aagggcttga	ctgtcacact	cagtgttctg	gaaaacaaat	cagtaaagca	180
atthagagga	tcttttgcaa	atcagagaaa	aagaatcaat	acaaggcgaa	agaattctga	240
tcagcacttt	aaaacgtgct	tatcagaaac	ttttcttctc	tcttttaagc	tttggttcta	300

<210> 798

<211> 300

<212> DNA

<213> Homo sapiens

<400> 798

gagccacctg	aatatttgcc	acttagcatg	tctgatattc	atccttgttt	cttgtcacaa	60
gtatcatcca	cattacagac	ccggttgtag	aaaactgaaa	ttctgactgt	aacgccatca	120
tgggatagtt	ctgacctgct	tgttagttga	tatgtgaaag	cctgaatttt	gcttcaaaaa	180
agccattcag	gattaacagt	gtattgtgta	ataaagtgga	ctttgtgtga	aagttggaga	240

tcccttgtag ataattcaga actactggaa gtttcacagt acacttgtaa atgatgaaag 300

<210> 799
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 799
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 ctgccatgta tatccgaggc tttgggccta ggggccttat cagtgtgaaa ttagtcccca 120
 gtgcaaagca gccagtctcc caagagacct tggcagagct gggagtctctg tgtgctttgc 180
 cttttgaaga ctcatcagc tctgccatgt ctccctctaca ctgttttgta caaccttact 240
 gcacacttaa cactcgcag gggatgcagc agtgcctcgg cataaggatt ggaggactgt 300

<210> 800
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 800
 ctggatgaag actaagcatt taaatactaa gttgagggca tagtagctgg catgtgccta 60
 taatcccagt gttttgggag gcctaggcgg gaggatgcct tgagcccagg agattgaagc 120
 tgcagtgaat tatgagccaa tgcactccag cctgggtgag agtgagaccc tatctcaaaa 180
 cagcaacaac aacaagatac aaattgagaa actgttactt gatttgcgat atgtattctg 240
 tccagcagtg atagaataac aaggactggg ttaccttgc tattttaagc aacaatatat 300

<210> 801
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 801
 acctcttctt cattgttaaa atggaaataa taatactacc tagctcgtgg gattgttgtg 60
 agacaacaac aaatgagaca acagagatct gaaactctgc ctggccctg gtatatacca 120
 agtccacagt taaattagcc tttgttacta aatcattgtt tgggtagaaa tctcagatt 180
 ttggatttct caagtgtcc ttttctactg tccaaaaggc agaatgttat ttttgctcga 240
 ttccattatg taatatccta tgaatttgaa atttcggagg aggcacagca tggggctgtg 300

<210> 802
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 802
 gtgtggaaac aactttgcat ttgtaaacag tttcccctgc gtgcgaagag cctagaaact 60
 actctctctc ttgagatctg atgtccccag tcccctcatt gttgaatgtg aatagaatag 120
 gaaccaccgt tttgcaactg tcatggctat gttgagttat gtgggggaga agggcatatg 180
 gtagtaaaact gaattctcct gtctgcctac agctgcattt ctcaattgtt tctcttctct 240
 ttagtgctgt gtacatacct ctgtcagcac taataacgtg taattatttt atctatttac 300

<210> 803
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 803

gctgtcgggc	ctcagcagag	ctgcctaccc	acctgagctc	cgattcatgt	actacgtcga	60
tggcaggggc	cctgatgggtg	gctttcgtca	agtcaaagaa	gctgtcatgc	gttatctgca	120
gacactcagt	tgacacttgt	tatatcatgg	gaccccgga	attggagtga	agctagaaac	180
agaaaaccca	tgcagggcct	cggattccca	caaagtgtgac	aagagggtata	gggagtgagt	240
cgcagcgctt	tgctcgtgac	cctgggatca	gagcaccat	caggcttcca	ttactgtggg	300

<210> 804

<211> 300

<212> DNA

<213> Homo sapiens

<400> 804

cagagaggca	gggataccag	atatggggaa	atctgtaatt	acatgcaggc	attaaatatt	60
taaataatata	ttttcttctt	ttaattgtgg	taaaacacat	ataacataaa	atttatctgc	120
ttaaccatttt	ttaagtgtac	tgttttgtag	tgctgagtgt	attacattat	tatacaacca	180
atttccagca	ccttttcatc	ttgcaaaact	aaaactcttt	acctattaaa	caactactcc	240
ctgtttctcc	ctctcccag	tccatgagaa	gcaccatttt	actatctttt	ctgtgagttt	300

<210> 805

<211> 290

<212> DNA

<213> Homo sapiens

<400> 805

atgaggatg	aagccattta	atacgaagaa	gagctaaaag	aatgagaacg	tgattgcatg	60
aaatgttttag	ccagaaatct	tgggatatag	gagaagaggg	ggagacttga	ttgattaggt	120
tgtaaataatt	tgtcctatgg	accacggtaa	cgtggattag	cattcagagt	agtaaccagt	180
agtgggagtt	ggagtcatag	agtattgggt	ctctttatcc	caggagattt	ccaatggggg	240
cagtttctac	tgacctttta	gagagaccat	gctatgctgt	cttttttttt		290

<210> 806

<211> 300

<212> DNA

<213> Homo sapiens

<400> 806

ctctagcatg	tgccataaat	tacagtgacc	tttaaaatct	cgcttgggtca	ctgctgaatg	60
ggtgagaata	ggcttggttc	cagtttttaa	ggtcacactg	tcctaatttg	caatgcatca	120
cacatgtac	taagttggta	acaaccgctt	agaggaaagc	tttcgttatg	caagggagaa	180
catcaaaaag	ggcacttatc	ccaaatgaat	gcagcaattt	aaaccaaaga	tgtttacgca	240
gggcaagaac	aaagtaaggc	aggagtttgg	ggtcaactag	gctgatgtct	ttgaacaccc	300

<210> 807

<211> 300

<212> DNA

<213> Homo sapiens

<400> 807

atcgagacca	tcctggctaa	cacggtgaaa	ccccatctct	actaaaaata	caaaaaatta	60
gctgggcata	gtggcagggtg	cctgtagtcc	cagctactcg	ggaggctgag	gcaggagaat	120
ggcgtgaacc	cgggaggcgg	agcttgacgt	gagctgaaat	tgcaacactg	cactccagcc	180
tgggcgacag	agtgagactc	cgtctcaaaa	taaaaaaata	aaatgggaat	atcaataggg	240
cctatttagt	aggggtggaag	tatagctcta	atgagatggg	ccatactggg	ccccagcac	300

<210> 808

<211> 300

<212> DNA

<213> Homo sapiens

<400> 808

aaatattttc attggttata caactgctgt gtcttttctg agaaactcag ccccaatgtg	60
taacaccctg gattccacgg ggcagcaaat tccacacact gcacccatgt tgtgagcgga	120
gattttcggg ctgacaaaaa cttgaggcga actgagtctc catcttaaca ctcaaacaca	180
cttcattggcg gcctggaaac aaggcaatca ttatgaagct tcagcccagt tcttctgaaa	240
ccaacgtatt gggcctgctt cattgtctct ctaggggcta atcacaaaca tgtgggaagg	300

<210> 809

<211> 300

<212> DNA

<213> Homo sapiens

<400> 809

gtggtggctc acgcctgtaa tcccaaagtg catggattac aggtgtgagt gagccaccgc	60
ggcggcctc tatcattttc tgactcagca gctccaccaa aattgacatc ctacaaaca	120
ctgtgaaggga attaacctaa gtgcttcagc agcatctcat gtaacctcta tggagtaagt	180
cactttttct gtaacatgtg gcttttgacc ttgatgaaga ctttgacttc tcatccctgt	240
ctacatggag gaagatgatt cagtgggtgg gaaaatgaac ctcggttaaca tttccaatgt	300

<210> 810

<211> 300

<212> DNA

<213> Homo sapiens

<400> 810

ttatgacctt tctttgttaa ttttctcct tttccaggcc tgattcctct ttttggatag	60
aggaatattt ttgaattctg gttttgaaat atgaggggag gccaaagtctc ttaggaaagt	120
tttacataaa catctactta gcatagccga atagttcctg actacaccag aaaagaagt	180
tgagcttcca gtctttttta ttgtagacag gaaggtaggc aggagagcaa taggaaggct	240
cgacaggaaa gcagtttcct agtcggtagc aaagggaagg tttaggtcca gtttgtgcag	300

<210> 811

<211> 300

<212> DNA

<213> Homo sapiens

<400> 811

cagctatagc actaggcagc cttgcatcct ggggtgtgaa agtgcaggcc attatcctcc	60
cctctgacct ccaagatggt aggtggcctt tctgtgcctc agttttatca tctgtaaatt	120
gggtatgatt gtactagtgc ctagtacata aggagtgtc caaagattac atgagtgtct	180
ttaaagtcct tacaacagta tctcacacat agtaagcatg gcatgtggta gttactatca	240
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<210> 812

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 812

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gttggggaaa	gtgacaggca	tagctgactc	ggggtcattc	actaagccag	gagcccagga	120
agacacacag	atgcaagcag	agatcgtgcc	attacactcc	agcctgggct	acagagtggag	180
actctgtgtc	aaaaaaaaaa	nnaannaaan	gggccttgng	tgggtaccagg	tanaaaattg	240
aatntcngtt	gncatnagnn	acctgtntctg	tatgatcnct	tcccattccc	cagntgacgg	300

<210> 813

<211> 300

<212> DNA

<213> Homo sapiens

<400> 813

ccctccttgc	ccagagcagg	cattgctcat	ccactaggca	cttcttctctg	ccaaggcacc	60
tcttcctgcc	aagtcagtgt	ctcacgatcc	ctttcaacac	agccacgagg	aagccatgat	120
acatcaactg	gcactggcaa	ataaaatcaa	acctatttgc	ctatccagtc	ttatcccact	180
ttgttggttt	ctctaagtag	ttggaaaaca	acatgtccag	agaaaaatac	cagaacttat	240
tctgagtatg	ttcttcagag	caaaccttta	gaatcttaat	gatgtttaga	cactcaggaa	300

<210> 814

<211> 162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (162)

<223> n = A,T,C or G

<400> 814

ctcggagcca	ccccggaaga	ccatgcgcag	aggggtgctg	atgaccctgc	tgacgcagtc	60
ggtacatgac	cctgccccctg	tggatcgcta	agcctgggtga	ctagctanna	cctatntggg	120
gctcntcttt	gtttnnngana	ctacatagga	cgatcgtgga	ta		162

<210> 815

<211> 300

<212> DNA

<213> Homo sapiens

<400> 815

ggcaacaaga	ccaaaactct	gtctcaaaca	aacaaacaaa	caaacaaaaa	acaatcacat	60
tcaaagctta	gccaggagaa	aaggcgctag	gagatacccc	actgggatcc	ttgaagaatc	120
ataacctaata	aatagatgtg	aacctgaagt	agacaagcga	tacaaaatct	cagtgcagctc	180
agtctgggat	tggtttagct	tgatcactcc	cattcagctg	cctaccagag	gactgggcga	240
acgatcactg	aagaaagatg	ggagtctcta	cctttctcat	aagttgtttc	aatgaaaaat	300

<210> 816

<211> 300

<212> DNA

<213> Homo sapiens

<400> 816

ttgacggcgc	gggctctgga	ctcgtgctt	ggtaaaaacc	ttcctcttcc	tccagtgcgg	60
gacgcactct	ctggtatctc	ttttgacctc	ccggaggctt	tcctttgtcg	gtcgcggcgc	120
cactgtacta	tggcatacct	cgttttatta	cgcttcgcag	atagggcatt	ctgaaaacaa	180
atggagggtt	tgtggcagcc	ctgagtccag	caattgtatc	agcgccattt	ttccaacagc	240

atgtgctcac ttggtgtctc tgtgttacat tttggttaatt ctcaaaatat ttaaaacttt 300

<210> 817

<211> 300

<212> DNA

<213> Homo sapiens

<400> 817

cagagcttag	acatccaaaa	ctaatcaatg	ctgaggtggc	taaataccta	gcctttttaca	60
tgtaaacctg	tctgcaaaat	tagctttttt	aaaaaaaaaa	aaaattgggg	gggttaattt	120
atcattcaaa	aatcttgcac	tttcaaaaat	tcagtgcacg	cgccaggcga	tttgtgtcta	180
aggatacgat	tttgaacct	atgggcagtg	tacaaaatat	gaaacaactg	tttccacact	240
tgcacctgat	caaaagcagt	gcttctccat	ttgttttgca	aaaaaatgtt	tttcatttcc	300

<210> 818

<211> 300

<212> DNA

<213> Homo sapiens

<400> 818

gagacctcta	acctcccgca	gttgagcaaa	tacactctga	gagacattag	ggactgtggc	60
aaaaagcagg	caatccatgt	gtgtcactta	agccttgagc	acagttcagt	aggcaacaaa	120
ccaggaaactg	tcctggcaga	taagacagac	tgtgcaagg	catcgtcac	ggcatgggaa	180
gggcattaat	taccaaagt	gagacacagt	cactgtctcc	aagagcattt	ggaatcactt	240
cacagagttc	tcaaggagg	gaaggctatc	tgtcagctcc	tggcgggact	gctgccccat	300

<210> 819

<211> 300

<212> DNA

<213> Homo sapiens

<400> 819

agtgtgatct	gcaggagag	aaccaattac	agtatgcttg	gagaggggtga	catttattct	60
gctgaacctc	ttctctgctt	cacataacgt	tggccacttc	acctttcctg	agatgtctct	120
gaggatgggc	atattttaaa	gacttgagct	tacatcatcg	catcttgaaa	gaaccgagta	180
taattgagtt	gctgatacaa	gtgggtactt	gcaccaggtc	cgggtcaccc	acatctctat	240
ggaaacacat	gtttgcttta	aagcccagca	atcagaagca	gatccttata	ggagccagca	300

<210> 820

<211> 300

<212> DNA

<213> Homo sapiens

<400> 820

attaaagttg	aagcctttct	aatttttgaa	ggttgagcac	tttggttatt	catggtttta	60
tatgacgac	atcttttata	catcgctgca	gttttctatt	ttgacttgaa	ttggaggcag	120
agctccacca	ccccagtgtg	tcgtctgatt	tcccagacta	gagtcacgac	tttctgtgac	180
ttgcctggct	tcctccatg	ttgcttccta	ccccaccatc	tatacccttc	acatccaaaa	240
tcctaaacct	cacactcata	cgagaatccc	tgtaggggtc	ggtttatatt	tacacactaa	300

<210> 821

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(272)
 <223> n = A,T,C or G

<400> 821
 cctcattatc caccacgcac agatggtaca gctggggctg aacaaccaca tgtggaacca 60
 gagaggggtcc caggcgcccg aggacaagac gcatgaatgc agaatgaccg cgtgtncctg 120
 nctgatcacc tggggatnac ccctgnaccc ntgtnttgnt caggacntct tatagntnct 180
 nnngttntct ttttntnant gttgtntga tnnntnttn nttntntggn gcttnaaggt 240
 ntnatgtntn tngtggtnat tttanntgat tt 272

<210> 822
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 822
 cagatacagc ctagtgtccc tcagttacac aatagtgtgt cccccagtgg taggacagtc 60
 tactactgag tcctcctggc atgagtcgag ctgagattag gatagggtaa tgaccttca 120
 gttttgggga agggaccaga gctcggccag tgagaagctt ccagctccgt ctggccatat 180
 ccaggctgct gagggtcctg ggctctgtcc ttaaacctca tcaactgacat gacccagcaa 240
 acctcctcaa gaggaaaaag tccccttggg tcaaacacag cttgtgcagt tctcggggac 300

<210> 823
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 823
 ctttgccatt gtggctgtgc gagctcagcc tcctggaaac cggccctgag cttgggtaac 60
 agcattcact ccaggtttag ccagctcca gggtatcgca ggcaggactc ccgagaacag 120
 gttcatgttt gctttttggg aggtgctgcg cttaaagtga aaaccaccct gggccgagtg 180
 ggacctcccc agctgggcgg ctgttaacca gccaggatgt ctgaccctga gaagtcaccg 240
 tgcactcttg ggactcattc ttctcatcag caggatgggg tgatggagcg ggccttactg 300

<210> 824
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 824
 ggcagagaat cccttgtaga aagggtggggg agaatcatag gatattataa ctgtaaggaa 60
 catgcaagat tttccagatt atacccttga tagaatagat aagttcctta aggctcagat 120
 cttgcttaaa gtcgtccagc ctgttagaga caagtagaac acgaagctgg cctctggagt 180
 ctttattgag tactttgtac aattggtgta gactgggaga gccctcctca cttccccttt 240
 cttgtgctgt aatttcctgt ggggcagaac acctcagagg tttctgtgca tcaaaataag 300

<210> 825
 <211> 269
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(269)
 <223> n = A,T,C or G

<400> 825

gaacaagctc agcctcatca acttcaggtg agtggttggc tagaggtaga ctaggccttg	60
agggtcacagc ctgctctcca cacagtgagc tccagactcg agattttctc tcattccatt	120
ttggttctca gggaaagagt gaggcaggca gcactcccct gactcacact ggcttctgca	180
tagggtgctc tggggaagct tggccttatg ccataaggca tctgggcagg gccactgnag	240
ctgnctgatg tagcctgcct atttagnat	269

<210> 826

<211> 300

<212> DNA

<213> Homo sapiens

<400> 826

cacagaccca gaacctgcta tgcggaacaa ggctgatcag caacttgtgg aaatagacaa	60
aaaatatgct ggattcattc atatgaaagc agtggctggg atgaagatgt cttaccaggt	120
acaacaggca atcaacacat gcctaaaaga tcctgtaagg ggtttcagac aagacgagtc	180
ctctagcgct ttgtgttcac acctttactc catgatccgt ggaaaccgcc aacacagacg	240
agcctttctt atttctttac tcaacctctt tgatgacaca gcaaaaacag acgtgactat	300

<210> 827

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (179)

<223> n = A,T,C or G

<400> 827

gagctgctca gagctgcctt gaaggacggc cactcaggcg tgcccctgtg ctgtgccacc	60
ctgcagtggc tccttgctga gaatgctgct gtggacgtcg tgagggcccg agcactatct	120
tccatccagg gagtggnecc tgatggcgcc aacgttcacc tcatngtncg anaggatgg	179

<210> 828

<211> 300

<212> DNA

<213> Homo sapiens

<400> 828

gcttgaagtc tccttggaat ctttccttgt ggtgcacatg ttcttttgat tttattccac	60
ctttgattgt cccatagcaa aacaaagaac ccacttaatg gaagaacttg acattctccc	120
atgtttgttt caaagccaca taggcattgt tctacgagat gctgctttga taatgagttg	180
gttatactcc tgcatactac tcaattgcat aaacattctc taattcctaa tggaaaggct	240
gaagaacctt aagcctactc acttggaact gctgttgatg agtgccctggg atgctgagtt	300

<210> 829

<211> 300

<212> DNA

<213> Homo sapiens

<400> 829

ggtaagtaac ctgtgcagag cacagaacta ggattcagac ctacagaccc acaagtcagc	60
ctctaaggcc cacttataac tgctcttctg cttgcaaggc cctatggatg aaatccagtt	120
ataacctcct tttgctataa ctagacacag agggaggcgt ttctccctaa tctgtattta	180
tccagacaag ctgtccagca agatttctga gtgaggggct ttaaggaagc aatctgctgg	240

tgtgtagcct tttctccctc agcaaatata gaaggagctt atagccccggg ctcaccctgc 300

<210> 830
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (296)
 <223> n = A,T,C or G

<400> 830
 ctgggtcanng gnggctgnnc cctncccnng ccnaccggcc ngccncatgg gtttgccttn 60
 cccgggcncn ccnngggntn cngggntggg ngctnnaccn tccccccctc agggntatnt 120
 ttncctntnc ccttnccctnc ccgncnanan ntttnccnng ggngggcnaa aaaaaaagtn 180
 aaaagaaaag aaaaaaaaaa aagaaacaaa ccacctctac atattatgga aagaaaatat 240
 ttttgcgat tcttattctt ttataattat gcgggaagaa gtagacacat taaacg 296

<210> 831
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 831
 gtgggctctc ccttaaagac acatggccac agacacctcc ttcggatatg taatatgcct 60
 tcccctgogg ccttccgtgg tcacagcaac agggactgct caccctctcc agctggggct 120
 tttctaaca gcacagtcag aaatgcgcag gcctgggggtt ggggatgaac agaagttgat 180
 tagtgggcac agaaatacag ttagatagaa ggaatagttc cagcattcga tattacagta 240
 gggagactgc atttaacaat aattgattgt atatttgaaa acagctagaa gaataagaat 300

<210> 832
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 832
 ggcacttgag aagtctaaga gaagctctaa gacgtttaag gaaatgctgc aggacagggg 60
 atcccaaat caaagtccta cagttccgtc aagaaggaga atgtattctt ttgatgatgt 120
 gctggaggaa ggaaagcgac cccctacaat gactgtgtca gaagcaagtt accagagtga 180
 gagagtagaa gagaagggag caacttatcc ttcagaaatt cccaaagaag attctaccac 240
 ttttgcaaaa agagaggacc gtgtaacaac tgaaattcag cttccttctc aaagtcctgt 300

<210> 833
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 833
 ctctcaaata gaaatgggag ataagaaata tatctgtgca atattaaatt gaaaaaaaaa 60
 acccataaaa agtgtcaaag gcaataaatt tgctctagat cacaaaacta gttagcacia 120
 ggctaggatt ataaccaggg tctaggaaaa aatcctgaag gtgatttaac tgagtgttag 180
 gccctgtcaa gccacctgct aaggctcatg gtctttcaga ctagcttcaa cattccaaat 240
 caggcaatag ctacaacgga aagataattg gacggggaat cctgagatca gagtccatgt 300

<210> 834

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 834
 cagacaagaa tcttccttgc cgtccttttag tatgtgcagt actggacctg atggtagagt 60
 ttattgtaac acacatgatg aaggagtttc ctatggatct ctatatacgc tgcattccagg 120
 tagtacacaa actgctctgc taccagaaga agtgtcgggt acgcctgcat tacacctggc 180
 gggagctctg gtcagccttg ataaatttgc tgaagttcct tatgtcaa at gagactgtac 240
 ttttgccaa acacaacatt ttacattag cccttatgat tgtgaacctt ttaatatgt 300

<210> 835
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 835
 agaccattta actctacccc acactttcag tgggtgggatg tgaggaagaa agcccatgcc 60
 aagctaactg aaagcttatt tggctccaat tcggctgatg ttccctcact gcagaatgtc 120
 ctggaaacca agggtttgca gctcctaaac ctattgcatt aggcacaccc aagaagaaat 180
 cctgttcgat gcacatgtc cagtttcaat cagcaacaag gtcaaaagtt tccccccact 240
 ttctgttcca cagtgcgttc cccttgcagc cagacattag gcacagattc atccctattg 300

<210> 836
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 836
 ctcaccaatt agcactgcc cgcaggtct gtgaattgca tgtgaaaata gaatttgtcc 60
 agaagtgtc atgcaaattg tgcaacacaa atgtggcctc catgtcaagt cctttcacgt 120
 gttctgacag actcatgtct ttccagattt ctctgatcgg cgccccccac ccccttgaca 180
 gttaccagag ctcataagcc aaaggaaata gttcctgttg ccatgagtac tgtgtctgtg 240
 gtgaggttta tgagctgtc ttagggctgg gtttttgcct gagaaaacaa tcagatttcg 300

<210> 837
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 837
 ccaacctgct gtccctcaag ccccgcttct accagcctgt ggagttcagg aggcgagaca 60
 tcttgacctc ctttgagaac tgatgggatc taccctctgt ccacgcggga cagttttctca 120
 gaactgggtc atagaccacc tgtgtcacca acagccagat acctaattccc tgagcctcct 180
 ttgggaaggt ctggggccga gggctctggga atttttttt tttttttngg nacanagtct 240
 nnttnngtca ntgcantcca nccngggnaa caaatcgana ntccntttt aaaaaaaaaa 300

<210> 838
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 838
 ctaagcccca aaacgaactt caaactgggt gtggtggcac gtgccttttag tcccagctac 60
 ccgggaggct gcggcaagag gattgcttga gcccaggagt tcgagtccaa cctggggcaaa 120
 agagtgaagac cccatctcta aaaccaaaaa ggtaccttag aaggtcacct ggttggctaa 180
 ccttttaaag gcaggggctg gacacgtagg acacattggg aatgtcttgg ctactacatg 240
 tagccttctg ggatatatgt gcccagaggg agaagcactg agcctgaaga aactagatga 300

<210> 839
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (270)
 <223> n = A,T,C or G

<400> 839
 atnncnntcg nnaannatnc nagaaattnn naagtnttna ncanananaa naaatnancn 60
 cgc nangnna aaannnnnngn nnnncgaccc caccagctct gtataggcct caaaggggct 120
 gggagtgggc tgcccctcgg gtaggtgagc ttggcaacgt gtcttcagggt tggagagagt 180
 ggataggcaa atgccataaa gcacatttcc agttcctgtg aaactcctct ctccgcaaaa 240
 agtggagaac aatttgagga ctgaaataag 270

<210> 840
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 840
 gccacttgac acagtgaagt gcctcttaaa tctctcgta ctctaccatg tctggctgtg 60
 tgggtgtctt ctctgaaga cttggtatgt ctcatggata ctcttcaaaa tctatgccac 120
 agaggctcat gtgtttcctg ttcaaccacc atttgacaga gggtcagatg agtgccctcc 180
 aaaagtgtta aatagcaatc ctcccccat cataaagtat ttagccttgc aggacctgat 240
 gttgtcttct caatatctc cttcacgaag acaagaagtt ttcagcctca gcccaaccagg 300

<210> 841
 <211> 277
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (277)
 <223> n = A,T,C or G

<400> 841
 gttctcaggc cttccaggta gtccccttcc tggacttaag agtgcaaact cttctctgtg 60
 gttctagcct tgggcagaat tatatcccag agaccacaga gcaactgtca agctgcttac 120
 cccctcacc agggctacag cctgtgccca gccctctaatt ttgtgcctct cttgtgttgg 180
 gggaggatga gggagggttc nttnccttcc ctgcnnctgn ctncctanaaa gntcanagna 240
 cccantgnaa ganancctta angnncagca tttagtgt 277

<210> 842
 <211> 300
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 842

gagacctcta acctcccga gttgagcaaa tacactctga gagacattag ggactgtggc	60
aaaaagcagg caatccatgt gtgtcactta agccttgagc acagttcagt aggcaacaaa	120
ccaggaactg tcctggcaga taagacagac tgtgcaaggt catcgtcatc ggcattggaa	180
gggcattaat taccaaagtg gagacacagg cactgtctcc aanagcattn cnaatccttc	240
acagagtncn caagngggg gaagcctatc nncagctcc ncgcgggacc ggctgcccc	300

<210> 843

<211> 300

<212> DNA

<213> Homo sapiens

<400> 843

cgaggccagt tccaggccca ctttttgcce tgtgagcccc ctgcatttct ggtttctcct	60
tttccaggca gctactcggg ggagcttctc tatttaacat ctagtgtgtg attcatgtct	120
tttggtgttt ctttcagtga tgttgcttat ttccccaatg aactgttg ggagcttctta	180
agaacagggt gtctagggac aaggatgtga agtggtacaa gggaaaagta ggccgttttag	240
gacctgtggg tgtgtcatga ctgtgcttgt atctcttgtt agctttgtgg ccttaggttc	300

<210> 844

<211> 300

<212> DNA

<213> Homo sapiens

<400> 844

actgaatggg ctgtatctgg ggaatcaagg tattaggggt gagcaaaagc aagaggaagt	60
agagcatttg atctcttttc ctttgattag gttgaggaca ataaagtctc attctctccc	120
ttcttcccat gggcagcctt atatatgatt gaagaacatt agtgcaaaga ttcctcatcc	180
agaaataaac tcttgactt ctatactaatt taaagattca tgtaaattac taagtctctg	240
gaaaactatg gagaactctg tgggggctgt cattcacact ttagtatgaa ttggtttaat	300

<210> 845

<211> 291

<212> DNA

<213> Homo sapiens

<400> 845

actgagtctg ggggcactga gtcagagcca gctccgctg cccaccatga ctgggtggct	60
cttatacaca tgtactcttc ccatctccag gtcccagatg tcgaggcctg tccactctcc	120
ttttccccta ggcagggatg gaggggctgt tcagtcctgt ataatttgga gtgactggag	180
gggtgggggt attgatgcat ggtattccag taaacttctc tgcttggtgc ctaaaaaaaa	240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a	291

<210> 846

<211> 300

<212> DNA

<213> Homo sapiens

<400> 846

attgaaaaag agagttcatg taaagccgat tattatttaa tctaaagtta tgttcacata	60
ggaagcacta gtgtagagaa atagggtctg agggacaagg agcctgtgtg cccgtgtcgg	120
cagccgagta actgtccaagg gtcccctgct tggcactctg ctgtcccact tgcttcctgc	180
cctctctgga ttctaacact tgtgccattg tgcattccgtc tcagggtcatg gtgctgttac	240
ttggtgagaa agcattattt aaatacccca gatgaggagt taggcacttt ctccagtttt	300

<210> 847

<211> 300

<212> DNA

<213> Homo sapiens

<400> 847

cacctaacat taggtggcac ttaatagtga tgataatcac ttatggagtc tactaagatg	60
tttgtgaatc cttctcccca ttcaaaaatc ttgacaaccc tgtgagacag atatgctcac	120
cttactgatg agtacggggg cttggcaaag taggtatggt gttcatatta cacagctagt	180
aagtggaaga gtcaatatca tatactccca gattcagaac tttaaataac cccatgctac	240
cttctagggg aagcttctgc tatgtgtttg gaggggttagg tgagagaaag gtgaatttta	300

<210> 848

<211> 181

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (181)

<223> n = A,T,C or G

<400> 848

ccggagcaga gagcgagga gccgcggtac cccggcttcg tgctggggct ggatgtgggc	60
agttntgnga tccgctgnca cntctatgac cgggcggcgc gggctctgcng ctncagcgtg	120
cannatggnc anaatanttn nccttatctt tnttgncng aanntnnntc tgnngtnctn	180
t	181

<210> 849

<211> 300

<212> DNA

<213> Homo sapiens

<400> 849

ctccctggta ccctgactac caggaagtca ggtgctagag cagctggaga agtgcaggca	60
gcctgtgctt ccacagatgg ggggtgctgct gcaacaaggc tttcaatgtg cccatcttag	120
gtgggagaag ctagatcctg tgcagcagcc tggtaagtcc tgaggagggt ccattgctct	180
tctgtctgct gtcccttctg tctcaacggt ggctcgctct acagtctaga gcacatgcag	240
ctaacttggt cctctgctta tgcattgagg ttaaattaac aaccataacc ttcatttgaa	300

<210> 850

<211> 300

<212> DNA

<213> Homo sapiens

<400> 850

cagagatgag tcagaacagt ctctcaatc ctgaaattca acaaggcatc agaagggtctg	60
gctgtggtca agcccagctg ctgtcatgtg aggagatgct cactgtggtc ttgttgagct	120
gatggccttg gttgagctga tggacaagtg aaggaggcca tggggctgtg ctgtccttcc	180
tgcggtacgt gccattccac tctcttcagc tctcccctca acagcatgcg agcccatacc	240

ttctgcattt ttccaggcct gtgagggata taggcctccc cttggagcac tgagtccgga 300

<210> 851
<211> 300
<212> DNA
<213> Homo sapiens

<400> 851
acggtgtctg gtggagaaga gctgagcttc cctggcccct tctgaaatgg ggtcaggaag 60
gggatcagga gggggattac cctgatgcct gctgcctgct cccatttgat ccaccacac 120
agcctctcga ggtaggggct tggcaccceg ttgtccagct gtgtgtggcc tttctgaatg 180
acgtggttct tgggcatctg agccagtcgc cagccatgtg ccctgcccc aaggccctgg 240
gagttcctgg taggatccca cagctgttgg caagtctgag gtttgccttt gcagatggaa 300

<210> 852
<211> 300
<212> DNA
<213> Homo sapiens

<400> 852
gcctccctgg aggattctgg atgattctgg gagcaggctc tggactctac gtgcttcagt 60
gggaatctgg acacgtttct tatectttgg gcctcagttt cctcatctgt agaatgggaa 120
tgacaacagt acctacctca tggggttaag gctcaggcca gttaacaccc taaggagcga 180
tgccttggat gtcgtaaata ctagaaaagc atgagttgtt atgaataggt cctggtgccc 240
cccaccttc ttccacaaac caagacaacc aaggagccac acctgccacc tggctttgct 300

<210> 853
<211> 300
<212> DNA
<213> Homo sapiens

<400> 853
acaagaggag gcttatcggg aggaacagct gattaaccgg ctgatgcggc agtcccagca 60
ggagcgcagg attgcccgtgc agctcatgca tgttcggcat gaaaagggaag ttttatggca 120
aaacagaatt ttacagagaa aacaacatga ggaaagacga cttaaagatt tccaggatgc 180
tcttgatcga gaagcggcct tggcaaaaca agccaagatt gactttgaag aacaattcct 240
taaagaaaag agatttcatt atcagattgc tgtggaaaga gctcaagctc gttatgaaaa 300

<210> 854
<211> 300
<212> DNA
<213> Homo sapiens

<400> 854
aatgtatttt ttcagtaagc acccagaggc ctccattcag gctgtttttt cagatgccc 60
aatgcatatt tgggcattag aaggctctgc gcacttagta gcagcatcat ttacagagga 120
tagatttggg gttgtccaga cgacactacc agctatcctt aatactttgt tgacactgca 180
agaggcagtc gacaagtact ttaagcttcc tcatgcttcc agtaaaccac cccggatttc 240
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<210> 855
<211> 300
<212> DNA
<213> Homo sapiens

<400> 855

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gcttcttcac	ccagacacca	aggtatgaga	tggccctgcc	aagtgtcggc	ctctcctggt	180
aaacaaaaac	attctaaagc	cattgttctt	gcttcatgga	caagaggcag	ccggagagag	240
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<210> 856

<211> 300

<212> DNA

<213> Homo sapiens

<400> 856

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accacagcca	gagagcgagt	gcccgccaca	aagacgggtc	atctgcagtc	acgggcgagg	120
tacaccagcg	agatgcggag	tgagctacta	ggcacggact	ctgcagggtga	gtcaccatga	180
acacaacagg	acttgagggc	cagctgacta	ggacaagaca	tgtatccttg	ctgccccggg	240
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<210> 857

<211> 300

<212> DNA

<213> Homo sapiens

<400> 857

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gataaagcct	gagaggggatc	catgggattt	cttggcaaag	ggattgttgg	tgataaccagg	180
aagagcagct	tcagtggctc	atggggagag	aagccagatt	acaggagatc	agcaactgag	240
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<210> 858

<211> 300

<212> DNA

<213> Homo sapiens

<400> 858

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ctggaaggat	caaactctgat	acacacaggg	aggtgtgttc	aaagtgtcct	gggggtgctg	120
atggaagaaa	gtgggagtg	ctgccatggg	ctgggtcagt	taacaccogg	ggtcggcagg	180
ctgatgggtc	aggagagact	gagtctacct	cccctttggg	agggatcaga	aaaatcagag	240
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<210> 859

<211> 300

<212> DNA

<213> Homo sapiens

<400> 859

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tgagggacac	gcatggggca	catggtaagc	ttggcaaggg	ctccaggaac	gctgacgaag	180
ggttttagga	ccccacccc	catgcctgta	ccagggctgg	cctccagagc	gggtgaggac	240
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<210> 860

<211> 300

<212> DNA

<213> Homo sapiens

<400> 860

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cacgggcatt	gtagctttgt	acatagcctc	aggcctcact	ggcttcata	gtcttgaggt	180
tgtagcccag	ttgttcaact	gtatggttgg	actactgtta	atagcactcc	tcacctgggg	240
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<210> 861

<211> 300

<212> DNA

<213> Homo sapiens

<400> 861

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cgcctggta	cgcggcatca	ttcgcattag	tacccgaaag	agccgtgctc	gcccacagac	120
ctcggagggg	cgttcaactc	gggctgctgc	cccaaccgct	gctgcccctg	acagtggcca	180
tgagaccatg	gtgggctcag	gtctcagcca	ggatgagctg	acagtgcaga	tctcccagga	240
gacgactgca	gatgccatcg	cccggaaagct	gaggccttat	ggagctccag	ggtaccacgc	300

<210> 862

<211> 300

<212> DNA

<213> Homo sapiens

<400> 862

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gtctgcttca	gtgcagtga	ggaaccgtgg	agcatgcaac	acatcccggc	actgttttcg	120
gccttctgtg	gcctcttgg	cgccttttct	taccatctga	gccgtcagag	cagtgaccca	180
tctgtactca	tgtccttcat	ccaatgcagg	ctgtttccta	aattttttaca	tcaaaatctg	240
gcagagtcag	ctgctgaccc	tctccccaag	aagatgaaag	attcagtgac	ggatgtctta	300

<210> 863

<211> 300

<212> DNA

<213> Homo sapiens

<400> 863

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agccaaccaa	ccgtaggaga	acctcgaagg	catcttggag	gtccctgtct	ctgccaggca	120
ctccctccct	gtcttctcag	caccctgctg	gcatacaca	gaaatgtggg	caaagacccc	180
tcatcccaca	ctaagaatgg	tccaacagaa	accagcctgg	tcccagggtg	ggctcaggct	240
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<210> 864

<211> 300

<212> DNA

<213> Homo sapiens

<400> 864

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ttctggaagg	aggtgggtga	atgaatctca	accccgga	caacctcctt	caccagccgc	180
cagcctggac	agacagctac	tccacgtgca	atgtttccag	tgggtttttt	ggaggccagt	240

ggcatgaaat tcatcctcag tactggacca agtaccaggt gtgggagtgg ctccagcacc 300

<210> 865
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 865
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 tgcctacac tgggtggccc ctccccctgg cctgaagttg cagcacctgc aggctaaacc 180
 agcacatgca tgagggtgc tgggccgggg ctttgggagc agccgatgct cctaaaaccc 240
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<210> 866
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 866
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 gcgagctgta tggctgctgg atgaccttcc tcccagagtg gctcaccaga agccccaacc 180
 tcaacaccag caactggctg tactgttggc tttacctgtt tttttttaac ggtgtgtggg 240
 ttctgatccc aggactgcta ctgtggcagt catggctaga actcaagaaa atgcatcaga 300

<210> 867
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 867
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 ggttacagag gagactgaca gaggaattcc agaatgtaag gatcatcaaa cctgaagcca 180
 gcaggaaaga gtcacagaa gtgtacttct tggccacaca gtaccacgga aggaagggca 240
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<210> 868
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 868
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 cggccggcgc tgcctcctc tctctatgga cgtccgagcg cccccagctg tcatggccgc 180
 cgtggaccag gctctgaagg agtttggcag aatcgacatt ctcatctaact gtgcggccgg 240
 gaacttctg tgccccgctg gcgccttgtc cttcaacgcc ttcaagaccg tgatggacat 300

<210> 869
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 869

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agtgagtgggt cttaccaaaa atccagtatc cttgccatcc ttgccaaatc ccactaaacc      60
aaacaggcgt tccttctgtg cccagtccta gtattcaaag gaacctact gccagtgtg      120
caccattggg aacaacactt gctgtgcagg ctgttccaac agcacactct attgtacaag      180
ccacaaggac ttcttttacc acagagggcc catcaggact ctatagtcca tcaactaatc      240
gaggtcctat acagatgaaa attccaattt ctgcatttag tacttcgtct gctgcagaac      300

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<210> 870

<211> 300

<212> DNA

<213> Homo sapiens

<400> 870

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gccaggagggt cctccagggg ttccttgtgg aggtcacccc agacaatgcc tgcagcccca      60
ttgccccacc acccccagcc cgggtcaatg ggtcagtctt tattgcgctg cttcgaagac      120
ctgccccatt tgcaagcagc ctgttcatcg gggtcctggg gacgaagacc aagaggaaga      180
aactcaagggt caagaggagg gtgatgaagg ggagccaagg gaccaccctg cctcagaaaag      240
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<210> 871

<211> 292

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 871

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tncagtnccg anacntggag gagggcncca gcccttctac cctgnagagt ttntccnagc      180
ancttnnctg tggccgactt gaggnntcct tntgncnngn ttangattgc tnccatnttn      240
gggagnatgn cttttnttag ctttttnngg tntttntna tttnnncttt tt              292

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<210> 872

<211> 300

<212> DNA

<213> Homo sapiens

<400> 872

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gtcattccca tacaatgcaa catccggaat gaggaggagg agaataattt ggtcaaatct      60
accttagata cttttggtta gatcaatttc ttggagaaca atggaggagg ccagtttctt      120
tcccctgctg aacacatcag ttctaaggga tggcacgctg agcttgagac caacctgacg      180
ggtagcttct acatgtgcaa agcagtttac agctcctgga tgaaagagca tggaggatct      240
atcgtcaata tcattgtccc tactaaagct ggatttccat tagctgtgca ttctggagct      300

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<210> 873

<211> 300

<212> DNA

<213> Homo sapiens

<400> 873

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cccaagtcag tgtgtggtgg cccgaacctt aggcaaacag caaactgtca tggccattgc      60
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ccccctgaag ctctgtatga tcgttggcat cgattgttac catgacatga cagctgggag      180

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gaggtcaatc gcaggatttg ttgccagcat caatgaaggg atgacccgct ggttctcacg 240
 ctgcatattt caggatagag gacaggagct ggtagatggg ctcagagctg cctgcaagcc 300

<210> 874
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 874
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 gtgcctgtaa ccaggtcgtc aagccacagg ttttccagtc gcactgcggg agaaagcaag 180
 acaacaggag aaatgaaggc atctccagga gtggaccaga gagcagccaa gccatagaga 240
 agcatcaggt gtgagaatgg aaaacgcaga agagacgtac aacttctgaa agatctcaga 300

<210> 875
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 875
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 agagctgggt agtcaggcat tccagatagt ggttcttttc agaacctttt taaaaggggt 120
 ggttaactac ctcagtagca gaggattgaa ctataccctg tctgtactgt acatagaaaa 180
 tctttgtaga taaaagcaag gcttggttaa tatgatatga gggtaagatt ttaatatacc 240
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<210> 876
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 876
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 agtaaaagaa gatttttaaaa ctacaagtag agtgtaagaa gtatcacgag aaacatcaac 180
 aaagggctga ggatagaagg tgataagtct caagtatctc aagatattca gcagtgaatc 240
 ttaacataaa tttgctttta ggggaagaat ttcaagcata ttgataggct ttaaattttc 300

<210> 877
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 877
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 tctgtctcgg gatcctcagg aattccatca gcctcgtggg gttccttttt cctgtctcct 120
 ggaggcaaat tatatgcagc aaaacgtaga actagtcttg tggattttct ttggtggagg 180
 agcatacacc aatggttcca tgtaaaggct ccagaatcag aactggcgct acaccttggg 240
 gtcacccctt cctgctgagc ctgtctcccc aggagtgaat tgagggtaat attcctccta 300

<210> 878
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 878

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ttcaacaaga	gggttattgt	aattcagggt	atagcaacaa	ttttaatgta	agcgagaaga	180
tgtttgtaac	acttccaaaa	aaatagtact	gtatcagtcc	agtgtccact	ttcctccaaa	240
ccttcgtgcc	cacgcacaca	cacataaata	catgcaggat	tcctgagcag	ggaaggatcc	300

<210> 879

<211> 300

<212> DNA

<213> Homo sapiens

<400> 879

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aaatagaaaa	atcccttgag	caatgaaaca	attgtgaatg	aacacaaagt	ccatgaattt	120
aatccttata	cgtttgctga	gccaagcatg	tgcatctgca	gtgggtggcc	caggctggca	180
gcacagatac	caccatttcc	cttttctttg	ctcagggcac	ggcctgttta	tctcgttgca	240
ccagatgagg	gttggaaagg	atgatggtgg	tggttgtttc	agatctactg	acagcaatga	300

<210> 880

<211> 300

<212> DNA

<213> Homo sapiens

<400> 880

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gaagttaaaa	taattagaat	ctattgtcgt	aaactattaa	aactggttct	ggtcacttcc	120
tttgagggtga	gtaatagtga	gagtgcattt	ctttcttacc	tcctgggagc	ctgaggcacg	180
atgcagagaa	gaacctcaca	tatcatgcat	catcagagga	ctagagtga	ctcaggaaat	240
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<210> 881

<211> 300

<212> DNA

<213> Homo sapiens

<400> 881

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atctattgga	cagctgtgac	ttatggagca	gtgacagtga	tgagggttgt	aggtcataaa	180
gaagggtctgg	atgttatgga	gagagctgat	cctttattcc	ttttaattgg	acttctact	240
attcctgtca	tgctgatatt	aggcaagatg	attcgtctgg	aggactatgt	gcttagactg	300

<210> 882

<211> 300

<212> DNA

<213> Homo sapiens

<400> 882

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gcagaaagga	gcagatgtaa	aagcagaaat	ttaaaacttg	cttttccctg	tcctcagact	180
cttgaggggtg	gcccattgag	taagaagcag	ggagccaaga	acattcatac	tggcctctg	240
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<210> 883

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 883
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 aagcctccag ccatggtagg cgtcttggac ctgccccagt cagctggggc ttgggctgct 240
 aggggttttg gcacacgtcc atgtttggcg gaggggtgtgc cttcaaacc tgaagggcct 300

<210> 884
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 884
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 ggcagccct tctcaaagt tgaggggtcc ccttgtgtac aagcaggaag gctctgagaa 180
 agtcaggttt gctcctacca caggataatt ccgatgaacc tgaaaagcgg gttttggctt 240
 gtgtgcaggg actctggtg aagaaagggt gacagcacct ggccctgggca tgacacaagt 300

<210> 885
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 885
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 ccgttttggg gagaaatgcc agaaacagct tcagtttcca cctactgctt catatttata 180
 atcacagtaa tctatttctc gttttgctat ttctagagca acaaattgtg tgatgcgaaa 240
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<210> 886
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 886
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 agttgtccac ctgctcggga aactgcagg acaaatgcag cagcaaagta ttacattct 180
 tacttcaggg ctgatctcct atttctatca gtccttttga aggcagagaa tgtaatttg 240
 gaacaacctg catattttatt caaatttcca gagagatgaa actttcagaa tgctgtgctg 300

<210> 887
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 887
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 attagccatg gatagaaatt gaaggtagt ggtgaaagt tttcagctt accagtaaaa 120
 acaagtgaga atgcactgac gtccaggga aaaaaaacag atggggtcag ctttcattgt 180

ttccccattt tacaaaacca aagcca

206

<210> 888
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 888

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caaagtgtca tcacgaaaag tgttcctcta ggaaggcata atatgtggcc tgatggattt	120
gatgagtaga ttgtaaaagg gttgggattc tggcagaaca agaagagata actaattagt	180
ggaattaaact gagaaaagag ttcattagca tgttggtctat tagactctaa taaaaatggg	240
tgtgaaaaga tgggatttgg acctagaggc agtcttagag ccataatcct ttttttctcc	300

<210> 889
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 889

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ctgtacacta ccccatcctc ttcctaatac cttaaagtgt ctaccctaaa acaccaagca	120
gtccttctta cagtttggtc cctcctgaca gttcattgat tacaatgtga aagcaccaac	180
ctgagctaaa atgaaatgag aagcctgatg tttcaggcac caagtacttt aaaaatgtct	240
actggctgtc ctgcagcatt ttacttaatc attttttaga ggagggatga ggactgggtg	300

<210> 890
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 890

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caccacttt gctgtcactt cccagctgaa gtgaggaggg actgttcaga aacatcgaac	180
tgagcaaggc ctctgtctac ctcatggaaa acctgatctg gaaatgacac ttggaataaa	240
ataagattac tcttccatta aaaggaaaac caccctaaaag agagaaatag tggatatatt	300

<210> 891
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 891

cggacctcta gtgcctgatg ttcactttct tcaggctctc aatttcctac atttaagctg	60
ttcggttaaa cttttccata ttcagcttga gatcaacctc ctttacataa ctgattattt	120
ttgccttgag gagaaaagat gacgctaaac acagcacaca tgtgtttatt atatgttggt	180
aatgtggaat tcaaagatga aagagacgtg agctgcatca ctaaaaaaga aacatattac	240
ataaatgcaa tgctgatatc atagataata aaattaacac taattttttg atattatcaa	300

<210> 892
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 892

atagaacatg	tcacacacga	actggaaact	gattctgtgg	gcgacaagag	tctatagtaa	60
acgttatgac	agattctttg	aatgcgctaa	tctcagactg	gactaaagtt	gggattaaat	120
ttaatttgta	cttgagttca	gtgcattgct	gttctgggca	taggaaatcc	aggttgctgg	180
tgatgaacag	ctgaaaagag	ctgtgtcacc	atggttgtct	ctgtcagtca	tgtgaccacc	240
cttacccttg	taaaatcaag	caagggagag	attattttct	aatgtaaatg	aaaataaaaa	300

<210> 893

<211> 300

<212> DNA

<213> Homo sapiens

<400> 893

gaagttgaaa	tcctagttcc	tggagtcctc	tgtgatggca	aattctgect	tccttgtttc	60
ttcttttttt	ctcctctgtt	ttcccatttt	agtagttcaa	atggtttttg	tattattgaa	120
gacaggatg	tctcaaacc	atggaactca	caaaaaaggc	tcattttcta	tcctcaagga	180
gctttacatc	taatggaaaa	cacacagtga	agtcagaag	gactcactgt	ggactggtag	240
caccatgagg	gctttccatg	aagaaggact	taagccagac	ttagcagggt	gggcagggtg	300

<210> 894

<211> 300

<212> DNA

<213> Homo sapiens

<400> 894

atttgcctta	atcttgggtt	actagtaatg	ctatctgcgc	tgtgcgtcta	aagcctccag	60
aaagattgct	caggcatggc	ctaatagctt	ttatcagttc	actcagtggc	tcttacactt	120
tgatacctga	aacctagagt	taactgtgta	ggaccaagct	cttctgaagg	agtcaactgc	180
tctcctctgt	caataatggc	tgtttatgcc	aaaacagcca	agagaacctc	cccacccctt	240
tccctctgtc	aaagtgaat	ggaacctaa	aatggaagct	agtggctatt	ttgccatacc	300

<210> 895

<211> 300

<212> DNA

<213> Homo sapiens

<400> 895

ggtggctggg	cgctacaga	actgtgccg	agcagcagcc	aattactgcc	gaagcctcca	60
gtaccagcgc	cgttcctccc	ggggtcggga	ctgggggctg	ctccctcttc	tgcagcccag	120
ctccccagc	tcctgtctct	ctgtacgcc	gatcccttta	ccccttgac	ccttcaccca	180
gctcactgct	gccctgggtc	aggtattcag	ggaagcactg	gggtgccata	tagaacaggc	240
aaccaagaga	acgcggtcag	aaggagggtg	aactggggag	tcctctcagg	gagggacaag	300

<210> 896

<211> 300

<212> DNA

<213> Homo sapiens

<400> 896

gtgatagaga	tcatgccgct	tgggttgctg	agttctcccc	ctcgttgtaa	ttcagcaggc	60
ttcccagtgt	tcctgcctc	ctcatctgtg	aggccgaact	cactatcatt	cccacttata	120
ggtggaggag	actgaggcac	agagctccca	aagccccaca	gctggcgagt	ggcagggcta	180
gcgtgcgatg	tccactagac	tgggtgtctg	cgcagaagct	gcgtttctca	cccctgggat	240
ctggaagata	attctgatgt	gtgagatcca	ggagaatgca	ttgttttagc	agaaaatggt	300

<210> 897

<211> 300

<212> DNA

<213> Homo sapiens

<400> 897

tgtacatggt	ccagtgggat	gggaagcagc	agagaccaac	agagtctgaa	gaagcaagct	60
tctgagttat	gaaagcctgg	gttcaggaga	ctaacctata	tgtagggtcc	taggaaagtc	120
cagttaaagg	gcctactttg	ccactgctgc	ctccttctta	atgctgaacc	tcctctccca	180
caagggggca	gtctcagcag	gtgtcagctg	agccatgtgt	catctgtcca	ggctaactgc	240
ccacacatcc	ttctgcaaag	ggtacctctt	ggttatcagt	gctcactgat	ccctatataa	300

<210> 898

<211> 300

<212> DNA

<213> Homo sapiens

<400> 898

gtgaggggct	gtctggccct	tctgattttt	tgtaacgag	acatggattg	tggcatcaag	60
atttagattc	attcctctgt	ttgttggagt	cattgaagcc	agtatatact	ggacattttt	120
taaagaggtc	cccattctga	gaaaagacag	gagttgaatg	tcttattgat	tcttaccttt	180
ctgttcgtta	tagacgacca	gaggaaacaa	atgcccgaca	cggattcgac	tcagtcataa	240
gtgtgaacca	aataggccga	tctgggttct	ctcactgact	gaagaggaag	agaaataaga	300

<210> 899

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (297)

<223> n = A,T,C or G

<400> 899

aattaagntt	tttgggttna	ntgccctncn	ntnaantttt	taaagcagnt	ttganttttg	60
nctggnttna	aantngtnt	taangnangt	gangagnncn	taaaattttt	ancntgngg	120
ncccccccc	ttttttttt	gcattgtatg	tcaaaagcgc	ttgttctttc	gtgcatgtgt	180
aagatttaat	ggttccattg	tattatttga	ccatgacatt	ttggagaaac	attcccagct	240
gtaatgttgt	gtatggtagt	tctcactgga	tgctagagtt	ttcaaaacca	ctattct	297

<210> 900

<211> 300

<212> DNA

<213> Homo sapiens

<400> 900

cttgttttaa	agataattgc	tagatttatg	ttttagcttt	ccataaaatg	gaataacata	60
aaataaaata	taaataaaat	atgaaataaa	ataaaagcca	tggggaaaag	gtagggtttg	120
attgctaata	agaaatttct	tggaaaagag	actagctctc	ttttggtttt	ccaaagtcca	180
cattttataa	catttttagt	gcttgggtgt	tgcttgtggt	attacattag	ataaaaatgt	240
atcacagtgt	tggtttatac	tggatgttta	aataggattc	attgaaaggg	gtgtgttttc	300

<210> 901

<211> 300

<212> DNA

<213> Homo sapiens

<400> 901
 ctggaagggtt actgcaaaga cagcctgggtg aaattgttgg gagtacagag gctttaatgg 60
 gttcttttgag gtcaggtaga ggttatgggg ggagcactac agtgagcata tacccaaaat 120
 gaagccagac ttccaaggta cgttctcact ggagagggag cttaatggta aagtttaaac 180
 ttttaagggtt taggttttag attaaggccc aggagatcca aggggaagga ggagggtagg 240
 aaatcagaga taagaggagc tgttgtcatc gcaggatatag taataattaa gatatgttaa 300

<210> 902
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 902
 attatgaaca gatatggagg ccagagctca tttgggtaaa cttactcctg ctgagtttagc 60
 aggttgggtga gagaagctcc cctgagctca cctgtctctc tgactgcctt ggagtaggtg 120
 gcataacctt gtgcacagag aactagaaaa ggggcagaac cccggccttg cagttgtggc 180
 aggtttccac tgtggttaagc taggttcatt cctcatcaag gaatgtgtag cagattgttc 240
 actgtggagg agttaattat agaatgggtt attgttgnta ttcttactca tgaagttaca 300

<210> 903
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 903
 caaagcttga tctattaata tattgatcag agttccatga tccttttcta aaatggtggc 60
 tttattttgc cagaataatt ctgcaggggtg ttttttttgg gacggagtct cactctgttg 120
 cccaggatag aatgcagagt ggcacaatct tggctcactg cagctcttgc ctcccagttt 180
 caggagaatt gtgtgaacct ggaaggcggg ggttgcagtg agccgagatc aatcaccact 240
 gcactccagc ctgagcaaca gggcaagact ccatctcaaa aaaatttttt tttggattta 300

<210> 904
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 904
 tttctcttct ctttctgcac aatttagttc taaagccacc aggcagggca gaggaaggta 60
 aggctttcca tgggtgcttag gagcaggggt ggggttgtta tcataaccta agcaaagtta 120
 caagggtaat ccatatgggg tagcctgggtg tagagagtca gggccccagc aacattaagg 180
 acatccctgc aggatggcag ccaggcttgg gggtagaaga ccctaaacag gatgatgaga 240
 gcctcccaa ggagaggtcc caggatataga gtgtcagagc ctgagcagat gaggaaggca 300

<210> 905
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 905
 tttgaactcc cttagcaagc tacttgtctt tttgcaggat cccatcggat tgctgtctcc 60
 tttttcagat attactggat catcagctgt aaaggtctta tgtttaatta tgtctagcat 120

ttgaatggta acagcgcaga tgttacctgc ctataatcct cctcctctct acagattttg	180
ctttgttctt gcttcttggt tttgagatcc tgcacacaag ttgaaattaa ttaaaaacag	240
tagagcaact tagtctggat aagccttcac ctggcaaata atgttacact gccagagatt	300

<210> 906

<211> 300

<212> DNA

<213> Homo sapiens

<400> 906

ccaagatgcc aatttccatg aagtcttgat ttatatatat gtacacatgt tatgcacata	60
catgtttggt ttctaacagt tatttttttaa gcttttgaga taatttttaga cttacagaag	120
agttgtaaaa gtagtagagt tcttgatata tctgcaccca ccttgccctt atgttaacat	180
cttacgtaac aatagaacat ttgtcaaaat taagaaatta accttgatat aatactaact	240
aaagtagaaa gtttaaaaag tagagatttt agtcttttca ctaatgtcct tttactgttc	300

<210> 907

<211> 300

<212> DNA

<213> Homo sapiens

<400> 907

ggctattaaa aatgtaataca gtgtgaaaat tcatgccatc tgaatcgtag gagtatgtaa	60
gggatttgag ttccttacag aattttctgt aatttagtag ttcaagtgag ttataaatgt	120
atatacttct ctctcacaaa agtgtagga gaaggaaaat cttaaatact agcttgattt	180
cttaatttaa taacaaaaaa caattctcat aacatgtatc acctaacatg tcactttcac	240
tttaaaagtc taaagagttg aggtttattt cttttctttt aaagttgatg tttatgttgg	300

<210> 908

<211> 300

<212> DNA

<213> Homo sapiens

<400> 908

tcaccatggt gccaggcta gtcttgaact cctgggctcg aatgatcctc ccacettggc	60
ctcccaaagt gctgggatta taggcgtaag ccactgtgtc tggcctagtg tatgattatg	120
catgagtcac gcaatgttct ggtcctggat tccaggagta gaggacctag ctttaaatca	180
attagtttca gctaaactga ctagaaccag gtcaaagtgt aattctccct ccagctcccc	240
caaaactaga gttgggggga actggaggga gcaaaacact gatttgatac tagtcagttt	300

<210> 909

<211> 147

<212> DNA

<213> Homo sapiens

<400> 909

gtcttctctgt gcagggtgct ttggtagcca tcagagagga accaagggca acatcttttc	60
ttcccaggcg ttcttctctg ggtgctttat tctcttcttt ttctttattt cgccccacc	120
cccatccctt gccttttttt tttttttt	147

<210> 910

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (274)

<223> n = A,T,C or G

<400> 910

ccaacttgga tgaaggccag cgcagagccc aaactttgtg aatcagtaac acgtgtatgg	60
aacattcact tacatgcaca gaggtgccaa gggacagcct aatttaagat tcatataaac	120
acatttatct ggcaacataa gttaatatgt tggtaggagt cccaccaagt taaaattcta	180
aagtgtttga atatgggcat ttttaaagaa agaatctgca taccataaat tcacgctttt	240
aagtgtatga ntcannngna anantggatn nnca	274

<210> 911

<211> 300

<212> DNA

<213> Homo sapiens

<400> 911

aacagataga gacttgggtct taaaaaaaaa ggaaaagaaa aggaaacaaa aaattatctg	60
ggcctaaagg tgtgtgcctg tgctcccagc tacttgggag gctgaggtgg gaggatggct	120
tgagccctgg aggttgaggc tgcagtgagc catgattgtg ccactgcgct ccagcctggg	180
tgagagagca agactctgtc ttttaataata ataataataa taataaagtg gtcaggaagg	240
gacccccagg gaggagcata aacctctcca gtggctgtga tttgtcagta aggacatggg	300

<210> 912

<211> 300

<212> DNA

<213> Homo sapiens

<400> 912

gcaactcctc tccaatgagc tactcctgac acaaatggag aagtgtgccc tcatggaagc	60
cctgggttctc attagcaacc aatttaagaa ctacgagcgt cagaagggtg tcctagagga	120
gctgatggca ccagtggcca gcatctggct ttctcaagac atgcacagag tgctgtcaga	180
tgttgatgct ttcattgcgt atgtgggtac agatcagaag agctgtgacc caggcctgga	240
ggatcogtgt ggcttaaacc gtgcacgaat gagcttttgt gtatacagca ttctgggtgt	300

<210> 913

<211> 300

<212> DNA

<213> Homo sapiens

<400> 913

cagaatccct ttttcctttt tttgttaaaa gtactcatcc ctaatattac attgttctgg	60
aaggactgaa aataacagaa ctacgacca tgatcggacc gggacaatca gattatttca	120
ttcctcagca aacggagatc gatccgaaaa gtggaaatat gagctcttct ttggtgttgg	180
catatggacc ctgagagaaa gaactttaat tttttctctt ggactgcaat aaagtatagc	240
tgccataaat acgtttcctg acacttggag gtttgtccac aatcgggaaa taaaggcaag	300

<210> 914

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 914

cctaaacaga atcccttttt cctttttttg ttaaaagtac tcatccctaa tattacattg	60
ttctggaagg actgaaaata acagaactca gcaccatgat cggaccggga caatcagatt	120
atctcattcc tcagcaaacy gagatcgatc cgaaaagtgg aaatatgagc tcttctttgg	180
tggtggcata tggaccctga gagaaagnac tttaattttt tctcttggac tgcaataaag	240
tatagctgcc taaaatacgt ttcctgacac ttggaggttt gtccacaatc gggaaataaa	300

<210> 915

<211> 300

<212> DNA

<213> Homo sapiens

<400> 915

ggcaaatagc cctaggagtc ccattttttt aagctgaggg aaataatttt caagaagctt	60
gtcttactag tagcatcatt cttttttact ggctcacagc ttggaagggg tgatggtttt	120
tcctatgaaa gctaacaaca tttgagcaga tccagtgtgc tggtagtca cagtgaaggt	180
gtggagtgtc aaggaagcct cctggtggaa atgtaagtcc agagaaggtc tgcagaaaat	240
acagggtgaa atgttatcaa ggagccaggg tattatttaa gaagaggagg gaggggaaaa	300

<210> 916

<211> 300

<212> DNA

<213> Homo sapiens

<400> 916

tccaagagga gaagcatgtt ccaaaaccct taactttggg aatttagaac tagctttttt	60
actatcttct gcacagcata acttcagtct ccctttacta attcaaggaa atctcagtga	120
acaaattgta taagggtaga tgagctaaaa gctcactgag tcattaattt gtcataactc	180
atctaaatac aatgattagg cttgtgtagg tgtccctagt ttctctttct aaatcatgtc	240
ttagtaggga cagagcaata atggtggatc gtggcaacgg gaaggaagat gatgtgtcag	300

<210> 917

<211> 300

<212> DNA

<213> Homo sapiens

<400> 917

tggtgctgca ttctaagctt aacctcctgg tctcatggca gtgacttgag cttttgatcc	60
atagaagaaa gccagagggt ctgcttggtc ttgtctgcca gccctcgctg ttctttctcc	120
tctgcctctc acctctaccc caaatacctc tgttcttagt ctcaagggga gaataacatc	180
agggagcccc tcatcttccc cagaaggact tctcgttccct catgtagtta actccattga	240
ttttcctatc ttggtgctga tagctctcta agggtagggc acacctcccc acagccaccc	300

<210> 918

<211> 300

<212> DNA

<213> Homo sapiens

<400> 918

caggaacgca acaaaactcaa gtcgcagctc ctggtgggtc aggaagagct gcagtgtctac	60
aagagtggcc tgattccacc aagagaaggg ccaggaggaa gaagagaaaa agatgctgtg	120
gttactagtg ccaaaaatgc tggcaggaac aaggaggaga agacaatcat aaaaaagctg	180
ttcttttttc gatcggggaa acagacctag atccaaggcc acaagtaagg ctatggctct	240
gattctagaa gacaaccttc caagatgcct ggcaaaacca cctccctgtg ccacacagac	300

<210> 919

<211> 136
 <212> DNA
 <213> Homo sapiens

<400> 919
 gtaaggggagg gggtagggct gggttattaa gatacaggct gctgtatttt acattggttg 60
 tgggggaagg ggagcctgga gaaaacaaag tcactattcc cttttttgaa acaggaaaaa 120
 aaatattttt tgttca 136

<210> 920
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 920
 cagactcgca ttatggacaa gtcccttctc cccacacaaa ggaagacata caccgcatag 60
 tccatttcat ttcagctcct gatggcatct gaccgccgtg gacacttccc agtgggtctgg 120
 cttttggagg gagag 135

<210> 921
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 921
 aagcagaaat gtgggtggtg tgactgggggt ttggtgaggg gctgctgtgg ctggaatgga 60
 gggctgccac aataatggaa atggtaaatg aggcaagtaa ggttgactg gtggcatagc 120
 gtcaagggtt ccagctttat taaatcactc ttccaatatg ctagcactgg cctgttggga 180
 aaagtaatac atcatgtaat cgaacaaaag acagaggcaa gctccaggaa tgggcactgt 240
 aaacaggact tgtccagag tagccagatg taggctttag gtaagttgat gcaagctgag 300

<210> 922
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (280)
 <223> n = A,T,C or G

<400> 922
 tctcgatctc ctgacctcgt gatccgcccg cctcggcctc ccggggtgct gggattacag 60
 gggtagcca ccgcgtggg cctggatcaa atctttatcc atgcacattg gaacacagga 120
 ttactgggtt gaaatcattc tagttttgtc atttagatac ttgtacgatg aatctatttt 180
 agcacaaggg ataaataact cgnnangnca tctntanntt gtntnnttn gtgnntttgn 240
 ntanaccacn ttcangntcn angnnaactt tncttnggat 280

<210> 923
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 923
 ggaaagggga cagagcagag ccagttgttc cacactttgg gaagcaggag tagcttttat 60
 catcttctc tggggagcag gcatagagac ataaactgag tgaaaatggg tggaggaaga 120

acttctatac ccacgaacaa catgtgaaga gagagaacca aacataaagt aaggaggggtg	180
agttttattg tatgttgctt gctgacaact gttttggggg cgcttcagtg atatacatte	240
atagaaagac tttgttttat ggcagattag tttacaaaga gtattctgca agtgggatta	300

<210> 924
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 924	
ctcaaaacca aatctcaact cagctacaga atctactgtg gtccttgtct gaaaaaatta	60
gttctactcg ttggaatctt gtctcagagc atcctcatct ctttctcaaa agccccctacc	120
ccaacaccgg cgtgttggtt gtctattgaa acttacaagt ggatggaccc tttctcccga	180
ataaactggc ctttgaaagc tctaategaa atgggttggc aaaatccata ctgcaggaga	240
ttagggaagg caagaatgat gtgccttttt gtactgctga gcctgatggt ggtgccacta	300

<210> 925
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 925	
ggaaacagct ggactagaga tacacatttg ggcataatata tatatatata tatacagtat	60
atatatgcac gctgatttta tatatatata tatatatataa ataattatgg aagtcagtga	120
gattgtccag ggcaagaata taatgtcata tgagagggga gtccagactc tcaagggaacg	180
cggacattta aggggagagt ataataggat gggccgtcaa agtctaagtc agagcatcct	240
gatgttggag gcaaagcagg agagtgtgga ttaagcagct agacattggt tactggggca	300

<210> 926
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 926	
atttcagcct gggcaacata gtgagactcc cgtccctaaa aaaaaaaaaat cccacaatcc	60
tatcacacag agatggcaac acttaccatt tgttctgggc acctttggaa ggaactttta	120
aatcaatgct ttgcttctct gtgggttctt ttgtgactca cacctgcttc tgggtatagt	180
atgactataa agttgatttc ttgggtaagg tatgatctat gagaggaagc ttctaatttg	240
atgagcatca gggnaanttt anctggtata cctttnttt gccctctcca atcaa	295

<210> 927
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 927	
gtggtagcag gcactagata agaggtgaac cagtgtggag gcaggagggg taggaaagga	60
gatggaggca ttattaccaa ggcattgatag aagccatggg atctgataag tggtgagaac	120
tggaaagaga gggacaactc tgaaatttgc ctctgattgc agttaaatga tagcatgcta	180
atgacagagg tagcagtagg ttggggagag tgtagtagta tttctgtttt cagtacactg	240
ggttttaagc attgacaagc caccaaagtc aaatatcaag caaagagtgg cacatctagg	300

<210> 928
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 928
 gcgattttatt tcacagagtt aagggggccag tacacttcat ggtataaaat tatctttttc 60
 aggggatgaa ggcacaagga gaaaattact tgaagcttgg agatcttctc tggcaagcaa 120
 ttacaaaatt ctggtgttct ttgatctggc tccccgccca gacaaccagg gagttcttca 180
 tgttctagcc tcatgtgttg cactataggc agtaatttgg catcagccat agaggagggg 240
 tccgatagtt gtcattgctg cccgccacat atactccaca tggaatgata ctcataatgc 300

<210> 929
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 929
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 acacattttt agtgtacagt tcaccaagct ttggcaagca tgtatagcct ggtaaccac 180
 aagccaatgg agacctagaa cattcccggtg accccagatg ctgggttctg tgtgccttcc 240
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<210> 930
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 930
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 aacagatttg ctgttctgat gattcatctt tctgatcaca gggatagcag aactcagctt 120
 tgaagaaagg catctgcaga gatcatggca gtccattttt gcgttctgag tttgctcctt 180
 taggtaaggg aactagaatg cagatacagt tagaatcagt ctctctctct ctgtttgtct 240
 gtctgtctgt cactctctct ctccctattg cactgagggc cgggcgcggg ggttcacacc 300

<210> 931
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 931
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 acagctttct ggatcagttt ttgcctttaa gatgcactct gactcatcaa acccagaaag 120
 tgtagagcaa atattcctat tcccatgtcc ttggcagaca ttgctaactc atctcagggc 180
 tccaacagag ttgggtctca gccttaccag cctggcagcc actagacttg atccctgaga 240
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<210> 932
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 932
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 ttctgggatt gcaggagtaa gccaccacac ccgtcctcag tgccctggact tctgcagtgg 120

acttccttta	aaaatcctgg	aatatacact	gcagtaaaag	aacaaagcat	acttcagtcg	180
tttaaggctg	aggatatgctt	tggtctttta	ctgcagtgtg	tattccagcc	ttaaacgact	240
gaagaagaat	gtcaagtggg	gaagtggctt	tggttttcag	tttgtgggtt	ctgaatccac	300

<210> 933
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 933						
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attgtaccca	gatagctggg	attggaagtg	aggaggtttc	tcacccaca	gataacccaa	180
gacacaaatg	tgcaattaaa	agtttatatt	agaccacaaa	aaaaaaaaaa	aaaaaanntg	240
ngcctttnaa	antntntggg	ggnc				264

<210> 934
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 934						
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ctagttccaa	cccattggtct	ccagacgatg	actctgcctc	cctgtttctg	tagcattcac	120
agattgcctt	gttttagtagc	ctttcacatg	agatccactt	gacagccctt	gtcctcacc	180
ctcctcaaac	tcctcaccac	actgaaactc	ttccagctcc	atgagtaggt	tcttgggtgg	240
tttcttcacc	tgcaggttca	ggtcaatgct	cagccgggga	ctcgacaggg	atgctttgca	300

<210> 935
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 935						
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agccaggaat	ctcagaggat	ttgaaaaagg	tgaaggacag	gatgggcatt	gacagtagtg	120
ataaagtgga	cttcttcatc	ctcctggaca	acgtggctgc	cgagcaggca	cacaacctcc	180
caagctgccc	catgctgaag	agatttgac	ggatgatcga	acagagagct	gtggacacat	240
ccttgtacat	actgcccaag	gaagacaggg	aaagtcttca	gatggcaagt	aggcccatte	300

<210> 936
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 936						
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gtggataaaa	ctaccacagt	ttctgtgagc	cagcagccag	tctcggctcc	agtgcccatc	120
gctgcccatg	cttctgttgc	tgggcacctc	tctacatcca	ccaccgttag	tagcagcggg	180
gcacagaaca	gcgacagtac	aaagaagact	cttgtcacac	taattgcaa	caacaatgct	240
ggcaatcctt	tgggtccagca	aggtggacag	ccactcatcc	tgaccagaa	tccagcccca	300

<210> 937
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 937
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 tcaggactcc aagaggctgt gtggagccac cactcctagc cacagctgcc atgataagtc 120
 cttccatgaa ggactgagga gggagagtgg ggggtccaggg ctgggtgctgc tcttccctca 180
 gctctgccgg ggctctaagg tccctctatt tatttctcaa ccctggctgg cctctcacca 240
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<210> 938
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 938
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 agtgaaaatg gtctgtgcat ggtgtgggtg ggggtgagggt gaggccgggc gtggatggag 120
 cagcagggag gttgtagaca atgtccagac atcagagaga gggctgggct ctgatcctgt 180
 gccaccctga aaggctttga tcctatgggt tggtcagaaa cagagcctgt aaaacccatg 240
 tatgcagctg ttgctaaggg caaccacaag atgctcaaag gaccttaaag atgtagatgc 300

<210> 939
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 939
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 tacacccttg agcatctctc ggcctggggc tcctgtgcag gttgccctga gagttgggtt 120
 tttagttaa aaagaaggaa cacagatgac tactctgctg gcgacacggc cactctgctg 180
 gcacgcacat agcatggcgc ctcccttttt gggggactct ccttgggtggc atctctggca 240
 ggctgagtcc tctccagctg cagttctgga ccctgtctgg gttggggagg ggcatttggg 300

<210> 940
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 940
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 tcctggggcc cgcacaactc ctcatccggc gagattgctg tcatcagcct agactccttc 120
 gcgctgctgt cccgcgtgcg gaacaagccc tatgacgtgt ttggctgttg gctcaccgag 180
 accagcctca tctcggggaa cctgcaccgc atcggagata tcacctctg ctcggtgctg 240
 tggctcaaca atgccttcca ggatgtggag tcagagaacg tcaacgtggt gaagcggctg 300

<210> 941
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 941
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 tgteccactc tactgtgaga tagagcttcc agagttgttc acagggttga gatttttcgc 120

tctgaatttg	agaggcaacc	gtatctggcc	ttctaaggag	gcagggagct	acctgggagg	180
caacactgac	aggtcatttt	gcttcagtgt	caagcatttt	tttcctctcc	ttttgttgtg	240
gcagctcagt	gttgacaggg	ctccacacgt	cttcctttgag	tagtgggagt	atgtgcccaa	300

<210> 942
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 942						
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tgtcgggggc	cccctaggag	ggagcgctgg	ggacattgcc	atgggacgga	agtctgcttg	120
gcagtggctt	tgataagcga	tgcttggggg	tcagaccacc	ccctagagga	gccacgtgcc	180
gcccagccac	cttcaatgcc	tgccaccctg	cccagggatg	tacagagccg	tgcccacaca	240
tttccttgca	acttgatcaa	atttcttaaa	gcaaacaaca	aaaatgtaca	tttctgtttt	300

<210> 943
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 943						
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gtgagtgaac	tccgaccgtg	gcaggtgagg	cttctgcact	tagctggctg	tcttcatgtg	120
ggccgattct	gtggttagtg	attctgattt	ctcatctgaa	aagtgggtgca	tcacttagcc	180
cctccacacac	ttggaggggt	ctactagtgt	gcctgcgtgg	ctgggttctg	cacactcagc	240
tacttttagtt	tcttttagtct	atccttaaaa	agattcctag	gtgtgttcct	gattttgagg	300

<210> 944
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 944						
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tggcgtcact	caaggaccgg	ccggcgagcg	gcagcccgtt	ccagttgttc	ctgagtaaaag	120
tggagagagac	gttccagtgt	atctgctgtc	aggagctggg	gttccggccc	atcacgaccg	180
tgtgccagca	caacgtgtgc	aaggactgcc	tggacagatc	ctttcgggca	cagggtgttca	240
gctgccctgc	ctgccgtac	gacctggggc	gcagctatgc	catgcagggtg	aaccagcctc	300

<210> 945
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 945						
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aaccagcaga	aaaaggcttc	ttgttgggct	gatggtgttt	gtgcgagaag	ctgaggtggg	120
cagggaggag	agcctaggag	agcggtaggg	ctcatgggca	ggccgttggg	gtacgccttg	180
gccctgcctg	tccccagtcc	cacctgtgtg	gactccaggc	catcctcagt	ccagggtgtc	240
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<210> 946
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 946

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tcatgagcct	cctacatgat	gatcctgcag	ctgccacttg	ctcctgtatg	cctattcacc	120
accacctacc	tgtgtttgca	agttccatga	ggaagggccc	atgcctcctc	ctgcttatca	180
cagtgtgtcc	aaatcagtgc	ctggttcagg	gcctgtgtgt	atgggacatc	tcctaggcac	240
cacttcacac	cctctcagcc	ctaccttcca	ctccagccac	cacctcagca	accagttctg	300

<210> 947

<211> 300

<212> DNA

<213> Homo sapiens

<400> 947

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cctctcagct	gtagctgcac	cacccccgct	ctggctacca	ggctctcccc	gctgggcact	120
gcgtggcctt	ccccctctcc	cgctggcagc	tcctcagggg	aacaggggct	accagaggct	180
gatttctccc	ctctcctggg	ccaggggagg	ggattattcc	ctgcctcctg	ccccgatgc	240
ccaaagcagc	atcttcagc	actttccatc	gaggacttgg	gtggcagagt	gtgggtgcag	300

<210> 948

<211> 300

<212> DNA

<213> Homo sapiens

<400> 948

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ttcctttatc	atcaagtccg	atgtatgatg	gctatcctct	ttctgattgg	ccaaggaatg	120
gagaagccag	agattattga	tgagctgctg	aatatagaga	aaaatcccca	aaagcctcaa	180
tatagtatgg	ctgtagaatt	tcctctagtc	ttatatgact	gtaagtttga	aaatgtcaag	240
tggatctatg	accaggaggc	tcaggagtgc	aatattaccc	acctacaaca	actgtgggct	300

<210> 949

<211> 300

<212> DNA

<213> Homo sapiens

<400> 949

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tttattggat	tattttgtta	ttttctctc	tctagactgc	aagctccttg	agcagaccat	120
gtttattttg	tctaccacag	gtgctcaata	aatatttttg	actattttatt	acatgagaag	180
gtttccatgc	aaacacccat	tgaatacgat	tgaacttgaa	ccctaagaga	tgggctgtga	240
cctttgttgc	cctcaaaact	atcaaagggg	agtgatattc	accatccaga	atctagaata	300

<210> 950

<211> 293

<212> DNA

<213> Homo sapiens

<400> 950

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tgagaccatt	tagagaatga	ttagggggcca	aaggtaaggg	gtggactggt	aagccaacag	120
ggactcagag	aaagcaaggg	tcaggggtgac	cagaaataga	gaaaaaaaag	ccttacagag	180
gaagaggacc	tggacctgag	ccacagagga	tgggtagaac	ttagaaggag	ggaatgagcc	240
cagtctgaat	gatatgtcta	caaagtatac	aatatgcaat	gatgattaac	tga	293

<210> 951

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 951
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 ctgtgatcag cttgctgcag gaggcagaaa gtaaactctga acttagtcag aacatctctg 120
 cccgggaaca ttttgtattt accgatattg atggccaagt gtatcatctc actgttgaag 180
 gaaactcagt aaaagacagt gctcggattc caccagatgg aagtatgggt agtattacct 240
 gcatcgcttg gaaaggtgat acattagtgc ttggagatat ggatggaaat ttaaatttct 300

<210> 952
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 952
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 ccttctccac cccaatttcc aacatcccct cctttgtaga gagagcactc tggaagccac 180
 tgagcccat agccctaggg cctagaccac tattccaaaa gggaagactt ttccattact 240
 atgacagaca cccaggctgg agtcctctgc ctgcactcaa agctctaacc ccaacctctt 300

<210> 953
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 953
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 agcttgatga catggaattc agggaaaaga ctatgatggg gtcacttgta actgcttttg 180
 tgctgtaaaa ttgtcatgga ttaagaagag agttggctgg gtgcggtggc tcacacctgt 240
 aatcctagca ctttgggagg ccaaagtaag gactgcttga gcccaggagt tccagaccaa 300

<210> 954
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 954
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 tttttaattc ttggactcat gtcctcattg cttcactcaa ttaaaaaaaaa attattctcc 120
 agtccccctc cactttgctt cttgtatgca ttgtgacga cccacttcc tcagaatgta 180
 acggggccag agggaaactt ctcacaaact tcgtagagcc tcctcagggg aagctaggaa 240
 gaagacatca aatgttttta agtcatgacc aaacaggctt gttggggaca tatcatgggg 300

<210> 955
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 955
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 gactgcacag agccgtgtcc cagacacgct gtcagtgcct tcaacacgga gccggtttgt 180

tcattcgggtg ctttgtttca ttaaataata gggaaatata catttaaaac aggtatatca	240
gtggaaacac agagttattt taagtgcag acaaattacg gttgagttct gtggcttctt	300

<210> 956
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 956	
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cgctgagccc aggtgaggat cccgagctgg gcctcgaaat gacagcaggg tttgggcttg	180
ggggactgag gcttacagcc ctgcaggccc agccgggcag cattgtcccc actcttggtc	240
tggctgagtc ccttcgggg gcgacgacac gacaggacca ggtggagcag ttcctggccc	300

<210> 957
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 957	
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gatcagcaca catccattca agcaccagac actggagaaa gtccacttga ggtcagtaga	120
gctgcctagc agatgcccaa ctgacccaaa aagcataaga cataaacatt tattgttgta	180
taccctctga agttttgcat gtgttacacc atattactat agtaatagat aattgatata	240
aatgtcctac atggcctgga ccatgcattc cttgctaaat ttatttcttg ctactctgtc	300

<210> 958
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 958	
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gctggaattg agagactgag gacacaaagt ggtgtgctgg agaataaact agagcctgtg	120
gtgccagact ggcaacttgg ggatttgttg agtgaggagg agattgtgca gagctaattc	180
taacattgct gatgagtggg cagaaaccat aggcctcatg aatagtgatt tctgaagtca	240
aagcccagta tgcttaata tcaacccaag tggtttggga gaggggagca cagcttactg	300

<210> 959
 <211> 273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (273)
 <223> n = A,T,C or G

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ataaaccctt tcttaagtgc atgagatggt ttgatgggtt gctgcattaa aggtatttgg	180
gcaaacaaaa ttggaggggc agtgactgca gttttgagaa tcagttttga ccttgatgat	240
tttttgtttc cactgggaat aaagntggat tcg	273

<210> 960
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 960
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 aaccggggac ggttgaaagc cttcgaaccg tgcaggggat gcctcgggcc ctggcccttc 120
 gcttcctctc ttgtgttatg gaaataaaaa caaataaaac tacaaaaaaa aaaaaaaaaa 180
 a 181

<210> 961
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 961
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 aaccaggtcc ctgaggacca ccacgtggct gcaacacagc aggagttcac agtccagagg 180
 agaagcccga tgctgaacag agaatcacat ccgtgagcaa cacaaaaggc ctcaatcaaa 240
 aacctctgaa agccactggc ctagagttag aggaagagtt agccatgaga aatggtggtg 300

<210> 962
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 962
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 ctgacaacag atcaataaat ggctttttaa aagcaaaacc cctcaagctg tttatctagg 120
 aagcctgaca aaccctgccc cagtgggtgtg gcccctgtg tcccaggggc ctggggccca 180
 cctctgcccc agaagtcctc ttagtgtctg tagacaggtc ccatttccac cagggtcaacc 240
 agggctgtgg cagtggacct ggatggcagg cagagcagag gaccgctggt ctatttgttg 300

<210> 963
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 963
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 aaccaggaac atttcctaga atccccctcc cgttatgatc ccaagttagg atatgccagt 120
 gagaggtgct gtttttagtcc cttttgcctg ctgtgacaaa atgacacaga ctgggtagct 180
 tataaacaac agaaatttat ttcccacact tctggaggct ggaaagtcca agatcagggt 240
 attggtagat tctgtgtctg gtgagggctc attttctgat tcatcgatgg cacctttctc 300

<210> 964
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 964
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 ttttggtttt gatcaaagat tacagggtgtg agccaccgca actggcccac tgtgttacga 180

tttgaataaa aaaggaacct gtcaagtacc cagagaatat cagaactgct gtccgatctc	240
ctgaaattga aattaatttc ctcatgtgact caatacccac tgccactcac tcaagccctg	300

<210> 965
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 965	
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ataataaaaa gcatggagtc aaatataagc caagagtatt acagagactt ttaggctgac	120
tcagtatctc aagttctgtg tagattcatc taaacactgc tgttatccat gctatacttt	180
accatgttat cccaaaaggg aatcatcagc aaattttacc agaaactgct gaattcaaga	240
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<210> 966
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 <212> DNA
 <213> Homo sapiens

<400> 966	
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gcagagagac agcacagagg ctggttgaat aaattcactg ggctcatctc acatgtatgt	180
cttctagtct acatgtcttc tatttccttc tgtcttctcc tcatcccac cattaatctg	240
tcagatgcac acatgggcaa agggctcttg gtaccaaagc tgctcagtga taaaagcagc	300

<210> 967
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 967	
ggctgctcta ggtgggtgga aacgggtggt tgccatgttt tctaagtctg gggagctgca	60
cccacctccc ttccagggat ttgaatagtg gtttttctct agctttttgc cagaacaaag	120
gagggtagat tacttaaacc cagggcatca ggatgtgctt gggctatggg ggccataaac	180
cctgagccca gagagcttgg gtcactgtca cctgagtgcg gctgggctgc ctcaggcagc	240
ttggagtgcc agccattcct gcaagcaccc tttcagctct tggggccaac cccaggacct	300

<210> 968
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 968	
tggtatcttg gctcctgga atctctgaat tcactaagcc aagtggccaa acagaaagag	60
aacccaagcc tggaccgagt cataaccaag cagcaaataa cattgtcaac cccagatcag	120
agcagaaagt catcatcttg gaagaaggta gccttcttta cacagaaagc gatcctttgg	180
aaactcagaa ccagtcaccc gaagactcag agacagagct gttatcaaat ctaggagagt	240
cagctgctct agcagatgat caggccatcg aagaagactg ctggttagat catccttact	300

<210> 969
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 969

gccaccagg	catccgggg	atccctgtga	gcagggtgag	ggtgagcacc	caggttccac	60
agggctctgt	cctgggcagg	ccagcagatg	cagtgattgc	aaatcctcct	tgtacaaatg	120
gaacaggcac	gtgcatttgt	ggcacactca	gagctgctgg	ccactagtgt	gctttggaga	180
atcagttgtc	tcccaggcgg	ggaagggtccc	tcagacataa	aatactcacc	catttagagg	240
aatgacaaca	gcaaaggaaa	ctatatcttg	ctaatttact	ggtaagagag	gaaaaactct	300

<210> 970

<211> 300

<212> DNA

<213> Homo sapiens

<400> 970

gcactgtttt	agctcttgcc	aaacctcctt	cgccctgtgc	gccaggtaca	agcagtcagt	60
tctcggcagg	ggccgaccgg	gcaacttccc	cccttggtgc	cctctaccct	gctttggagt	120
gccgggccct	cattcagcag	atgtccccct	ctgcctttgg	tctgaatgac	tggtgatgatg	180
atgagatcct	agcttcgggtg	ctggcagtg	cccaacagga	atacctagac	agtatgaaga	240
aaaacaaagt	gcacagagac	ccgccccag	acaagagttg	atggagaccc	agggattgga	300

<210> 971

<211> 300

<212> DNA

<213> Homo sapiens

<400> 971

gataaaatag	acaaggctct	tgtccaaaag	cagcagctta	tgttcttgta	ggagcaatat	60
ggcagacaca	aagatgcaga	ctgggttagg	ttttagaaaa	acttgactta	aatcagtaaa	120
tacagtaaca	gggatggagg	gcataaggct	ccagagcaat	gctggcgccg	tcagtgtgtg	180
ctctagaggt	gcaaccgggg	tggttggtgg	tcagcctggg	tgacacagca	ggtggcccat	240
gctggctgag	gcctgcttct	ctccttttgg	agctctggct	ttaccccagc	ttccatgctt	300

<210> 972

<211> 300

<212> DNA

<213> Homo sapiens

<400> 972

agcctgctga	gggatgccca	agaagttcca	gggtgagaac	accatgttgg	cagcgtcccg	60
ggcactgagg	tagaggccat	ggctgcctct	gatgccaaaga	atcataggga	gcttgaggat	120
gcctactgga	aggaccgacg	acaaacacgt	catgaggaag	gagcaacgca	aggaggataa	180
ggagaagcgg	cgcctcgacc	agctggaacg	taggaatgag	actctgcgct	tactggagga	240
ggaggactcc	aagctcaagg	gcggtaaggc	gcctcgtgtg	gccacgtcca	actcggtcac	300

<210> 973

<211> 300

<212> DNA

<213> Homo sapiens

<400> 973

cccaagtagc	tgggactaca	ggcgcccgcc	accacaccgg	gctaattttt	tgtatttttg	60
gtagagacgg	ggtttcacca	tgttggttag	gctggtgacc	gtgtggtcat	gggtggggacc	120
agccctccgg	ggcaccaggt	cggggcagg	tctcacgtgg	gagggcacag	ggcttcctgc	180
aggctcggag	gccagggcgg	gattgtggcc	agtgaagg	aaagatgttt	ctggcagggg	240
gacttggtgtg	ggccaaggct	gtgcggctgc	ggcgttgagc	acggcctcac	tgtccacctg	300

<210> 974

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 974
 aattactgga acccgaggagg cggagggtgc acagtgagcc aagattgcac cactgcactc 60
 caggctgggc aacagagtgt gactccgtct caaaaaaaca aaaacaaaaa caactttctcc 120
 ctctccaca gactcctccc tggtcaccac tagtgatcca ccttatggat ctcccaaggc 180
 cacctctgcc tctgctctgt gttgtattat ttggggacct gtggtctggc atgcattgta 240
 cttggtgccc caaagggctg tggcatctga taagtgattt atcctcaggc acagatttgc 300

<210> 975
 <211> 197
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(197)
 <223> n = A,T,C or G

<400> 975
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 ttgacctgtc cgtgctgtaa catgcgtaaa aaggatgctg ttcttactaa gtgttttcat 120
 ggcttctgct ttganngtgt nangacacgc tatgacnccc gncagnngta atgnccccnn 180
 ntgtnatnct gtttttg 197

<210> 976
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 976
 gcgagatcct ccagttcctt gtcaccccaa atagggccaa gggaaaacac aaataaggca 60
 tatccctgac atttggtcgc caaggattcc ttctttaaga tttccccatc taagtggctg 120
 gtttccccag cagatatcac aaatatgact ttgtttcttc tcagattggg tgtacttaaa 180
 aatacattgt ccagagtcca ctgtaaggca tgaccaataa aagcatctcc atttagttgt 240
 ttaactgact cgtgcacatg cctcttcatt aggcgcttac ttctgtaggt ggtaagattg 300

<210> 977
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 977
 tgtcacaagg gggtttttgta gaagctattc ttcacagagg ttgggggaga gattaagcca 60
 aaggatctct gaggtctttt tcaaactctat gattatgtgg ccttttgttc attgacttcc 120
 atgtgttcta gttgatcatt acaaacctgg caggccttct caagggttca gtaattagct 180
 gtcatttccc atttgteccag agagtgtcca acacaaaata cccctaagat cttggccaat 240
 agagaaatgt catggaattt tagaaatgac agtatctgcg gagtttattc caagttatat 300

<210> 978
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 978

ctttttctca	ctgaaatatt	taagcactgc	attttaagaa	aacttcctat	tcattcgtag	60
acttttatct	ggccagattt	ccactctgag	ggcttttctt	tctagttatc	tgacaaacca	120
taaattttat	ttcctttaag	ggcaaaacca	acctccaagc	acatttatgg	cccatgtttt	180
aagagctggc	cgccttttct	atcctgtatc	tctgggtaaa	cgtgttttct	ttttcttgga	240
gcaaattttt	caaagagggg	ctaaagctat	gtgttcctct	ggagagaact	cctgcctacc	300

<210> 979

<211> 300

<212> DNA

<213> Homo sapiens

<400> 979

gctgtccact	ccagttgccc	ttggctaagt	ttagcctaac	acacaggggt	ttgaccata	60
gttctaaaat	acacaaattt	tgagactaca	gcacttcttt	ggaaagagga	agaatgcaaa	120
gttcagtatt	tcaatacttt	gtattttact	tgaaattacc	cttagtagca	tctttttttt	180
cctgtctgaa	agcttttgtg	tggtatgagaa	gggacatttc	atttcctccc	ttaacaaagt	240
gtcattctga	ggttctcatg	tgtgtttttg	gaaatagaga	tactggtttt	gtagagtttg	300

<210> 980

<211> 300

<212> DNA

<213> Homo sapiens

<400> 980

ggtaagatta	ggcagaggtt	ttatctaaca	ctaaagtttc	cttgccctga	tgagctttca	60
gtgttacgaa	atgttattca	atagcaatta	tgagagattg	ttttagccag	aaactgatca	120
cttttaagtt	actggattat	tctgcttgag	cttgtgagaa	cctcaatgta	ctccagtcct	180
ttctgaaata	aggcaagatg	taaataagaa	ttgtgtgaag	tgtttaagat	ggacacttag	240
aattattcag	aacagaagtt	taaagtgtgt	ggcctaagaa	atgtaattca	aaatgactat	300

<210> 981

<211> 300

<212> DNA

<213> Homo sapiens

<400> 981

gcctcatcca	tggtatcagg	aggcacgcca	gggagtaacc	cagttctgcc	cagcaatcta	60
caccccacta	actctgggcc	ctgtctgtgc	tatttaacat	ttcattcaaa	caggagctcc	120
tggaagaag	cttggctcag	tatccttgcc	agatcacccc	tcaaagtctc	cctcagggtat	180
attctaagtg	aggacggatc	ccatatatac	ctcacttagg	ctttactctg	ctctgcaagc	240
acaggcaaga	ccagctacat	ctttgcacgc	caccctgggt	tcttagtagg	ccaagaacct	300

<210> 982

<211> 300

<212> DNA

<213> Homo sapiens

<400> 982

attaaattca	ttagtgtgaa	agaggtggga	gtgaggtttt	ctggcctgaa	gcagtctgca	60
ctgaaaggta	cccaagtggc	ctgaaacagt	gtagggaaag	acctgggaaa	cactggacca	120
aaaaagcctg	atctcatgga	gacctgcatg	gccctgttag	agatggcgta	gaagtgaag	180
tcttaaaggg	agcattagag	atccttttaa	tacacgactg	agtgccagct	tatttgtgat	240
gcccttccc	agaccaggtt	aggattcctg	ggaaggccgc	ggattccggc	cctggaagag	300

<210> 983

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 983
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 gagctgtgga ttgttctaga cttttgcccc gccccaatt ttagtgatag caaaagggca 120
 ctggaactag aggccagagg gaaactatta aactcacgtg ctggcgtgag gaggggatgg 180
 agccaggagc tcagactctc cctcatctca cgggcatttt gtaatactga catttccaga 240
 tagaacctgc tgcctagtc tagctacca cagttccctc cgagatgctg tatttggaaac 300

<210> 984
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 984
 cctgcagcca ctaatgcatt gtgtatgata aaaaaactc tggtagaca cattttctgt 60
 gatcattgtt aattagtgac atagtaacat ctgtagcagc tggtagtaa acctcatgtg 120
 ggggaggtgt gggagg 136

<210> 985
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 985
 cttaacataa cctatgagag tggacagggt tatgtaaatg acttacctgt aaatagtgg 60
 gtaaccgaa taagctgtca gactttgata gtgaagaatg aaaatcttga aaatttggag 120
 gaaaaagaat attttggaaat tgtcagtgtg aggattttag ttcattgagtg gcctatgaca 180
 tctgggtcca gtttgcaact aattgtcatt caagaagagg tagtagagat tgatggaaaa 240
 caagttcagc aaaaggatgt cactgaaatt gatatttttag ttaagaaccg gggagtactc 300

<210> 986
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 986
 gtttctaagc acttcctgta ttgcatatca actcatttaa tcctcacagc aatgtgagat 60
 acatactatc ctccccattt tataattgag ggaactgaag catagacagg ttacatagct 120
 ggtgactggc agatgaattg acttagccgt ggtcctgcag gtgatgagtg gcagcactgt 180
 gctcttatca ccagctcttg agcgtgctgc atcctctcat ttgtcgttgg tctccctag 240
 tgttcagtac tgtgccttg acgtgtttat actcagtagc ttttgaatga cagacttaca 300

<210> 987
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 987
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 gagagcatga gagcacagta gccagcctg ctggtcagca ggctcatctg tggttcacct 120
 gtagacagag agcagatcaa tgtgtacttc agacaccaga aagtctggtg gctttggtcc 180
 caagtgggtg aatcacctga ggtcaggagt tcaggaccag cctgaccaac atggggatac 240
 cccgtctcta ctaaaaatac aagccgggag tggtaggcga tgcctgtaac cccagctact 300

<210> 988
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 988
 atgcaggaaac tgaaaaatag tacaaattct agttcctttg gcttgagtga cgagcgcatt 60
 agtttgggtc agctgtcatc atcgcggtc gcccatctga gtgtggacc agatcagctt 120
 ccaggttcag tgctttctcc tcctctcct ccaccacttc ctctcagtt ttcattctctc 180
 cagccaccgt gttttctcc cgtacaacca ggatctaata atatttgtga ctcagataat 240
 ccagcaactg aatgagcaa acagaacccg gctgctaata agaccaatta tagtcatcat 300

<210> 989
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 989
 aaggccttag gctttttttt tgtagggatga gagtggggga gagatctctt gctctgttgc 60
 ccaggctggt ctccagctcc tggcctccgg cagtcctccc acctcagcct cccagagtac 120
 taggattatg ggcattgagc accacacctt gccaggcttt ttatattgag ttgggttatat 180
 atgcttcata gccacacttt ataattattg agtatagtat taaattacag cttgttgtca 240
 agtcagtgtt tctgtaagac agtatatcca atattgggta gagtaacacc tatttggtga 300

<210> 990
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 990
 cagagtcaac atggagcatc tcactgtgaa atgatccatg gattgaagga tatggtaaaa 60
 tgtttatagg ttactttgaa agtaaaatat actatgtctt ggttttgagg atattggata 120
 caaaactctc ttcctttagg gctactgaga cttgattcct gatcatcaga aatttcacca 180
 gaaacaactt gcttccaata tacccaattc tatatgaaga attcatggag agtgactgg 240
 cactg 245

<210> 991
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 991
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 tctaagatct ttctacttcc caaacttgga attctctttt taggagcatc tgcgtgcccc 120
 gatgtatggt ggagcccatg gtgtatgggg gtggggtggg gggaaggggt gagggtagct 180
 accccctgag gcttctccag aggggtgtngg gacccanatg gacctgggtg aggaagggcc 240
 ctgganaggg cnggcctnna gtctcactgn tccttangtg gnccgngnt ncaaacctgg 300

<210> 992
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 992

gtcagcttca	ggtaggagga	tggcacagac	tcaaggtcaa	gcagaggtgt	gagccacaga	60
agcagagtag	caggccaagt	tccagcatcc	tggctgccag	gaccacbtgt	caggcttaag	120
aagctggagc	tttaggatat	ggagtgtcca	tcacttggca	tctttctcat	agcccaggtg	180
gcacttgaga	attaggttag	ggttgatatt	gaccctatgg	tttggtaaat	catgtccctt	240
gaatgtatac	aaatgatgtc	tgttgatatt	taaaatatgt	ttctttctgt	ttaattgtaa	300

<210> 993

<211> 300

<212> DNA

<213> Homo sapiens

<400> 993

gtgagtccga	gcatacgtgg	cttctggagc	agaccagcca	cgtggaagag	aagccttaca	60
gagatgggtc	ggcagagccc	tgctgatggc	tgggccttgt	gggcagccac	tctgtgtgag	120
caggggtgtg	ggcccatata	cttcaaagac	cagagccctg	cactggggaga	gtgctcctgg	180
cccaggctgg	gaatcacctt	tcgaggccct	tcagactctg	gcggggcttg	ctgtggcctc	240
cctccagcta	gtggtgtggc	tgagcagact	ccagggccag	ggccagttcc	cttctccctt	300

<210> 994

<211> 300

<212> DNA

<213> Homo sapiens

<400> 994

gagtcactcg	ctcgagagaa	tcagctgact	caaggcatct	tcaccaaagt	catccaggag	60
attgccgtg	tggagaattc	ctatgggcaa	gagcgtcgct	gccatctcat	gtgagccctt	120
gggtgtgggg	taactgcctt	gcttctgccc	ccggcacttg	ccatgttcca	gtggggggca	180
gatectcagg	acttcacggg	tatggttgcc	agctgtgttc	ctggcccctg	gacacacagt	240
gtggcactct	catgtttgca	cactttcccc	aggctccagt	ggccctgatg	tcaatgttta	300

<210> 995

<211> 300

<212> DNA

<213> Homo sapiens

<400> 995

ttttgccttg	ctaaaatgat	gcttagcctg	aaaaatcgga	gcaccacttc	tcaaatttat	60
ttttccaact	cagtaattaa	aaaaacattt	acttctgcc	tactgggttg	tggaatattg	120
tcaggatctc	tgggttccag	gtgagggatg	cagaatgcag	ggaaagacag	gtcccctgcc	180
ctccagaagt	cggtggcgcc	ttttcagagt	aacacacact	ggagcagacc	cctggaaaag	240
gacagtccac	tgggtggacca	tgaccttggg	caaaagaggg	accaggtctg	gcttgctcac	300

<210> 996

<211> 300

<212> DNA

<213> Homo sapiens

<400> 996

ctaccacatg	cagcacgagc	agtaccggca	ggcatcagc	gtgtgtgagc	gccatgggga	60
gcaggacccc	tccttgtggg	agcaggccct	cagctacttc	gctcgcaagg	aggaggactg	120
caaggagtat	gtggcagctg	tcctcaagca	tatcgagaac	aagaacctca	tgccacctct	180
tctagtgggtg	cagaccctgg	cccacaactc	cacagccaca	ctctccgtca	tcagggacta	240
cctggtccaa	aaactacaga	aacagagcca	gcagattgca	caggatgagc	tcggggtgcg	300

<210> 997
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 997
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 agtgagcccc tccctgggcc cagaggggag gtccctggag gcagcgctca ctatgggggg 120
 ccctcccctg agaagaaggc aaaaagtcc tctgggggca gctcccttgc caagggccgg 180
 gctagcaaga aacagcagct cctagccaca gcggccaca aggattctca gagcatcgcc 240
 cgcttcttct gccgaagggg ggaaagccca gctctgctgg catcagcccc agaggcagaa 300

<210> 998
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 998
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 catgtcctct atgcccctaa tttgcttcct catcttggag ggtttgggga gaagttggcg 120
 tgccaccccc acaaccctg aggaggtgta gaccagtcct gagagccgca agcactgagg 180
 cagggcctga gactggacct gggtagcggt gngtggtgga ggntggcgag gtgcgagagc 240
 tgcagaccag tgncttactg tntggagnnt gncatgctgn gtctgtacct tngggacttg 300

<210> 999
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 999
 caaagccact ttgaattctg gaaagttgac ctgatggaga agaaccagga aaaccaagac 60
 cagcatttga ggaaagctgg ttttgtcaac aacaaaatac tgatggaaga cagaaatagt 120
 gttttaggag aaacatttaa tataaattca aaccttgttc caatgagaaa aatacctgat 180
 aaatatgact tatgtataat gaacgtgaat tatatttcag aattaattgt tagtaataga 240
 aactcctttg gaaggaagct tgatgagctc agtgcacatg cgaaattgct ccttcatatg 300

<210> 1000
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1000
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 cacctcaacc agaaggaatc ttagacagca aactctttcg ccaaacgact gctgtgaatt 180
 ttacctgatt aacattcctg acaccatctg tgggtcatcc tttccctgga ccgttcagt 240
 gacagctttc aagcagtgct tgttgtaggg tcccatcttg gccaaagaact taccttcaga 300

<210> 1001
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1001

caaaagcagc agcctcattt ctgtcctcct ttgaatttca tattaaattg ettacataga	60
atgaagggtcg agttcactgg caggctaaca aagtccttg taatttgcc ttatatgccc	120
tatgccttct gctgtagtaa tactttgatg cttgtaattt tcttgaactt acgtcatttt	180
gtgtctctgc ttttgtcagt tctcctgact cttagttttg cctgactctg tcttcataga	240
cttgtgtgta ggcattatta tctcctgtga agtcttctct gacagttact tactccctcc	300

<210> 1002

<211> 206

<212> DNA

<213> Homo sapiens

<400> 1002

gtagtaaaaa agataagctt gtgaaatcta tcagctctca ggctaagcat tacaccaaga	60
gaatcttgca cgatccttca atcataagaa atcacatggt agtgcagaag gtccagcgtg	120
aaatcctcta agtggccaaa tctaggagtt cttctctggc ttggttggt aaagcagtga	180
tctgtgtcac cccagggcc atcact	206

<210> 1003

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1003

gttacctctc aattttaact ttttttttct tttttaatta atgtttttta cccatggcaa	60
gctgtaatag ctttttttgag gggaggtagg tgcttgataa agaacagtag gtgctgctta	120
tcaacagatg aaaggagggt tctttttcag gcaaccatct catttgtgag tgaatggact	180
ttctctttaa agtgcctgga ttgttagtgc cttttttatt gtaaatatca aaattgttat	240
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<210> 1004

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1004

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agtctcacc atgggetaca gtgtacacag gaggggacc ttctgttctt gaacttaggc	180
tgtggtgtga tcaccctttt ctctgcatcc acctgacagg ctgggacttg ggctatgtc	240
tggacaaggc tggctggtgc aatgatgccc tctagaggat ggatcaggcc cagtcaccac	300

<210> 1005

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1005

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gtgattccaa gaaagttag atctttccac atggaaaccg tcatgtaaga acagaaaaac	180
tctaaggttt atctgctgtg ctgctcaact ggatccagac caggattctt tattttaaaa	240
gctatatttg atagatgtta tattctactc ttgcttcaaa acaaatcact ttcgacacag	300

<210> 1006
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1006
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 gccttcagga tgacctcttg gaactgtgcc gagttcctta aatctcagct gggatcctgg 180
 acctgggagg ccctgtgag ggccagctct ggaaaaacct gggagttgat gccggaggct 240
 gtggaagaac tctgctcgag ggcagggtgc cctggaacac tggtagttct ggggctggga 300

<210> 1007
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1007
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 ggagctccaa gagaaggta ttgtccttgt agcagcaggt gcccccccaa gctgggttct 180
 cactgcaggt gccagcgggc tctcagtagg tatgacctgg atgtgagtg tgagccagga 240
 ttgaggcact cagcaccttc gaccacactt cccactctcc ctggggggttc aaggcaggct 300

<210> 1008
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1008
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 ttatactcta gcccttataa cttatgcatt gtcacagtg gggagtccta aagcgaagga 180
 agctttgaat atgctgactt ggagagcaga acaagaagggt ggcagtgcaat tctgggtgtc 240
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<210> 1009
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1009
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 aaagaagctg gcagagtcct ggggtgagac atttatggag tcatctgctc gagagaatca 180
 gctgactcaa ggcattctca ccaaagtcac ccaggagatt gcccggtgtg agaattccta 240
 tgggcaagag cgctcgctgc atctcatgtg agcccttggg tgtggggtaa ctgccttgct 300

<210> 1010
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1010
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caccaacagt aacagtagcc ttataacaag tcaggatgct gtggaaaggg ctcagcagat	180
gaagaaaagac ctgcttgata agctagaaaa attagctgaa gaccttcccc ctaataccct	240
ggatgaactt atcgatgaac ttggtggccc tgagaacgtt gctgagatga ctggccgcaa	300

<210> 1011
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

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taaaaataca aaaattagcc aggcgtggtg gcgtgtgcct gtagtcccag ctacttgggg	120
aggctgagggc aggagaatca cttgaacccg gaggcagagg ttgcagtgaag ctgagatctt	180
gccactgcac tccagcctgg gtgacagagc aagactccat ctcaaaaaaa aaaanaanan	240
gganttaant nantttaatg gntgnttggg aggttttttt caaacaaaaa ntcctttttt	300

<210> 1012
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1012	
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agctgcccac ctggcttggtc ctggcttctc ccacagtcca taccctacct ccaggtgctt	180
caggggccac agccacccca gtgggtgttt gggctgaagt agatcatgtc atgtggatgg	240
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<210> 1013
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1013	
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aagagtgttg acaatcagaa attgtcaatg gtaattgcaa ataggaagac gcaagggcag	180
aatggcagct gcaagcactg atttgcaatt atgccacttt cactgggaac tctgagtact	240
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<210> 1014
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1014	
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ggagcacaag ggcattagct tgagggacag ccagaataaa tggaaacttc attatccatg	180
gattatgcac ttggaactta ggtcctagc aactctgata ttagtaattt ggccagcagg	240
ctcattaagc tcttaagaaa agtgggccta gttaatgaat taacacaaga tgacatttta	300

<210> 1015
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1015
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 cagagagcaa gactcttgct ttacagaaac acatattctt gtggaatgag aggggctatc 180
 atcaagtaag caaatcattc catggagtgt gttagtctat tttcccattg ctttaaagaa 240
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<210> 1016
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1016
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 gaagagccta gcggggaatg tcatgaatcg acctccatcc tgagctctcc aggcctggga 180
 caatggaaag tggatagggg gctgtcttcc cagaagggaag ctgggtcaga ggttgggtgcc 240
 ccatgggctc caccagagc cccatggcag tctccatcca ttggtgccag gacctgctgg 300

<210> 1017
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1017
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 tcaactcagt tggatttctg ggatgagaat tagaggagtc ccattgaaaa actggaatga 180
 gagatgagaa gtttgctgaa aacagaacat tttttgtgt gtggattgat ttgcctcgta 240
 tacctgcctt gtactttaac cacatctttg cagtttaaaa tagaacacat tatttcttca 300

<210> 1018
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1018
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 tttctctgcc cagtaatgtt gatgcagttt gcataaatag ccttggaagt aaggaggcag 180
 gacagaaaagc caaatatcga aatctctggc cttgatttag tgacagtta ttctaaggg 240
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<210> 1019
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1019
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ccataaaggt cttcagagt ccttgccct agacctcct tcattctttg tagagatgga	180
atctaagaat gaaacatctc cactcagtc tgcaaatatg gaagttcttg agataccttt	240
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<210> 1020

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1020

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cagactgttt attccatggc tccgtccct tccccacaat tggcagagtt gagggaaaaa	120
tacacctaca acattacacc gttcccagcc acagttaaac ccacctcagt ttctggacga	180
catagtaagg ccagagacag tgatgaagag aatgaccag acgatgagga tgctgtcgtt	240
aatgcagtgg ggtgtcttg accttttagt gggttcctgg ctctgaact gcagaagtac	300

<210> 1021

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1021

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gagaacaagg acatcatgga tagttaaggc aaccagatag gtgcttatcc tctaggtctc	120
catccaaaat ggagtaatga cacctacttt cgtgttttaa gatttaaacy cagtaacata	180
tgtaaagtgc agagtctgat gttcagatcc acaacgatgt aaataatgca aaaccagtgg	240
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<210> 1022

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1022

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ttcttagtcc agcacagaca attctcaaac agattagcaa accaccctct tgaaattgca	120
agaattgtta ccatgtgatc aaggcatcat aattaatgca aaccctagtt tctagttggg	180
aaagagatta agatggagac ttgtagtaa aagatggaca tatattttat tcacatagct	240
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<210> 1023

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1023

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ctcgatctac cagaccccag gcctgggttc caagggaaaa attgccaga ccactcacca	120
gcagtgttc agctattcgt aaacttatgc ggaaagcaga actcatgggg atcagtacag	180
atatctttcc agtggacaat tcagatacta gttctagtgt ggatggaagg agaaaacata	240
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<210> 1024

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1024

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tagcctttca gaatgggagt aagctttgca atcaacctgc tccttcatct tatctgtaca	180
cttgataaat ctgattcagt gggtggaacg gaatctgctt ttcctgtatt gggtacaagc	240
aagcactttg cctgggtgag tgtagctgca gtatagcata gaattaagac tacagtttca	300

<210> 1025

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1025

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aatatttata ccattctctc attaagtgc actggttcca taaatttaaa gacagcgggt	120
cacccatctc tatggttttg cattccatgg tttcagttac cacagtcagc ctctgtctga	180
aaatattaca tggaaaattc cagaaataaa caattcataa gttttaagtt gcatgccgtt	240
ctgagtagct tgatgaaatc ttacaccatc cccctccatc caggctagta catgactcat	300

<210> 1026

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1026

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gtgacttaac gcagttctaa tgcctacat ttttatgctc ttatcctgca gttacaggat	120
aagtcaagat acacgggtcta caaagaaatt ttgttctaatt tttataatag tagagatggg	180
gtctcactat gttgcccagg ctgggtcttga actccagggc tcaagcaatc cgcctgccta	240
ggcctcccta agtgcctggat tacaggcatg agccactgaa cctggctgta caaagaaatt	300

<210> 1027

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1027

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gagattttta aatgtattgc tcaaacattt atatgggtgt tactatgtgc cctgcactac	120
tctgttttat aaatgttact taatccctat gatagcgcta taaggtaact actataatta	180
tccccagttt tacagaggag gaaactgagg catggagaga ttaagtcatt tgtcaaaaat	240
cagatctggg aatcctgcct ctgggggtcca tgcttttaac caccatacca tgggtccctg	300

<210> 1028

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1028

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aggtagagga agcagagatc accctgcac tgctacctac atttacctgc tagaagtaaa	180
aattagttta gtggaaatga ttatcatata tattttctct cttccttttg aatgtacaca	240
atgtaacaag agtgacagac ctgaaattac aatcaccaaa caaacccaag atagttgttg	300

<210> 1029

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1029
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 agttcaactg catgacctta atgtattgga gcacgtctta caggtggact taaaactcta 180
 gaatttcctg agtcgttggt atttccact gaaggtcttt ccactgtaca gcatttcagg 240
 catcatcact atgattcttt tttcttgact gttgcttggt ttccactgc tcttttcccc 300

<210> 1030
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1030
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 agagcagctg aggtattgat ggaagtgtgt ttttaatgta cttcattcca atttgaatta 180
 ctttatactt tccaagttat tcatgaaact ctgttatctg taactcttga ttaatatccc 240
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<210> 1031
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1031
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 cctctggaga gcacaacgca tggaaaggctc tggaaagctct gtgtagccat tccttctgca 180
 gtcacacctac ccaagtaaaa gtaaccttgg ctatgttacc accgttttgg tcaccagga 240
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<210> 1032
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1032
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 atttaagtgg ccagttcaat gtcctttggc tatatttgac ctaccttaa aacctagccc 120
 atttcatac agcctcttct gtgcctgggc ttgaaatgct taaagctgcc ttcgtgtctg 180
 ggattacacc atgtaggta gtataaagag ggcagtcact cctccatttc tccagcgtg 240
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<210> 1033
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1033
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 gtcactccat gttctctgtt acagtaagga ccagccaagc ttcagctgtc ccattcctcc 180

ccctacaaca cacacacctt tcaggcaggg aggagatgag cttccagccc caagagtgga 240
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<210> 1034
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1034
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gaagcaggct tgttgggcat cagtgaatat catgctaaga gttccgtagt tcaaggagac 180
ctagaataag ggggaaagca ctttgtgaat tgcccaagtt attgcctagg gatatgcata 240
ttgggagccc tgaggagtgg ccaaggcacc acagaacaga gactcacact cagtacctga 300

<210> 1035
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1035
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tttacggaaa acagagcgta tttgtgaagg cttgtgatgc attatagcta ttgccattcc 120
ccaaaagcaa aaacaaagtt gcttttaggt tgttctgtgg catttctggt gggactaac 180
aaagaaatca cctgttaagc ctgataatga ctgtttgcaa aatttattat aagagaaaag 240
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<210> 1036
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1036
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aaaatgatat tgcctagggt cttgttgcaa aataccacat aatgaaatcc ttctgtttgc 180
atgattaact gggtagaat atcatcttcc cttttgggcc gtagaaatgt attattcact 240
actccattct tgaggtttgt tttttaattt ttttgagac agtctcactc tgttgcccag 300

<210> 1037
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1037
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gaaacaaggg gttgagacaa aacactctga gaaggtttcc tgggaacaaa agacctccaa 240
gctgactttg cttcataact cattggctca aactgagcta tatgcccata cttagagcaa 300

<210> 1038
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1038
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 aattaggcat ctttttgtgt gattatttgg taaatgtcca tatcccctac tagcctataa 180
 gctccatgac ttctaggtac cctgtctgac tacgtgtatc actgtttcta ccgcctaaca 240
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<210> 1039
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1039
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 gggaagcaca atttcattagt taatagttgg gggcaggagc ttaagttata attgcagctc 180
 cactaattct tagaatgaat atagattgaa gtcttggggg ttttggcatg atttgtgaga 240
 tgaaattatg tgatagcaga aggaaggcct cctgcacttc atgtttacag tagagtccta 300

<210> 1040
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 1040
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 gggctgttta ggac 134

<210> 1041
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1041
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 aggtttgctc cttcttcagt gcaacccttt gccagacat ccctaattgc cccagctcag 180
 agcagcagtt ggcaggcagg agctttgcag ttagccatcg gagagcccca cagacagggg 240
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<210> 1042
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1042
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 attgggaatc atggtattct cagagctttg gtttacattt ttccttgaga gaagaacagt 120
 ggcaagaaga ctgggcattt atactctctc ttgctagtca gcctggagca agcttggagc 180
 agacgcacat ttttgtactg gcacatattc ttagacyacc aattatagtt tatggagtaa 240
 aatattacaa gagtttccgg ggagaaactt taggatatac tcggtttcaa ggtgtttatc 300

<210> 1043
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1043

ggtagaagaa gaaatgatta cgaaaatcct ggataagcca gctccctttc aaggggatca	60
gtgtcctcag tccccacccc ccacctaaaa agcagggtccc attcagccca gccagtcac	120
ccctgcagtt ccatccagga cctacagggtg tcgccctccg catggcgagg cccggaaggg	180
cagctggctg caggaggcag aggagtctgg accgcctaac ctgagcatgt ggaaataata	240
tatgtcttca agtgaactgt ctggtcctgg agaaataaaa taggacattc ataagcagtt	300

<210> 1044

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1044

cccaaagtga aaagactgct gtcagatagc acttgccctc cccatattat tcagctactg	60
ctgacctttg accctatcct tgttgagaag gttgctattt tgttatacca tatcatgcaa	120
gataaccac agttaccccg cctttatctg agtggagtat ttttctttat catgatgtac	180
acagggtcca atgtgcttcc tgttgctoga tttttgaaat acacacatac caaacaggct	240
ttcaagtcag aagagacaaa aggacaagat atttttcaga gaagtatact tgggcacatt	300

<210> 1045

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1045

aaaagggtgaa tgcagaggcc tggcccagac ccagccctg tgtgtcaata caacttttca	60
cgttgttaca tacacatttt ccagtctgtg tctccctctg aaagaaaccc tgaaattcag	120
gttgctaata gattgttggt tgcaagtatg aaggacagag gaggtaagag aggaggcaac	180
ttgctaattgc aaaagcagtg tactgaaagt cacttttatt tcttatttat aatctacatg	240
cacactctgg ataatagatg acactgctca ttcagtactt taacttcaaa gcagagagaa	300

<210> 1046

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1046

gactgacaga ggtgccaaca tggcattctg tttttgaaaa gttacatgac actattaagt	60
attgaaaatg ttctaactag aaaaacgatt ttcttaatca tagtttttat tgtggggtgt	120
gtatgtaagt tttaacgtgc aaattaacat atagaagtca ctttgtgagg ttccatttaa	180
atgtatttct cagattttgc tgaatctgta atagccattg aaatatttaa gtaccttggc	240
tggtcctggc atcaataaac agatttttct tccctcctc atgccataca aaagttgaca	300

<210> 1047

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1047

cactctttta tattagggac ttgagcatct ggagagtgtg gtatctgagg gagttcctgg	60
aactaatgtg cagatgccaa gggacaactg tactattgta cttggaagta ctcattgggt	120
catattgcat tgtttctttg agtcctaatt ctgccaacat ggcttgggtg ttgcattaat	180
cagcttttcta atctctgagt aacaaggcac agtaacaagg agcagtaaca aggcacaagg	240
cttggcacct gagagtggag gtaccacagga ggcagacacc ataaggcggg aaatggacat	300

<210> 1048
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (229)
 <223> n = A,T,C or G

<400> 1048
 ccctcacact ctgccagget gccgggagct tgggccaggt ctaaggtaat gaggtgctcc 60
 tctatcctgc tggaaaaacc ggacagactc agaaccacaa aggcaggtgc tgccagcctg 120
 gcgccttctc ctctgcttag gctggaatga gcttgtacag gcctgtgcct caccnttct 180
 ntcttctagg ctcanngnat gcttaancng ggcnnngtnc acggcacct 229

<210> 1049
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (272)
 <223> n = A,T,C or G

<400> 1049
 cccagagaag agctttttcag agaaagggtac agacaagaag ctagaaagag tgggaaggagc 60
 agcagtcttg caaggaagca gggcagagac acagcccatg gccctcact gccctgctgg 120
 aagggctgat ggagctcccc gcagcatggt tcctgcctgg gtgacagagg ctctgtggc 180
 cacttttagaa gtgcgggttta ctctcatgc nganattgga cnttgggcat ntcagttctn 240
 nnagatgttg gtttgggcgt atntcttttn tt 272

<210> 1050
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1050
 ctgggtgacc cgaacacctt cctcatcacc acccatcact ccacctgctt cggagaccaa 60
 gatcatgtct ccgagaaaag cccttattcc tgtgagccag aagtcatccc aagcagaggc 120
 ttgctctgag tctagaaata gagtaaagag gaggctagac tcaagctgtc tggagagtgt 180
 gaaacaaaag tgtgtgaaga gttgtaactg tgtgactgag cttgatggcc aagttgaaaa 240
 tcttcatttg gatctgtgct gccttgctgg taaccaggaa gaccttagta aggactctct 300

<210> 1051
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1051
 atccttccca ctttgtatcg acaaccgggt tggccccggc gtctgagttc ttggtgtccg 60
 agtcgactcg aggcacaact agggtttggg gttccggata tcgcctaggc ccaacatcgg 120
 accgcgtctc cgatttctgc cgcgtcccg ccttaggacg cggagtccgt gtgcggttcc 180
 gtgaggctgg agggtagatc ttaaggatca acaaacagta ataatgactg aatgtacaag 240
 tcttcagttt gtcagccctt ttgcttttga ggcaatgcag aagggtggatg ttgtttgcct 300

<210> 1052
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1052
 attagtgata agtatatatg gacatctaag ggaacaaaga aactaacaaa agacaagaat 60
 tttcaagaag gaaaacaaag aaaaaaagggt aatcagggtg tggtacatag tttagctgct 120
 tatagttttt ctttggttct gctcatggaa acacaatgac tatcaatcta agtaagacta 180
 taatatatta gaaggatggg tgatgagaag tgtgaagtgt tgcaaaggta aatccttacc 240
 ttccgctatg aagtatcaat aagcaatgcc caaaaaaatg aactattaag aagtaactgt 300

<210> 1053
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1053
 acatctccaa gcagggaactt agtagttata ggtgggtctt aaggattctc cagtcagtct 60
 ttaaactgct ggcaccgaag cctccagtgc ctttctctc tatatcccat agagagttac 120
 tgaagtagtt ctttttggat ttcagttggc ctttttagtag agcctttctc cttaaaggatt 180
 aaaacgtgag actgcgggct tgagccaaaa agcagtcaga gggacaaata ctgggtttta 240
 cttagaataa cccacctgcc tagtgccagc ctaccactct tgaacaaaac ttgtatgatt 300

<210> 1054
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 1054
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 actaaaaata caaaaatttag ctgggtgtgg tggcgggtgc ttgtaatccc agttactcag 120
 gaggtgagg ctgcattatc gctttaacct ggggggcgga gggtgcagtg agcctngatg 180
 ggggcaataa naggcnaaact ttggctcaaa aannanaaaa taaatanncn atanaatatg 240
 cnaagcccct tntcttcng nnnctctcg g 271

<210> 1055
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1055
 gacacccagt ttaagggaca ttctgtacgg tgcttgaatg gcgctcctga aaactgtgca 60
 ggtcctcaag gctgaggaaa gcgtaaactg tcccagacca gggaggccaa ggaggcgga 120
 tgactcaatg tcatgtggtg ccctggatgg gatccaggga cgggaaaagg acacttgga 180
 aaaactggtg aagttcacgc aaagtgtccg ggtagttca gcatcagaag accaatgatg 240
 gtttcttggt tgtgacgaaa atgttccatg gtctgaaagg tgtcaacacc aagggaagct 300

<210> 1056
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1056

gctacgtggg	aggctgaggc	aggagaatct	cttgaacctt	ggaggcagag	gttgcaagtga	60
gccaaagattg	tgccagcctg	ggcgacaggg	tgaggctctt	gtctcaaaaa	aaaagtccac	120
atcttcatga	accctcagac	tctggagttg	gggtgcggct	tttttagcca	gcttttgttc	180
cgtttagtga	gaacctatta	aagaaggaaa	gtgggtaatg	gagtcaccagc	cactcaagag	240
actggatatc	ccccgagaat	ggcttgggtt	accagctatg	gacccttggg	agatgaatct	300

<210> 1057

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1057

tcccggttct	atggcattct	cctgcctcag	cctccagagc	aactgggaca	acaggcgccc	60
gtcaccacgc	ccagctaatt	ttttgtattt	ttagtagaga	cggtgtttca	ccgtgttagc	120
caggatggtc	tcgatctcct	gaccttgaat	cacaagagtc	ttaacaggga	atgtttcagg	180
aaacaaatag	gataagacaa	tgccagagga	aggatagaaa	catgggaagt	ttctatcatt	240
tcattttctg	cgtttccagc	atgcccttgg	aaaagactcc	ctttagtccc	tttttcaatt	300

<210> 1058

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1058

gagaaccccc	tcaacccctt	cctcctccct	ctggggatga	agtgggagta	tttggctccc	60
cattttttgac	aaaagggctc	agtgcaggga	ggtggaggcc	tctgaggttt	gaagggctct	120
gtgagttaga	gttgtcatat	gttctcctgg	ttcttgaatt	tgacagcagg	cctgaaaagg	180
aaggtctctg	tggccctctg	ccttcctgac	cttctctctc	cttccctccc	ctctcttttc	240
ttgccaaagt	tgttttggtt	tctgagcagc	ccagagagga	ggaggggttc	tccccaggga	300

<210> 1059

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1059

ctgaaattga	agatgttggt	tctgatgagg	aagaagaaaa	gaaggatggt	gacaagaaaa	60
agaagaaaaa	gaagcaatat	ataaagaacg	ttggccagat	tatgtaaggg	aactgcgaag	120
aaggtattct	gcaagtactg	tagatgttat	agaaatgatg	gaggatgata	aagttgatct	180
gaatttgatt	gttgccctca	tccgatacat	tgttttgtaa	gaagaggatg	gtgcgatact	240
ggtctttctg	ccaggctggg	acaatatcag	cactttacat	gatctcttga	tgtcacaagt	300

<210> 1060

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1060

cccgaagca	tccaggatgt	gggaacattg	tgacatttgc	acaattttta	tttattgctg	60
tggaaaggctt	cctctttgaa	gctgatttgg	gaagggaagc	accagctatc	ccaataaggg	120
ttctctaatt	gccaatatga	ttctaggaat	tatcattttg	aagaaaagat	acagtatatt	180
caaatatacc	tccattgccc	tggtgtctgt	ggggatattt	atttgacttt	ttatgtcagc	240
aaagcaggtg	acttcccagt	ccagcttgag	tgagaatgat	ggattccagg	catttgtgtg	300

<210> 1061
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1061
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 ccagtgcgcc attgtgtggg cgtcctcatg gggatatccat tcttctagga agatcctggg 120
 gctgtttcca gttcgaagcc attattaata aagctgcaag gaagaaatat ttttatggat 180
 gtgtgttttt atatctctga taaatatatt caactggaat cattgggtgt attgggccat 240
 tctccattg ccaaaaagaa atacctggcc aggcgcagtg gctcacacct gcaatctcag 300

<210> 1062
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1062
 gcatagtgtg aagttaagg tgaagagaga gataggggaa aacaggtgga ataattattga 60
 aaattggatc aagaatatag gtgtaggcgt tagccatttt atcctgggag aaggaggaggaa 120
 atgaaataaa aacaggaata gatagacgtt ttgaggcgaa aggaatgaat ccagcatgct 180
 ctgttttagtg atgtagatga gatcacctgg gaaggcatga atgggcgggc tgagtggggg 240
 agtgacttca gaacagtaat aaggggttgaa aagcactgct gtgtgagggg gaaggaaatgt 300

<210> 1063
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1063
 atccgcctcc cgggttcctg gcattctcct gcctcagcct ccagagcaac tgggacaaca 60
 ggcgcctcgc accacgccca gctaattttt tgtattttta gtagagacgg ggtttcaccg 120
 tgtagccag gatggtctcg atctcctgac cttgaatcac aagagtctta acaggggaatg 180
 tttcaggaaa caaataggat aagacaatgc cagaggaagg atagaaacat gggaggtttc 240
 tatcatttca ttttctgcgt ttccagcatg cccttggaag agactccctt tagtcccttt 300

<210> 1064
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1064
 gatgcatgaa ttactgcatt aaaattgatt tatgggaatt attgttgttt cagtagcatt 60
 tcaattcagt tgccaaatag agcagtgggc aatgttaacg gaaacaactg caattggcgc 120
 agtatggagt gcctatcgca ctaggaaatc tgagggtcac aaaagaaagg agatgtgagg 180
 ataagaaact ttgtttttcc cttgttgagg actctttagg cctcggtttc tggtagacgc 240
 cccagggatc atcaggcccg gaggaaatgt gactattggg gtggagcttc tggaacactg 300

<210> 1065
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1065
 ccttggtaaa aacatatgtg cttttccact gctaacttca gaccacact ttgcccgcac 60
 ttctgcagat cataccccta gccaggagc ctcccgcaga cttcagagcc tgctgtcctc 120

accagcgccc ccacatggcc ggtctgagag caagtggaga gtcacagtca cagtcacagt	180
gccccaacgcc tccacctggt cctgacgggt ccccagggga caccatataa ccttagtcat	240
gtctcattgc cggaggaat ctccccag ataggaataa ccttgtaaaa aagatttgtg	300

<210> 1066

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1066

cagagctggg gcatggcatg tctcaggaag ccatgcttgt cacagaggaa tcaactccgag	60
gctaaaggaa catctgggca atcctacttg tgtactcatt ggattcattc agtgaccttg	120
ttattatcct tctagctaaa tgctctgggt ctttaattcac gactccaagg ttgctcttga	180
ttttaaggaa cattttggca gaatagagag aagttgagca aatattaaca gatgtccaaa	240
ggggcagtggt gatttattat gtcaagagaa tcagttttat gtcgagggaa gaatttttgt	300

<210> 1067

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1067

aagaaaccag tagctagctg ctattttatat ggtgaggggg tgctgcctgg taacagaata	60
gtccacacc acagcttgag attttgttta gtttcaactgt gtgagctttc ataaagtctg	120
ttgccattcc atctctgtgt taacacttca tattttttatg aaattcagat aatttgtgag	180
aggctggcat ggatctaagg atttattatt tttattctag tccatcagtt cagtcgcagt	240
ttttatacta ggactttagg atgtacataa atgtgtgact gtttgtcttg attaaaagtg	300

<210> 1068

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1068

aaaacatcag ggaagctggt tgatagcagt gatgatgacg aatctgattc tgaagatgac	60
agtaaatagg tcaaaattaa acctcagttt gagggcagag ctggacagaa ggtagtgaa	120
gactgaaaat aattgactt gcagcatgtc cttatttttt gacatagtcc ttaaactctg	180
gtaaatgcag gcagacctta acctacatta tagcatcggg gtgtttattt ggagagttag	240
tcttctgtga tcctctctga ttgggtcata agtagatgga ggtaggcaaa catcttaatg	300

<210> 1069

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1069

ctcctatatt cctgtcctgt agtggcctta agaaatgttc acatttgcaa gctgcaccag	60
acaccatcag atctggttct ctccctgggg cccaaggatg ctcttctttt tcatctttta	120
ttttgatcat ggaggtgttt tcacagagt tatccccagt agtaaattac attccaattc	180
tgtgagtcag aacaacgttt taacatgcac accaacgtcc ggggtgctgt tttgctacca	240
gttttgccctg ggggtgcaggt atttttggag atgggtctaa aacatctcaa aaccacatga	300

<210> 1070

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1070

gtttcactgt gcggtgcagt gcggcggcag ctctgtagga ggacccgtac attgacacca	60
ccctgaaggc ttgcccacct gtcagtatgg atgtctgtgc ttttaagaata cagcttttca	120
taggcttgaa agccatctgt cactttaaaa accacatcat acttttgact aaagcagaac	180
ctgaagccat tccagagaga agacagtcac ccaagaggct tctgtaagca tccccttgcc	240
ccaggcattc ctgccagttt ctggaatgag ttgtaactgg tatattttgt gtttatcttt	300

<210> 1071

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1071

ggaaaaactgc taaattaaaa tactacattt tacggaaact gtggagctgc ctcttgata	60
gaatgttagg tctgtttttg ttgtctcttg cctatgtctc ttgacttgca gtttcttttg	120
tttcaaatac ctctgccctc gtatatactt tggtagact acttttggtg aagcactctc	180
caatagaaga acataatg	198

<210> 1072

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1072

gccttttgtg ggggtctcata cataactcag tttccacaaa gctgtgcccc agctcagccc	60
tatggataga agcatggtct ggggttcctt tgctgaccag ggtgtgtgct ttgtccaagt	120
tactgacctt cccaaacctc atcaatgcac ataaaaagag cacttgcaaa caatgaatct	180
agacatggac cttcacaaag aaataactca aaatggatcc caggcctaaa tgaaaaatga	240
aaaactataa aactcctaga agataacata aaagaagatc tagatgacct agggtttggc	300

<210> 1073

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1073

ccagaactgg agcgtctca gtaccccatg gagtggggca agacttttct ggcctttctt	60
tatgcacttt cctgtttcgt tctcaccaca gtgatgatct cggtcgtcca cgaacgagta	120
cctcctaagg aggtgcagcc tccactaccg gacacatttt ttgaccattt taaccgggtg	180
cagtgggcct tttctatttg tgaaattaat ggcattgatc ttgtaggact ctggttaatt	240
cagtggctgc tcttaaaata caacatgccc agggattgtc tatttccctc ctctcaacaa	300

<210> 1074

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1074

gttaggcccc ggggtaattt gtttgagag atggcccagc tggcagtagg aggaccagag	60
aaagatacca tctgtgaact gtgtggggag tcacatccat acccggtgac ctatcacatg	120
agacaagctc acccaggttg tggccgatat gctggtggac aaggttacaa tagcattggg	180
catttttgtg gaggatgggc tggtaactgt ggtgatgggt gcataggagg aagcacttgg	240
tatctggtat gtgatcgctg tagagaaaaa tacctccgcg aaaaacaggc tgctgcaagg	300

<210> 1075

<211> 300

<212> DNA
<213> Homo sapiens

<400> 1075
ggcaccacca agatgttttc ttcttaatta ttcctaaata cttttatgtg ttggcattaa 60
attgtaactt tataggctcc cctattcttt ttgctttttt ttccccctga aattactgag 120
caacaagatt cctgttctct ccccttcaag gctttgtttt ctggaacttg acattctcaa 180
atcattgccca gttattttta gtacgtgatt agtctccctt cctcaggat gttttcccca 240
atttggattg aatctactgt ttgcactctg ttcccatcc caccttcata cagattgtat 300

<210> 1076
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1076
tgctaattca gccctaaacc ccatacctcta caacatgaca ctgtgcagga atgagtggaa 60
gaaaattttt tgctgcttct gggtcccaga aaaggagacc attttaacag acacatctgt 120
caaaagaaat gactgtcga ttatttctgg ctaattttt tttatagccg agtttctcac 180
acctggcgag ctgtggcatg cttttaaaca gagttcattt ccagtaccct ccacagtgac 240
accctgcttt aagaaaatga acctatgcaa atagacatcc acagcgctcg taaattaagg 300

<210> 1077
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1077
taagtgggct aagaccagaa gagagactta ttcgcttaag tagaaacatg tgccttttat 60
taactgcagt cctgcatttt atccatggaa tgacagacc tgtattaatg tctctcagt 120
cctctcatgt gtcacttttt cgtagacatt ttcctgtgct gtttgtctct gcttgccgtg 180
ttattcttcc tgtcttactc agttatgttc tttggcatca ctatgacta aatacatggg 240
tgtttgcagt tacagcattt tgtgtggaac tgtgcttaaa agtaattgtt tctctcactg 300

<210> 1078
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1078
gtcagatgtt tctggggacg ttgagctgca gtgaagtga aggggcagag ggggcttttg 60
aagtcaacaag gtcagggaga ggagaagaag cgtgctggat gattcacact gtaggactca 120
agccagtagg ttcttggttag cccggctact gacctggagc caggcactga tagcaacgtg 180
tcctctgagg gaaggcaaat gggaaatcca agcaggcact gggatctgcc tgtgacactc 240
ttgtggggcc tgggtccctcg acctaatgta gcttggggcca ctcagagcca cccaggtgc 300

<210> 1079
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1079
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agccatatca ttagtgacct tcggcagaaa gaaaagaata aagcgttggc ttctgatttt 120
cctcacattt ctgcttgctc acatgagaca ggcaaatgta cactggggac caccatgttc 180
acgtgacatc aagaggaagc ggaaaccagt ggccacagca tctttgtcta gcccagtgac 240

aggtggtaga aggacagccc ccctgccctg agacaacact cggaggcctg tattccagcg 300

<210> 1080
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1080
atagttttat gggttctgag ttggtgacca gtaagttgca tgtagtgtcg gcacttactt 60
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ctaagattgt aattgatatt atctgagagg tagtgtgaca actttctttt gttgttacat 180
taagccgaaa acataatact aatagacaac taacagtttg cttatcaggc acatcaacta 240
aggcacctcc ccccatgcta agtttctcct ggatataatg aagttgattg tttcccagtt 300

<210> 1081
<211> 241
<212> DNA
<213> Homo sapiens

<400> 1081
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cagttgtctg ttttacgttt ccacgcgtga tcttgacctt gctagcctga agtgtatggg 120
ttctcttagc cagtttctaat ttttgttcag gtggaagatg gatgcctgaa gtgtagactg 180
ctgctagctg aataccatct gggagcataa aggtgacctg aaggtagggg gatatgtctt 240
a 241

<210> 1082
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1082
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tcctgattgg ggttgggagtg ggtgggggca tcccctgtgg cctcagcaat ccagccctgc 120
gcatctgggt cccattacac agacgtagac attgaggtct agttagaagg acttgccagg 180
agtcctgtaa tagagcttgg cacttgggtc tcttgactct cagggactgg gtgtgagggg 240
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<210> 1083
<211> 240
<212> DNA
<213> Homo sapiens

<400> 1083
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actgcccgcc ttcacgctgt cccacctgga gagccaccgt gacggccagc gcagcagcat 120
catggacgtg cggccccggg tggattctaa gacctgacc cgtaacacga ggatcattgc 180
agaggccctg actcgagtca tctacaacct gacagagaag gggacactcc cagacatgcc 240

<210> 1084
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1084
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ataaaaaaga	caaagacagt	ggtaggatca	gctattatgt	cagtacatga	aaggaacccc	180
ctatctcaat	caaatggta	aaggaagctt	gtctcaaata	acagcagaga	aactcagttt	240
accagactat	aaaagttctt	tggtcaagaa	gataaagagc	tctccagaat	aagaatacct	300

<210> 1085

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1085

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acaagtcaag	agaagcaaaa	gtgaaaagca	aaccaggac	tgttccattt	ttgccaaagt	180
actctgctgg	attagaatta	cttagcaggt	atgaggatac	atgggctgca	cttcacagaa	240
gagccaaaga	ctgtgcaagt	gctggagagc	tggtggatag	cgaggtggtc	atgctttctg	300

<210> 1086

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1086

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tccagttata	tgctaccctg	tacaggttga	taggttgcaa	atgctttctg	tccagtgtat	120
cgctttgtag	ctcactaagc	agttttgtat	ccaactttgt	gcttttattt	cagtgttttt	180
ctttttcttt	ctttcttttt	tttttttt				208

<210> 1087

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1087

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ctaagacgat	aagaatatca	gtttaagtcc	tgttacagtt	gttttcatga	agcttgtaag	120
attgatattt	aagtggacaa	agtgggaagt	agtcagtttt	cagggctaca	ggggtcatca	180
ctttgtgctc	agagtacagc	tgga				205

<210> 1088

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1088

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ccagggcacc	caaacctccc	ttccctttcg	tgctgaaggg	agtgaggagt	gaattaagga	180
agagagcaag	tgagtgtgtg	tccctggagg	ggttgggccc	cctctggtgt	taccacctcg	240
agacttgtct	catgcctcca	tgcttgccga	tgaggagacag	actgcaggaa	cttgggccat	300

<210> 1089

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1089

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agaagccagg ccaagcctgg ataattgcag ctggatgacc ctggcccgaa agtcacagtt	180
cagttgcctt attcctagtt caggcttact atctagaacc tcatgctagc ttaggttgca	240
tgtttacatt gctgcagtgt ctttactgga agcttagttg gatcgaaatg gacaccgaga	300

<210> 1090

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1090

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agaatgagca tgatgggaaa agggagaaat tgtatgctgc agatagaggg aggaaaggcc	120
aactagggtcc aacaagtata aagaggacta gtctcaaact attaaatata tgatttacct	180
agcaaaagct ttaagtcaca gctgaattac actggggaaa caattacaga ctttacaatg	240
gaaagaagca tcttcaatgt tggctgcaat cactgacagc aggaatactc actttttgaaa	300

<210> 1091

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1091

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ccgagtcaga tctttgtcca gtgttctgaa gatcaaagtc cgtgcccttt tgcaatataa	120
caccagctgc ttttagtcca cagcctctga catgcgattt gaagacacgt tttatggagc	180
agacattatc caaggggaga gaaagagaca aagagtgtct agctccaggt ttaagaatga	240
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<210> 1092

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1092

gttgccaagg attctattgc catgtgttga ggagtaggag caaggagata gagcaggacc	60
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agttatcata catgcgataa gtccacacacc agcacatgaa aagattagaa gaacaagaga	180
aggggaagaaa cctactgacc tgtttcaggg tgggatgtct cataaagagg ataacagtta	240
agccactaac agtaatgcct ctaatcttga atctgttacc tactagtttt gtgtccctgg	300

<210> 1093

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1093

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aagccaagtc ctaacagctg cagcgggcat tgattggaac actgactcct aaaaatttta	120
tgcgtatatt ctctcattta tttccataga aggtgaggtt aaattactcg ctgaagttcg	180
cacatttagt aaatggagat ctgggatgca aatccgctat gcctgaccgt aaagcctagt	240
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<210> 1094

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1094
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 tgggagtgtt tgtccgtggg ccctcagggtg ccgctgtgac ctcttcccc tagaagctga 120
 cacactgagt cctcttagcg ctctcctgtg atggggaagc cgggagagaa tgggccctga 180
 aaatcagaac tagaacatag aatcctctct atcttcttca acagaaccgc caaagctatc 240
 aagaaaatgc atcccacat attgcacatc tgaaaattgt ctttcttgct ttctgatagt 300

<210> 1095
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1095
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 ccgtaagtcc ccgttttgtg tgtggtgagt ggaaactcca tgttcttcgt tggagacctc 120
 tggctctccc ttcccttctt tgtgccgtcg tctctgcggc cagccctaata ctcttctcgt 180
 tggcttctcc gtctctgacc ccaaataaggc cttaagggcg tgggagaaat gagtttctgg 240
 agctggaaaa gccactgcct tctgcacggg cctgagaagc cttggctgg tgtaaatgat 300

<210> 1096
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1096
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 agattgtatg tctcctatgt ttctctttca tgccaaagaa actcaccctt tttaaaagcc 120
 agcaggttgc acaaaccaaa aacaaaatat ttgcccctt aaataggcat tttaagaagt 180
 tttatttctc ggtacttaaa tattgtgtag agggaaagct agttgtaata atttgtaaaa 240
 atgcgtgtat ttttaggaat gcgctatttc cagtaaggga agtattgaca tttttaagga 300

<210> 1097
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1097
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 ttttgagttt ttcacagtct gtcttaactc agcaagataa cttgggactt cagaaacagt 120
 tggatctaca aagagaagt ctgcattata gccagaaagc ccaggaaaaa ttgcttgtag 180
 agagacaaac agcattgcag cagcagatac agaaacatga agagactttg aaggatttct 240
 ttaaagacag tcagataagt aagcccacag ttgaaaatga tttaaaaacc cagaagatgg 300

<210> 1098
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1098
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 ataatacagt ttcatacaga attaccttaa aaggaggtct tatgttttca actacagata 120
 gttgtaaggg atcatacaga agatattgat gatagttgaa atattcttag aagggtgtg 180

tatgtctagc tgtgtctacc atgtgtatgt attcttgaca agcagtataa aatacctgtg	240
atttttcttt acattagggga taatgcataa ggaattaatc ttcatatata ttatcatccc	300

<210> 1099

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1099

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ctctacctgg aaaactctta cagaaaaaca ttattgaata ccctcttagt ttcagagttt	120
ccagtcctcat ttctccttaa atctattcac caaaacacca ccagtttccc ctaccacaaa	180
cacacacata agtacacact cacctatttt caccttctct tccacttcca cctttgtgtt	240
gaacctgatt aaactctgat acttttaact ccaaaatatg ctatgctctt attaacaact	300

<210> 1100

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1100

gtctcgagtt tgttgttttt tgtaatccgt tttagagtga attaaactca gacatccctg	60
gattgtatgc tgtctgtaga atgttgattt tcaggcacgg ggatgtagct gtagaatgtg	120
gcttgttcat tcttcctgat aagaaattga tctcctgaat ggattggcca tttggtaatt	180
tcttagtgaa aggctgactc ttgaatatgg ctgttataat ataaattctt accaacataa	240
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<210> 1101

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1101

attgaatttt ctgataattg aagcttatta attgtctaaa attatcttaa gatattctct	60
gatgtacatc attttaaat gagttgcaca catttctatt ctgtttcaac atattcaata	120
taatcttcgc tcttgttcat ctgttggtat tcattatata attcagacgt ggtctcaggt	180
ctggagacat gtgaagttat tgctcctaca ctgagtgttt ccatgtcatt atgccttaat	240
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<210> 1102

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1102

cacaagaaat gaaattaaaa aataaatcaa gcagccatat gctcaacttc attggaccac	60
tgcaatcctg gtgacatatt gagggctgaa gaaaccatt gcatatagtc ctctgtcac	120
tgagatatg tgtggtaaga aagagaaatg gccacgttgcc aatagcagtg ggaagcaaat	180
gcagaaagca cccaggaag gggaagatct aggtgacaga ggccatctag tcttttgat	240
tcactctggt ctggcacaca gagaatggag cttttgtggc aataatttct ctactgatgt	300

<210> 1103

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1103

agggtgttgaa attacagaag ggaccatttc tggcaacaca gcagaccaga tatectataa	60
aagtcttcca ttacagaaca cctacacatc aggagctcaa aaacagatat attctttaa	120
tgtctagcca acattttgga aaagtgtggg aaatccctca gggccaaaac cagagggagt	180
tggaaccag agtgataagc agacactgaa ggcaaggcca acctcagggc ttggctcaat	240
attctagaac ttacccttg ttctcaagtc tccgtgtgga caggggatga gggttacctg	300

<210> 1104

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1104

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tgcctggtac accccagagg tatgcatgtg cctaggagac ggtaggttac tctgagttat	120
gaggagctgg ggtgatgatt ttaagtattc ttgttctggg aatggagggg atattctcca	180
ttttgtgaaa ttcttggaact ataggttaca ttccatttta agctatcacc cctcagcatc	240
accaccatac ttgactaagg tgggactgtt tgcatagggt aattttggga tgggggaaag	300

<210> 1105

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1105

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ccataggggt tagggatttt tgctgtgtgt tcaaatagaa catgaaagaa gcctttttaa	180
agtatttctg tgcctattca cagtcacctt aattttatta cagtttttac gttggtttaa	240
agagtatttt ggtttgattt atatggaaaa cttctttttt aacattatag taacatagat	300

<210> 1106

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1106

ggctgataga gtgctagcca ccacctctg tccctccac agcccagggtg tcaaagtctt	60
ttctcagctc ccaagagtcg aatgaaggaa gagcctgtct ccacctttca gagaggactg	120
aggcctgtcc ccagcccccac ccagggtctc ctgggaagac cagcccttcc aactaccaac	180
cggttccttt tcccagctctg agccacagga agagcctagc ggggaatgtc atgaatcgac	240
ctccatcctg agctctccag gcctgggaca atggaaagtg gatagggggc tgtcttccca	300

<210> 1107

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1107

gagccggcgt ggaccaggg ctgagctgtg accacgaggg ccatcccgac gagccgccat	60
ggaccaggg ctgagctgtg accatgaggg ctatcccgac gagctgccgt ggaccaggg	120
ctgagccgtg accatgaggg ccatcccgaa actgtgattg ttttctgatg aagaaacaa	180
ggctttgtga ctaactcaac ccctcaagaa ggacaaaact agcatcagag ccccttgctt	240
ctgggtctgg caagaatgcc tcttgtttgc tgagaggtcc acagatttac ccggctcaag	300

<210> 1108

<211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 1108
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 ccaggcagtc atggggccctg aggccctcc tgcctggccc tgctcccag tggggagggtg 120
 actgcgtttc ccagagtgtg agccgctctc ctccccetaa aaagctgact cactgtgagt 180
 gaccttgggc aagntnccaa ancttnttga gccttagntt ncnctcttg aaaaaatggg 240
 gccanctctt gccannagta cagggtgccc natgcccntn tctctncatg cnccatcca 299

<210> 1109
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1109
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 ggcagtgtgtg gaaacccagg ccttcagccc tccaaagcct ggggccaccc cctgtagcag 180
 gcgatgtctag aataaggagg agagccagag ctgaggctcc ttgccccttg gccccttcag 240
 gggccatggg atctctgtct cccacacccc tgtcacggnc cgcttganc ancccatagg 300

<210> 1110
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1110
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 agcacgtgga cacgggaaac tcttaccttt gtgggtactt gaagattaaa ggccttactg 120
 aggagtatcc aacccttaca accttcttcg aaggagaaat aatcagcaaa aaacaccctt 180
 tcttaactcg caagtgggat gcagatgaag atgttgatcg gaaacactgg ggcaagtttc 240
 tggcttttta tcagtatgca aaatcattta actcagatga ctttgattat gaagagctga 300

<210> 1111
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1111
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 tagtcaacta tatgctgttg actgcagagc tgtatcttca gaggagtgtg gaagctacag 120
 taggggagat cactcatgct aggtatggat ctcttaccc ttggcctctg aatcatattt 180
 atggcctatc agaggcaggg ggaagtcaaa cgtaagatta aagctattgg atggggaaag 240
 aagactctgg accaagtctt agaggatgta gaccagcgct gtctagctct ctctcagaga 300

<210> 1112
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1112
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 tctagtgagt gtgtgtgatt actagcttca tgaatacctg acccctccac tctgaaggag 180
 gaacaggcct gtctggatca cttctctgtc cctaactgag cccatctcat ttagggaaac 240
 tacagagcac tgttgctttt tttttagatg gagtctcgtt ctgtcgtcca ggctggagtg 300

<210> 1113
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 1113
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 agttcatgtc atgattacca ggaagttcag gccagaatga atccctagag aagccaggcc 120
 aagcctggat aattgcagct ggatgaccct ggcccgaatg tcacagttca gttgccttat 180
 tcctagttca ggcttactat ctagaacctc atgctagctt aggttgcatg tttacattgc 240
 tgcattgagtc tttactggaa gcttagttgg atcgaaatgg ac 282

<210> 1114
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1114
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 agctctccct cactctttga ggcagggttaa agggtaacggc catgaccacc accttaatcc 120
 ttcagggaact atttcaaaaa gattgaaaaa tgtgccaggc gcccgtaacct gccctctgt 180
 ggaactagcc caactcaagt gggctggcag gcaagcctgg ctttcatggg gacagaagag 240
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<210> 1115
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 1115
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 cagttaccca actgtgtcaa ccgagatctg atagacaagg cagcaatgga tttttgcatg 120
 aacatgaaca caaaagcaaa caggaagaag 150

<210> 1116
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1116
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 ggtttgccgg cagcttaggc cagagcataa agtaaaaagg aaaagtgttc acagacaatg 180
 aaaactggga ccaagtgggt aatactcaag gcacacagac caggcaagga tcccagtggc 240

cgtggatgag tctcaggctg gctctgggcc agtggaacac acctcagtgt ggggtgaaggc 300

<210> 1117

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1117

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ccagctgtat cccccccagg tgtacctgcc atccttccat tgcgcaaatg tggaaactga	180
gcctgggggt aggggtgagc ccttttgagc agcaggtggt gtctggggcc tgggacctgt	240
aaacaaatcc tcattactcc cagcctggtc tctgtgcttg atgttttagta ctagaagtca	300

<210> 1118

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1118

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gtgtccatca ttttcgtaag tcttagtatg cagagaatct cagatagcaa agcagaaagg	120
atgatgtcac agacgccttg ggtacccagc acctggatgc agctgtttgt acacacatac	180
tttctgatat tatgttgaca gtgacttaca ccaattcaac ctccaggcagg attctatcag	240
tttctttact acagattgat ttgtttcttt aataattatt gtaattactg tcagtaaaaa	300

<210> 1119

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1119

gatagctatc tgacttctca actatgtaat aagcagatgt tgtaaattcct atgctgtagt	60
tcatgaatct atatgacatg tggggtcggg aacatagtag cctaccataa gtcagggtat	120
tcctactatt ctgcaacatg taaataacac tttgaacaga gcaagtggta aagattgctt	180
aatttttgca tgactatttt gataaatatg ttgagaagga ccagctcaaa ggaaaacctc	240
ttggtaactt ggcataagtt aaatgtttcc caagaaagtg cactcttccc aaataaagct	300

<210> 1120

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1120

tggaaaatat aaaaagtgc acttttaggca aatgtgatgg cctccgagct gaaatgaagg	60
aactggcaat ctttccaaag tggcagccaa ggccccactc cctgtcctac tcaatctctg	120
cagggaaaaa ctgtgggata ggatagcagc cagctgggga cacacagagg aacattcaac	180
aggaaggtcc cgcctaggga aaaggccaca gagcccaggc ctcttgccga ttcagggatc	240
cttgatata agtggattag aggagaggga ggaaagctat catttcagtg gtctccaaat	300

<210> 1121

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1121

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gcaagactga gggaggaggg aggtttgagc agctgtaatg ggtgaggga gagagtgggt      60
gggagaaagg agatttgaga agcatcgcta tgatccatga atctttgtag tcaagtttaa      120
gaaattcaag taaacagagt tattgtgaaa ttattatttt ttggttgcta ttctctctct      180
cctctccac tctgtctctt ttttttctt tgagatggga tcttgctctg tcgcctaggc      240
tggagtgcg cagtggtag atcatagctc actgcagcca atttttttt      290

```

```

<210> 1122
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1122
agggaggag ggggcaggac agtgtggaat ctctaggggtg tatgggtagg tagggggcac      60
agttagtctt aagtgggctt ttatgctaaa agcctctggg gatctctgtt ttgaaaaataa      120
agataggtgt cccctccttg ctgtcatcta gcccagacac tctgcttgct ctctggctgt      180
ctgctccctg ggaaggcttt aggaggacca cccaggacag gatgaccatg ctgccatctg      240
ctctggagct gggctcagc gcagagggac agtgactgtg gatggttgca gtctctgggt      300

```

```

<210> 1123
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (300)
<223> n = A,T,C or G

```

```

<400> 1123
cctccaccaa cccccagtc gtctgggatg gacaaccatt tggaggagct gagcctgccg      60
gtgcctacat cagacaggac cacatctagg acctcctcct cctcctcctc cgactcctcc      120
accaacctgc atagcccaaa tccaagtgat gatggagcag atacgccctt ggcacagtgc      180
gatgaagagg aggaaagggg tgatggagng gcagagcctg gagcctgcag ctagcagtgg      240
gccctgcct acagactgac cacgctggct attctccaca tgagaccaca ggcccagcca      300

```

```

<210> 1124
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1124
gggtgacttc ctgtgacctc caaaggaagt ctgagctctg ctagaatggg accaaagccc      60
agctccacct tgaacttggt tcatagcctt gcttcttgtt ccctctcctt agccgggcag      120
atgccttgct ctttgataaa ggcttctgt cactcctga gggctcttgt gctttttgca      180
gggtgatgcc attaccttta cgcgtgtgcc tcccgcaatt gctctgttca cacgctgtcc      240
gccatctgcc tgcaagggcc caggcagggt cttactcatc attatgtcat tgcttcaata      300

```

```

<210> 1125
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (287)
<223> n = A,T,C or G

```

<400> 1125

ggacagtggg cctggccccgt ggagctgcca cgcaggtgcc tgagggccag gtgccacgca	60
ggtgtctgag gaccaggtgc cacgcaggtg gtgggggtac agacaagatg ctgggatgtc	120
ccctgccccca tgggtcaagggt tgttctgcct gccntnttcc annctgann nacntacatg	180
gaatccctan anttnttnat ttttntgna nanantgngg ngttttatnt tttntntna	240
nnngntntnt taatgntntn nantattatc ntntatnnt ttttttt	287

<210> 1126

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1126

ccctgccctg ggtctggccg gcggaagctc tgtccaaggt ccacacacct ccaggtttac	60
gccaacatcc ttgtgccctc cccaccttct cttccaacgc attaggtgca ttgtttaatt	120
gaaatccaac caacaattgt gtgtcaaggc tgggttggtg cagtggctgg gcaaattaat	180
tttgggccag gatgggggtg ggttcagtg agggtaggga aaatgtcagg agtaggaagg	240
ttcggggggtt aagggaagggt aagggaagacc agaactggcc atcctctttt ataatccatt	300

<210> 1127

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1127

tataggcatg agccattgca cccagcccag gtttttaata agatgaaaaa aatgctgtta	60
taaaaagtga aaagaggcca ggtgtggtgg ctctgcctg tgggtcccagc tactccggag	120
gctgaggcag gaggatcatt tgagcccagg ctgcagtga gtggcacgat cacggctttc	180
tgcagccttg acttcctggg cggcagacgg agaccctggt ttttaaagaa aagaacagag	240
tacaaaattg tatatgctat ataatacaaa ctataataaa tgatctgtag ataaaatgag	300

<210> 1128

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1128

tgtggcccca agagtgggag gagtgggctg tcagtaggcc accaataaat atctgtgttt	60
tggtgacccc ccatatgcta ggatactgga gatgaggaac tggagaagggt gcttaaagag	120
cacatctgtc tggtagagga cacagagctg tccttcaagc atttgaacga tgttctcatt	180
tccctggaat cttctcctct ccaggctcac atctctagct cettcaatga ttctcttg	240
gacatcattt tagttctctt ccccaacctc gtctttttgc ttttaatgaa tgatcactga	300

<210> 1129

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1129

catccctgac agttggataa taggttccag gaagttcagt ggaaaattaa aacaaagcaa	60
catttatagc tgattgaact tgaaaagcca ttttggtgtt gaatggcaaa tatgtggact	120
tcagcattcc tggagcctga tgcacccgc tggatggccc tggtcctgtg tacatgatgg	180
cctggggact cagcagtggt cagggtactc tcctttagag ggtgctttga ggaaagaagt	240
ttgctgccac ttacagaagt ccccttccca tacagtgata taacacaagt accccatgct	300

<210> 1130

<211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(250)
 <223> n = A,T,C or G

<400> 1130
 gagatgctga aggaaattat agccagagga aatttttagac tgcagaatat aattggcaga 60
 aaaatgggcc tagaatgtgt agatattctc agcgatctct ttcgaagggg actcatacat 120
 gtcttagcaa ctattttagn ccattctcngt gacatggnc ttaattcacnc gtgtntaaag 180
 tgannacntc ttggaanatg gatnctanan gannatangg cngctttcta ctntnnnant 240
 nttnnngcta 250

<210> 1131
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1131
 attttcttcc ttatgaccac ttacagtggg tatttattgt acttgaccct tttatgccct 60
 agaatgctgt gaggggtacc atgttgaatt tgtgcagaag ctaaaagcac cagatgtgcc 120
 agagatgcaa tttgtgatta tgtttgcact ggattgtgat ttgaacagga cacttataac 180
 taatgagttc tttcttttga ggtggggaga gggttgtaaa tcaagacttc ataccctatc 240
 cttgtagctc ggaaattgag gtgtagctta ggctgatgcg gagagctgca gacagctgga 300

<210> 1132
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1132
 gttggagaaa tccaaagctg accaaaacat ggtccccacc ttttggagct tacagtctgt 60
 tctgggggaa agagattcag ccaaagtcaa gaaacactgg atgccagcta gattatctgt 120
 tctgtgcttt ggtgtctata agtacatatg tggatatggg ttcattttat ccctaaactt 180
 agtaccaaac cagcatttaa tatctaatta taaatctaatt ttggcctaaa ctttattatt 240
 gcacactgcc tgaacaaaac ctatttgtct ctatgtaaat tttttcctca tggaacaagg 300

<210> 1133
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1133
 ctccagcctg gggcgacaga gcaagactct gtctcaaata gataaataaa taaaaataca 60
 aaaaaaagaa actcaaggta cagtgggtgg agtcaaaaaa gcataaggag aaaaccaaga 120
 ctgaaaactg ttattgagct tagtctgtgc ctagtccagt ccctagcatt ttacaagttt 180
 tctctgagtt aacaaacttg tgggggaaac tgaggctttc agatgttgaa taacttgtgt 240
 aagttgtaga gcagggttctt ttccatagtt ccgcattttt tacctgcaat acagcaatgc 300

<210> 1134
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1134

gtgctgtctt	gcgcttgccg	gtggcctccc	aaacccctag	ggatacctgg	ggccagctgg	60
ggcagtctct	gtctcgacct	ccttttccat	ttctggctag	tttaccgatc	tgtttcatcc	120
ttagggccagc	tgatgacctt	ggccctctcc	tcccagatc	cctgcagctt	ccaacagtga	180
ggccctccag	cagtgaggct	gctgattttc	atggcctggc	tggagctggg	ggcccaggcc	240
aggagcagcc	ccaggcaaaa	atcacctccc	gctgctcttc	cctgccactc	agtacttttt	300

<210> 1135

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1135

gtaaaacatg	taatttggac	atgcaagaca	atgctgctgc	caactaacat	tgcattgatt	60
cattaagatg	ttatttttga	ggtgttcctg	gtctttcact	gacaattcca	acattcttta	120
cttacagtgg	accaatggat	aagtctatgc	atctataata	aactataaaa	aatgggagta	180
cccatgggta	ggatatagct	atgcctttat	ggtaagatt	agaatatatg	atccataaaa	240
atttaaagtg	agaggcatgg	ttagtgtgtg	atacaataaa	aagtaattgt	ttggtagttg	300

<210> 1136

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1136

gtctcgcttt	gtgacgtagc	ctgggtcttga	gcgatccctt	tgccttggcc	ttgccaaagt	60
gctgggattg	gaggcatgag	ccactgcacc	caccctgtt	ttttatttaa	gtaaaccatt	120
ataataactc	atttataaaa	aggttacttc	aagagggcct	tcaacttaag	aattattttc	180
atthttgaaca	tgaaaagtta	aatagtaact	aagaaaactga	gaactctgac	agtgacctct	240
aataggtaac	tttaggcaaa	agtagacaag	tttgtgggta	ttttgttgtt	catgttaaaa	300

<210> 1137

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1137

gtttatgaag	aagctgtttc	gtgtgtacag	ttgctgctgt	aatttagcca	gcagtgcctt	60
gccctgccct	gcagtgtctg	cacagctccc	actgcttctc	tttctgtttg	ggcacgtgag	120
gcattgacttg	gagggggggc	tggtgcctgg	ggacctgctg	aagagaatgc	tcaccaccag	180
ctctctgttt	ccctttctgc	tttggtaatc	aacacgtgtt	tgcctgcagt	ggccggggacc	240
gtgactgttt	ctgcccttgt	gcctagttaa	gagccttcaa	aagcataatg	aacacttttg	300

<210> 1138

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (297)

<223> n = A,T,C or G

<400> 1138

ctgagatcgg	ccactgcact	ccagcctggg	tgacagagtg	agactccgtg	tcaaaaaaaaa	60
aagtcnanaa	ctgtttgnct	tnattnaggc	agnaaatatt	nnanttcggn	atgacctgnc	120

atgnanccag taaggccttt acaaatnaca tccnaaacia atacanntca natgancaaa	180
ntanggccca aatgaaatga cntctnnntc tntgctatgg cngaaactna tnangacnta	240
tggaatcana gatagctaaa gttcattatt taaagctnta ctcccatgag nattatg	297

<210> 1139
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (289)
 <223> n = A,T,C or G

<400> 1139	
atccagtagg tcttggggaa catgggaatc tgcatttttt tttttttnac ngcnttgctg	60
ttcatcatca agnanttcag gncnctaggg gnaaaaaact tntttnaaaa tgagggagng	120
nttngcancn tnnngtnattt cnttttnaat ngaatnngtt nttntnaaat nccaggacca	180
agnnccaaag tcancagtaa aattcanctg ngtncttttt naacgacctg naaaataagt	240
ttatgaccnc tntnccgatn caaatngtnc aaaacccaaa nggccatat	289

<210> 1140
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1140	
gtatagcgcc tcatatgaac atgaattcat atgtattatt tcatttatct tcacaaccat	60
ccagagatga ggagatgaaa actctaagac ctcccagctt ccaaatagca gagccagtcc	120
tcaaatttat tgctagccc aaattctgtg cttcttcacc caggccacat tgcttccaca	180
tagtttccct tcagttgtaa gtagtagaaa agtaggactc cagaatcagt atccttacat	240
aaacagctca gtacatgaga ggcagttgtg agactggaaa atggatggga ctagactgtg	300

<210> 1141
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1141	
attattttaa agtcttattg aaactgaatt caaagggaaat gtactatgct cccaggaaaa	60
agacataatt gagagcctct tcctcttggg ttttcaacta tcatgagttc tggctcttcc	120
ttagcactgc tggttctggg tatccccag gcttctcagc tcagctgagg gtgtgagcca	180
tcgtatgttg gggactagct accagctaaa ggccacgttc tctgtgctgt ctagtacatg	240
agcaacagag ggaagaagtt gtgtaattgt aagaacttgt cacctttcat ctcttttagt	300

<210> 1142
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1142	
ctgatctcca gaccataag ggagatgctg agtagacaac tggggcttat gggctctggag	60
ttcagaggag agatcgggaa ggtgtccatt tggagtcac cagcagaga tgtgtgaagg	120
ctgtcfaatg attttgaggt ttaaagaaaa aaagagatgt gaaaccaggg gccctgatga	180
ggctgcccag gtggtgaagga agacagaaga gaagccatgg gacagctgag cccgggcacc	240
ctcaagcctt ggaggcatga agtttggtgg ggatctggca aagaacacct gggagcagcc	300

<210> 1143
 <211> 189
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(189)
 <223> n = A,T,C or G

 <400> 1143
 gaaacagaca aatctgtaat aacggcctaa ttctgtgtct gtgataagtt tcattactgc 60
 ccaataataa aaaatgtgta ataattatct aagccaattt gttcatttcc aacaatttct 120
 tttttttttt tcccnanacc cnnantttta aaaccctggn tnaanggttg aaaangggga 180
 nngggtccg 189

 <210> 1144
 <211> 300
 <212> DNA
 <213> Homo sapiens

 <400> 1144
 agcagctgca tctaggggcc cttggtgaga ttacactca gagcctgggc gcccccggtt 60
 agcccagatt caaaagggtga acatctgttt gcagaatctg attcatgaga aggtgagttt 120
 attgttttca gtttagactt ttgggaagtt ggactagaga ggggagttgt tggggtcagt 180
 gctggcttaa cagaaaacac agcgaatttc ccctccagtt ctccccaagt cactgaaca 240
 aggctagttc ctgcaccacc caggattcaa aggaaagacg aaggagcag aacttgtggc 300

 <210> 1145
 <211> 300
 <212> DNA
 <213> Homo sapiens

 <400> 1145
 gaataattaag ggtattcatg agaggcaagt gataggttac tagggatgga ttgtgtggga 60
 gaaataatgc agaggaaatg atgatcatct ccattgaatg acagctgtta tatagcaaag 120
 ataaatgtaa aattagtctt attcttgga gtggaagaca gcagttatca gagaggagaa 180
 ttaatacaaa agaatcagaa tagcatgggc acaggccaga ttcacattga agtatttact 240
 ctatatttta ctgctgttac attcaaaatg tatcagaagt ctcatgggtc aattaataga 300

 <210> 1146
 <211> 300
 <212> DNA
 <213> Homo sapiens

 <400> 1146
 gaacaaatca cttaaggaga aagtagaaaa aaagctgtat tttaacaaag aggtattcta 60
 atcggcaaga caatgaccaa ccattacgac caaccattat gagaatatag cttaggagcg 120
 tttgtgtcga gtcctcttt tacccaatgt caatgcctgc ctcatgttat tttcttctgg 180
 aggagagttt tgggatgcc atctttccgt tacggaaaac cagtggagga atgggcagtt 240
 tcttgccatg acccaccatc atttaaaca ttggtgtttg agttcagaaa taagctcata 300

 <210> 1147
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1147

cctgcctcag	cttttcaagt	agctaggact	acaggtatac	tctaccacat	gtaggctaga	60
ttattttctg	tagagaagag	gtcttggtaa	gttgccctagg	ctgggtctcaa	actcctggcc	120
tcaagtgatc	ctcctgcctt	ggccacccaa	agtgcctggga	tttttagtgt	gagctacagt	180
gcttggcctg	cataatttta	taacttatat	attcaccatt	ttacacattc	agagaaaagga	240
gttgtaacaa	gacactttat	aatatagact	aagtcatttt	attgacagtg	tcatgaaagc	300

<210> 1148

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1148

ctttgggatc	tttagatgaa	tggtatcata	cagatgtgta	ttattgctaa	ttctttgttc	60
tcaatcactt	gttttcaagg	acactaaaat	ccatgtagcc	cctaaaaaag	ataaataagg	120
gcaagtcact	tttcttcttc	cagtcacaga	ctaaagaaat	tatttcagat	aatatatagc	180
ccttcagcca	tgggagcagg	aagtgtttac	tgctcaagtc	agggtctcag	ttggtaaaat	240
aaacggaaac	ttctgggtta	gttttagggc	cttctttcaa	ataaaaactt	cattttctct	300

<210> 1149

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1149

gagaggaaga	agcagctgac	ataaacatgc	taagagggaa	acgtctaaaa	tgттаатgaa	60
tttatgaaga	ttaaatttgg	gaaatcatga	gaatttagaa	tttctcgaaa	cttcaaacat	120
gaggtagctc	agcactttct	taccagcctt	ttaacatggg	cctccactgg	gtgcatgtga	180
gaaagactgg	gatcagagaa	aagaacctga	caagctccac	cccctgtgtc	ngagggtgcag	240
gaatgcaaat	gagactacag	tattcaaatg	gtgctgctgg	agaacagaca	tgaaatccag	300

<210> 1150

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1150

agagggttgg	tgaaaattca	gacagaatgt	aacttgacaa	agagaagaca	gcaacaactg	60
taacaattat	cttatgaata	tttgcgaaac	tcaaagggat	ctgattgggtg	acctctgggc	120
tttatcaaat	taacatcaca	acttctagaa	gaaagtcaac	cttcatcttt	tacaatagaa	180
atcatatgtt	ttgctaaccc	attcctattt	aggctgaaaa	caattaagag	ttatgggtac	240
ttaaaaaaat	cattatgttt	ataaaattag	tgatagaagg	agcatagtgt	tcatacagtc	300

<210> 1151

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1151

ggttactccc	aggtagaccag	gtggcctgta	ggaaaccaag	ggctgctata	tgaccggagc	60
tggatggttg	tgaatcacia	tggtgtttgc	ctgagtcaga	agcaggaacc	ccggctctgc	120

ctgatccagc ccttcatcga cttgcggaaggatcatgg tcatcaaagc caaagggatg	180
gagcctatag aggtgcctct tgaggaaaat agtgaacgga ctcagattcg ccaaagcagg	240
gtctgtgctg acagagtaag tacttatgat tgtggagaaa aaatttcaag ctggttgtca	300

<210> 1152
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 1152	
agtgcaccca tgcgttttca cttgtttotta ggctacttca tccaataata tatttgagta	60
gttctgaaca ggaacacaag taaggagaat tttttttttt tttt	104

<210> 1153
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1153	
aaaaaaaggc ggtgggggga aattatctcc aaaaaacaaa aagtccgaca ataagcaata	60
agctgtccag ggctgataca gggcatgatg aggtcatcac agatccagggt tctttctgtc	120
ttctgctctg cattcgtagc ctgtggcttt gtcattccct catctggaaa tggcggctgc	180
agccccaggc acaatggccc gttgaggaag aagggggacg atgtgcagtg tcaggttatt	240
ttatcaggaa agttcaaagc ttctcagaaa tcttctgttg gaattctacc tgggtgtcat	300

<210> 1154
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1154	
gacaaaagaa aagtatcatg tagatttcaa ctggagacag tgactttaat cttctaagtt	60
cagagacaaa tttcactgca cttccttcag tgtttctgaa gcgtgagcat atttgctaaa	120
cagttgccta tctcatcatt gtgttaggct cctcatattt tccttaggga aatgctatgg	180
agagttcagg tcagaatatt gtgttgtaaa tgttgccaca gtaaatgcaa cccgggcctt	240
tactgttggt tcatctcaga tgaatatggt tctaaagtca tgataaacca acctcatgca	300

<210> 1155
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1155	
cccagctccg gggcatcagc ctgagtgcgc ttgagctgct ccaaacctgg cccttcccca	60
ctcctctagc atcgccacc gcattggcctt ggaactcccg cggcggcggg ggcgggcccg	120
tgcttgcctg gcccgactt cccacaccag ccgcgcccac cgcaggtggg actcaggttc	180
gccctctggg ccaggctcct caccaggagg gagctaccct tcgccagaag tttgtgagaa	240
tgtggcggcc cttttcctgc cctctgcccc atgtgggtgg ggggcctcgt ggcccgccg	300

<210> 1156
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1156	
aagaggaagg taagtagata aataggaag taaaccagggt ttctaattca tgggtgaatc	60

cgatagaata ggtatcagat tagggattac aaaatgtatc atgggtacta aatatcagta	120
caaagcagcc acaataatat tgatttatgg atttaagtaa cccgaccaa ccttgatgta	180
tctcatcatg ttgaatttct gctccagata ataaagtatt gttcgatctt gtgcattggc	240
cttttatttt tcagaatgat tcaaaggatg gctttgggga ttcactgtaa gattttttgt	300

<210> 1157

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1157

gtaccataag aaactttttc tgaaaagtgt attagcaaaa agaggactct tcagctttct	60
acttgccgc gaactttgat gttctcctga aacctccatg tgtgtcaaga ttgggaaatg	120
ggagaatcaa gaatcagtag gtgttaggcc accgggattg cctgtatcaa aggaggagca	180
caaaaccaag ctgtttctcaa tcaaaagtag atccaaaaca acgttttcac aaaagtccaa	240
agaaaagtat catttttcag gttttgcgaa gaggaaattg tggcgaaacag aaaattggag	300

<210> 1158

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1158

ttcattttta aaaagcttct ccttattatg ttgttgttta acaacttaaa cgctatctct	60
agaccaggaa taattatttg ctatatatta cagcaaaaaa tatgtatgta taaatggact	120
cattcaaaat atataaagaa ctctatttac aaagaaattg acaaacagcc cagtatatca	180
atgaatataa aaatttgaga agatatatttc cataagaaga tatctaaatg aacattaggc	240
atgagaaaac caaatttttag gatatcacta cacacctggc atagttttaa agactgaaaa	300

<210> 1159

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1159

acaaagcata tgtaccaaca atgcatgttt atattctgtg ccatgccagg ggcaaatca	60
tagttggcct gtttccataa gtgtggggat ggaaccttga aacacaggac atctcataat	120
gctgtaagca gggaccattg aaattgattc ctagagtctt gttctacaac ttctttaaaa	180
attactgatt tgacagcagt atgtattcaa catttaagac tttctgtcta attttgagca	240
tacattcttg actaaggcta gcaattagag attctttctt taatttatca gatatctatt	300

<210> 1160

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1160

ctcttttctt gcttagtgat ggcattccatt ttaaggaaca aacctggaaa tgctgagcga	60
agaacacata cccttcattt ccaaagggtc atttcccact cttacttttag attgacaatg	120
agttgtagtt caaaggctgc cctgcaggga agctcatata ccctataatt taaagggcct	180
cagacgactc ttgggaaact tggtaaaaca ttctatttag agacatgcct gctgatatga	240
catatatttt tatagttata cccctttatt gctgggacat aaaacctgtt ttcactcaaa	300

<210> 1161

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1161

gttgtaggcc	tccttcacat	gttcattggc	tgtggcatta	ggccagctac	tctttgcact	60
tctgtaaagt	gagacggtcg	atcttgtctg	cctctctaga	ggatggctgc	aggtgtcaaa	120
tggggtagtt	aggtgggagg	gcatttcaca	aagttaaaaa	atatgacttt	ggaggcttgt	180
tatattgatg	aggattataa	tccctgagaa	ttcctgggtat	gaaaaaggga	aaagaagata	240
atgtgtgaaa	gaaataagtg	tccagttact	agtctttgaa	aagggtcagt	ctgtagctct	300

<210> 1162

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1162

cgttcctcaa	aggggccctg	gttggtcacct	tctcccacag	ccatttccac	ccatcggtgt	60
ctagaatctc	tttcattagc	acattccaac	ccctctgcc	cttggtttag	aaatgagctc	120
cctggctcag	tgggcctttc	agaatctgga	accagacgga	ggtggagtta	agaagatagg	180
acagaacagg	caggcccagg	tgctatggtt	ccactgggga	gagaccattt	aattctccag	240
atgctttact	ccctgattgt	cttttagcca	ttattctttt	cgttttaaga	gacatggctc	300

<210> 1163

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1163

atttgattta	aaaaaggaga	aatgttcaca	ctcagctctag	accacttagg	tatgcagagt	60
tgcatcctga	aagcaattgc	tcacactttc	cttaatatata	tccctctcca	cctttgcaaa	120
accttgattg	gcatggagcc	tcgactgctt	gcattgtata	cacatgtaat	aagaaagcat	180
taaatctctt	ggaaattagg	aattgacaag	ataaatagat	aaggcataaa	gccaattttt	240
cacacatgtc	cttaggctct	tgtaaattgtg	tgcttggtgc	tgctttgact	tcccagggtcc	300

<210> 1164

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1164

aacaactccc	tacgtcctgt	gtggggccct	gccaagtgg	atgaggcatt	ccttgaggag	60
tatcattttc	cctgacaatc	cccatcacct	ttaggggttc	cctgcttggc	tcctttccag	120
ctgaaaaact	agacctgtgc	cattggggaa	gctggacaaa	gtctaggggg	cccgcctggt	180
agaggggtccc	gggaagctgg	atctgtcagc	ctcggccctg	aggccctgt	taactcaaga	240
ctgtgagctg	cctctagggtg	gtcacgtctg	ggagctagct	tgtatggctt	ctgaccagta	300

<210> 1165

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1165

gctgtttgtg	caaatacctt	gaaaactttg	aaacttgacc	ccggacaggc	ctggtgccag	60
gtcctttccg	acttttgtgt	tttctttcca	cctttcacta	ctgactttgc	ctctttccta	120
ccaggaatgg	acagggccga	tggaggtgaa	gaggacagca	gctgcactgc	cctgtagaga	180
ttcccaggcc	ctgcccactt	caaagcacac	aagcccacct	tttctctatc	acatttccct	240
ttgcaaccca	gggaggcact	caccaggatg	ctgccaagaa	ggaaacattt	tattaacatg	300

<210> 1166
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1166
 ataggataac aggaaaacca gggctgtagc cacagcctcc atattttcct aaaaatttta 60
 gagtgtccct gctacttgac aaattgaaat actaagattt atacatttcc atggaaaaag 120
 caacagtggg aaagagaggg cttcccagat ttgtcttata gatctcatcc ttcagagact 180
 agccttctgt tagaaatgct gtctccaagc acaagacaga ataatcatat aataccaata 240
 cacaccagtt gctaaggtct ccatcctttt aagtatttgt tactgagtgt tttgcctgta 300

<210> 1167
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1167
 ctgccatgtc tagtgggctc ttctgggctc cgtcctgagt ttgtcacacc tcctagggcc 60
 cagaggagat gatgtggtat ttctatcact aaaaggagtt caagaccagc ttgagtaaca 120
 tgggtgaaacc ctgtctccac taaaaataca aaatttagcc aggcattgatg gcgcattgct 180
 gtaatcccag ctactcggga ggccgaggca ggagaatcat ttcaaccag gaggtggagg 240
 ttgcagtgtc ccgagatcgc gctactgcac tccggcctgc gtgacagagc aagactccgt 300

<210> 1168
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 1168
 ctgaagtgtt cctcagatct tagtatttac atctaaactc atctggaaaa aaatcatagg 60
 agggtaaaga atatgaacaa ccttcactga atttccatat cttatataat aggaatgaat 120
 ttaacatgga cacaagtccc agtgatataa ggaataggca agagtagtaa ttcttcacat 180
 cttataaagt gtaagaactc acctttggga gaaaaatctg gttctaaggc atgtggtaaa 240
 gcctttgttt cttccactat tggttatttt tctttttttt ttttgaaaca 290

<210> 1169
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1169
 accagagctg ggcccaggcc aggaaacagg caccaattcc cgaggaaggt cgcctagccc 60
 cattggggtg gggtcagaga tgtgcaggga ggaaggggga gagggcacgc cagtgaagca 120
 ggacttatct gctccccctg gctacaccct cactgagaac gtggcccggga tcctcaacaa 180
 gaagctgtct gaacatgcct taaaggagga gaggaggcag gctgcccacg ggccccggg 240
 tctccacagt gacagccact cgctggggga cacagccgag ccaggggcca tggagggaact 300

<210> 1170
 <211> 273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (273)

<223> n = A,T,C or G

<400> 1170

cctttttttt	ttttttaaaa	aaaaactatt	taatttttta	atattttttt	ggttgttttt	60
tgctcaatga	agtttcagct	tctcaacctt	ctccccctcc	cagggctgtg	gacccagact	120
ggccttgagc	cacagtcctt	ctttccctcc	tccccctctt	ccccctgcgg	gctccccggg	180
ctgtccattt	gttactgtgc	tgtgctgggg	attggcgccg	aggtggcggtg	agattccgct	240
tgtgtagacc	ttgtganttan	gaagggttc	caa			273

<210> 1171

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1171

gttctactgag	gacagcacca	cctcgggcct	caactgaagaa	tctacagcct	tccccggcag	60
cccagcctcc	acccaaacag	ggttacctgc	cacactcaca	accgcagacc	tcggtgagga	120
atcaactacc	ttcccagca	gttcaggctc	aactggaaca	aaactctcac	ctgcccgcctc	180
caccactctt	ggcctcggtg	gagaatccac	accctcacgc	ctcagtccaa	gctcaaccga	240
aacaacaact	ttaccggca	gtcccacaac	accaagcctc	agtgagaaat	caaccacctt	300

<210> 1172

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1172

gctgggtttt	ctccttaagt	gacaggccag	gaaattttat	tagtccctta	tgagtgtaaa	60
ttagtactta	atcctttagt	cttaataggc	agtgatggga	tattacctga	gagaaacttt	120
ccaaaatgag	agtgcctctgc	catttcgttc	atattgtgtg	tggttcacat	tgccccaaa	180
gttctctcat	ccactctatc	aggaggcaga	aaggggagcat	ctgagacctt	atactgcctg	240
catgcagaag	tggtcctgct	gggtttgttt	ctgtagtgtg	gacactttga	atgttttttc	300

<210> 1173

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1173

cccaggtctg	tctcaaactc	ctgggcttaa	gcagtcttcc	caccttgccc	tcccaaagtg	60
ctaggattac	agacatgagc	tggtgcgcct	ggcctgaaca	tattatcttc	ttttgctttt	120
cttctctact	ctccaaccct	ccctctgtcc	tggtgggctg	ggaggcagga	cattgggtgt	180
ttaatcatgg	actctgaaga	gtcactgcta	gctgagtttg	aatcccagca	ccctaattac	240
ataggtgccc	ttgggcaaga	tattttactt	ctctgagctt	cagctttctt	acctataaag	300

<210> 1174

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1174

atgcagtgtg	actggcagga	ggggagtgtg	aactacttgg	gtagatgatc	aggagatact	60
ctgcaagagg	aaacatacag	aaggagcctg	acatgagaaa	actggggcag	cagttttcca	120
ggaagaggga	ccagcacagg	tccaagttga	aactcagaat	ggaatttttag	gaaattatat	180
tcttcatgat	ggtttagatc	tgtgggctat	catcactgca	gttcaacaat	gtggtgccta	240
gtaggaagag	ttctcccagg	aaccctccac	gtgtgctatg	ggattttctga	gaaaaccagt	300

<210> 1175
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1175
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 acccccctca agaggctgag cagcttagcc accaagcagc cccaggaccc agaaggggtct 120
 gcatggggcca tgagcgggca ctccaatac agcttacgt acaggctttg gacatgccgg 180
 aggaggggtga ggaacctggg gtaagccaca ggggtgtgga ggggtgtcc ccgcgtccgc 240
 tgagccctgc tctgccccag ccatcgagac tttgctgtgc tacctggact gcaccacac 300

<210> 1176
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1176
 cttgaagtag aatttttttt cattccttac acttctcagt gagggtgaac ttagtttttt 60
 gctatcattt ttcattttcg tttttgcagt tgaacatact tttttcactc agagagttgg 120
 agggacttgc ccaagactgc ccaatggcaa tgagatttca acctcaaacc aatgttcttt 180
 ttaatgcaag atgataaaga gtaggattta gcctaattta ggatagaata aagccaaata 240
 atttaggata ggttcttttg tgttcattgg tgtaattctaa tgcccatgat gcaagtggca 300

<210> 1177
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1177
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 taattaggct tcagggaat tgtgaataaa aacataaatc ttgcaatagg gtaggggaaa 120
 gaaaataatc cactcctga agtgatgaaa tgaagagtgg ctagagagga gaaaagaacc 180
 aggacaggtg atatattagc aactgtcagt gtgaataatc cagggtatga catttctaata 240
 ttagcctcac atttaaggtc atttctgatt caacctcaaa tgatccttct agcctactgc 300

<210> 1178
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1178
 cttaggggaa ggaaatgaag gtcagctttg ggtatactag tgtaaggtgc ccatgagaca 60
 ttcagataaa aaccagccac caggcatatg gagataacag ggctgaactt aggagaaaag 120
 cctgggttga aacagagatt cggatatcct cagtatgaag gtgatagtgg aaactgggga 180
 ctggatgacc gaaagagatc acccagaaca ccagtacaga gaggagagag ctgaggatgg 240
 aattttggga cataggtgct tctacagcac atggcaccaa cctctaataa tcacaccact 300

<210> 1179
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1179
 ggagaccagg tgggagccac tcacagaaat cagtaacatg aaaaccacag ccacaaaacc 60
 accactggca ctcaacgccc atcatcacgg gcaggacagt tctacatcat ctccctccgg 120

cctgaggctt	cccaggcagt	gtgggaaggg	gggctgcac	tcctggctgg	ggttcacacc	180
taagtttcct	gaggtccaag	ctgacctgga	aagtttctag	tgagtggcac	atcctgtccc	240
aacaagggga	acacgggcag	gatgtgcctg	caccctggga	aaagtgttgt	ctccgcacac	300

<210> 1180

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1180

ggagaccagg	tgggagccac	tcacagaaat	cagtaacatg	aaaaccacag	ccacaaaacc	60
accactgtca	ctcaacgccc	atcatcacgg	gcaggacagt	tctacatcat	ctccctccgg	120
cctgaggctt	cccaggcagt	gtgggaaggg	gggctgcac	tcctggctgg	ggttcacacc	180
taagtttcct	gaggtccaag	ctgacctgga	aagtttctag	tgagtggcac	atcctgtccc	240
aacaagggga	acacgggcag	gatgtgcctg	caccctggga	aaagtgttgt	ctccgcacac	300

<210> 1181

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1181

caaaggtgat	ctcaggaaag	gtctaagcta	gtttacagta	tgcccatttc	ctgtgtaaac	60
catttaattt	aaatgactct	gcttgtctca	ctgttatgat	aaatttgtgt	ggtagatcgc	120
agcctgttag	ctattactgg	aagtttctcg	cttttattac	aggcctctca	aataggtagg	180
ttttaacatt	ttattggacc	ccctgcccct	tcccaatttc	aactattaaa	tccttaaatt	240
tggtgttttg	gttatgcaga	agttagttat	caggttatat	ggttcccaat	gagtgaggaa	300

<210> 1182

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1182

gagatccaag	tggtttagaa	ggggatgatt	gctgggtgaag	gttctgaaca	tggtgacagg	60
tgggaggctg	agcacacact	cgtacaccgc	tggcaggaag	agaaatgact	tttctggact	120
acaatttgga	gataacacaa	acattaaaaa	gaagaaaaaa	ttgtatccct	ttttgactaa	180
gcaattctag	gattgttatt	tttttctcct	gaggaaacta	gcatggatgt	tcacattcag	240
gtgtggggat	gtttatcaat	ttgctatttt	agaaaagaga	aaaaaagttt	agcatgtcac	300

<210> 1183

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1183

ctctgcccaa	tctatttccg	gctggatgtg	gagtctgaag	gcctggcacc	cactctggct	60
ctgtgattta	ccagctgtga	gccttggggg	tgctgcttac	tctcttgggtg	attctttact	120
catttctatg	atggggtaga	ggataatgcc	tatgcttaca	aagtggctgt	gggaagtaaa	180
ccggatggga	taagaatggc	ttgctgtgga	ccacaggcac	cgcaggataa	ccattcctca	240
gaactcctcg	tactgctcta	gtgcttggag	gtcctgtgat	tacctcagct	attccaaccg	300

<210> 1184

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1184

atacgaatggg	gtgcttggtg	gatggggccat	ggaggtccgt	gagctggaac	tgggcacacg	60
ccatcccaga	gggctcagga	tgccccagga	aggaaagaag	ggcaacagac	tacacgattg	120
gacgtgtgtg	gttgactggg	atgaagttgg	agggaggggc	agggccttgc	aggggattgg	180
tactgatccc	agggaggaag	tgttggggct	tcatgaacta	ggatgaaagg	agggccctga	240
gccatgacaa	ggggcacatc	caggatttcc	gccaccctga	atntagtaga	gctagtaggc	300

<210> 1185

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1185

cttttaggttc	ttgattatgt	cactgtaata	aagcaaccaa	tggacctttc	atctgtaatc	60
agtaaaattg	atctacacaa	gtatctgact	gtgaaagact	atttgagaga	tattgatcta	120
atctgtagta	atgccttaga	atacaatcca	gatagagatc	ctggagatcg	tcttattagg	180
catagagcct	gtgctttaag	agatactgcc	tatgccataa	ttaaagaaga	acttgatgaa	240
gactttgagc	agctctgtga	agaaattcag	gaatctagaa	agaaaaggag	ttgtagctcc	300

<210> 1186

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1186

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taggagctgt	ttacttgagg	ggaagcctgg	aggaagccaa	gcagttattt	ggacgcttgc	120
tctttaatga	tccggacctg	cgcgaaagtct	ggctcaatta	tcctctccac	ccactccaac	180
tacaagagcc	aaatactgat	cgacaactta	ttgaaacttc	tccagttcta	caaaaactta	240
ctgagtttga	agaagcaatt	ggagtaattt	ttactcatgt	tcgacttctg	gcaagggcac	300

<210> 1187

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1187

aatatatcac	atcatgtaat	aagcctctca	gagatgtagc	attgagcaga	ttaaggcctg	60
atztatagaa	aaattccacc	ctggccatgt	gggcctgaaa	ctctggaggg	ctttaacaat	120
gtcttgaggt	cattgtcatt	taaagagatg	actcattggg	tttatttagt	agaaataaat	180
actaaataaa	taatctccac	agattatcca	gaggggtaag	ttgaaggatg	ttgacagata	240
actcagtaaa	ttgcgtctca	aatattaata	agtttattct	atgccagcac	caaaaatatt	300

<210> 1188

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1188

agtgattaag	tctcactaga	ataggctttt	ctaaattggt	ttatctcatc	ctcattagaa	60
cttcaccaca	tgtgggaaat	catgtggcaa	aactgtctct	cttaaaaaaa	aagtcaccaa	120
ggaaacctcc	ttctgcaatt	taagaaataa	aatcccagtg	acattgattt	ggatgctcca	180
aacatgtcca	taatggaaga	gcttttccag	gttttggttt	gggcccccca	gaccaaagct	240
ttgacacata	atacaagctc	tgtaagtctg	ttttcctgtc	tgtaatttgg	gattgtcatc	300

<210> 1189

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1189
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 tttcctttta actgaagggt ttcttagata tttagtttgc tggatatattc ttttaaaatt 120
 gtatcattgc tttcttttcta tattggatta ttgtcagaga acatgatttg catgatatta 180
 actttttgga gtatattgtt gcatctttgt ggcctagtag atagttaatt tagtgaatgc 240
 ttccagttgt acttgaaaag aatgtatatt ttctgattat tgagggtaaa tttctctata 300

<210> 1190
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1190
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 gactagagaa caaactaagg ttgctgcaac aaacaaggac ctcttccaag aagggtctcc 120
 aggcctggcg cagtgaacta tgcctgtgat ccagcactt gggaggccga ggcgggtgga 180
 tcatttgagg ccaggagtgc gagaccagct tggccaacat gatgagacc cgtctctatt 240
 aaaaatacaa aaattagcca ggcgtggtgg cgctgtagt ccagctact caggagggtg 300

<210> 1191
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1191
 ggccaagcat cactgcacgt gccagctccc caaacggctg gtaagggggc ctggatactt 60
 aactgtaact tgcaaactgt atccctagcg ggcccaacac aaatcctgga gaatcagagc 120
 tgggttgagg ttgaaactg gcaagtccag cttcatcttc acagggttag ggaaacaggg 180
 cccaggaggg tcgccctgcc agggccacac agggaggagg tgtgtggctc catgtggcct 240
 caggcctgaa ttctattatt attattatta ttatttttga gatggagtct tgctctgtca 300

<210> 1192
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1192
 gggccacgac taccaaattg gccctaccg caagaacctg ctatgctacg accaccggac 60
 agacgtgtgg gaggagcggc ggcccatgac cacggcgcgc ggctggcaca gcatgtgcag 120
 cctgggtgac agcatctact ccatcggggg cagcgatgac aacatcgagt ccatggagcg 180
 cttcgacgtg ctgggcgtgg aggcctacag cccgcagtgc aaccagtgga cccgcgtggc 240
 gccgctgctg cacgccaaca gcgagtcggg cgtggcagtg tgggagggcc gcatctacat 300

<210> 1193
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1193
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 tactgaagga cctgaagaca gatcatcttc acataatcag catgacccat aatctgtgat 120
 gtcactgagc ttcttttatt tctgtagtca aggaatgtgc acaagtaatg caaatataat 180

tacttttagt	cctgaggatt	agggaaacttg	ggggatgttc	acattacctg	atgatgtcaa	240
tattgtgtta	tgtttaattt	tttttaaaaa	agatgcttat	ttattactga	aataatctaa	300

<210> 1194
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1194						
aattgataat	aattagacaa	actgaactaa	atttttttaa	cagataacctg	agtgccaagc	60
ttaacagata	cctgagtgcc	aagcataata	aacaggaaat	atacacttca	aaaaagaaaa	120
agaaaaatga	atgcatactt	atcaaatact	tgctgtaaga	gcattaagta	ctttacataa	180
gtcaaatacat	ttaatcctca	tgaccctaag	aagttatttt	aagatctttt	gagaatgaga	240
aaaaaggatg	agtaagggtg	ggtgatctat	gtaaaacaaa	ttaattctag	taactggcaa	300

<210> 1195
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1195						
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tactgaaatt	tgactcact	ttcagcttac	agtttggtga	ggactgctag	acccagttct	120
tttgtcatct	cattcttaga	gagctcttga	aaaccaaagt	atttaaaacc	ctgcaagttt	180
ctgtgcagat	gagtgcacaa	ttccaccag	cattgggtcc	tgagtaatta	gaggaaggaa	240
gccatgcaaa	agctgctatt	gccaggctc	cagaaaaaca	tcatgtaagg	tttgattcca	300

<210> 1196
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1196						
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atctctcttt	ttacaattgg	ggagctcgag	gctcagtttg	gtcatgttgt	aagtcctgt	120
ggagttgggc	tccaaccag	gtcagctctg	ttcccaaaac	ccttctgttt	gactttgccg	180
ctgaagaaga	tacaatgaga	tgaagagtct	tgggcatgat	ggcacacagg	tcatcaggaa	240
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<210> 1197
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (289)
 <223> n = A,T,C or G

<400> 1197						
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ctatccaagc	atggtggggg	ggaagggaat	tggtgcccag	aaaatgggac	tggagtgagg	120
aatatctttt	cttttgagag	tacccccagt	tattttctac	tggtctttat	tgctactggt	180
ctttattgtg	aatgttgtaa	catttttaaaa	atgttttgcc	atagcttttt	angacttggt	240
gttaaaggag	ccagnngtct	ctctgggtgg	gtactatnctn	gagttattg		289

<210> 1198
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1198
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 tcagagctag tggggcctgc tcacacattc cagtagtttc ctctttatct gtcctgaacc 120
 aagttgtaga atttaaagga ggtgaagtaa ggcgatttct atggaaaata tatttttctt 180
 ctttactcct catgctgagt gcataagaat ttattatttc ccctgaatgt tcaaagtggg 240
 gtgtgtgtgt gtgtaaaaga accaggagca aacaatctta ataggaatgt gcgatcttgt 300

<210> 1199
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1199
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 gttgttgagc aattttgttt ttttttaaag caggggtgacc tgaaaatgct ttgttagagga 120
 catgggtttg ggccgcccct tgaaatgctg gggaggattt gactccttta ctgtcgagga 180
 gggggaaggc cattgccaca gttgggacag tggcacaaac tcaaaaggaa ggaagaacta 240
 ggtaatttga aaaacagaat aaaccaattt ggctggaaag tgagggtctg tgagaaagca 300

<210> 1200
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1200
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 ctgctgcagg actgcccgtt tcatgtccag gtcgctgagg gcggcgcgcc cgcagagttc 120
 tatctccagg tggaccgctt cagcctgctg cccacggagc agccccggct acgggtgcct 180
 ggttgcaacc aagacttaga tgttcagaaa aagctctatg actgccttga ggagcacctt 240
 tcagagtcca cctcgtccaa tgcaggccta tcaactgtcc agcttctgga tgaaatgcgg 300

<210> 1201
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1201
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 gctgctgaga gggtttcgtt tacaagtgc cttgagtgtt tttcatctct ggaatgcatg 120
 gtccctgcgc tcaagctaca caatctgatt agtgaagtat tactaataca ctagaaaaat 180
 atacatagta attaccaaatt gactgacaca attttatagg gggttcagag aaacatctgt 240
 gaatgggtaa taatgaaaaa agaaaagttt ttctctttgt tttagtctga cccttttaac 300

<210> 1202
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 1202
 cttcctgtgc caggggaccg tggagaaagt gtcaggggcc gctcactgca gcagcctgct 60
 ctgctgcctt ccctggcagt gttctggggg tggattccct acacctagat gttcaaggcc 120

ttactttttcc tcccacaaag gattcgca

148

<210> 1203

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1203

cagaaaaacta	gcagggttaca	ttttataggc	tattgtagtt	ttatttacca	aatgatattc	60
tctaaatcac	ttcgaccaat	aaatgtattc	tcctccttaa	agcagagttg	tatcaactct	120
gtgggagcat	ttatgagctg	tcagtcccca	cacttctagc	cagaatcaca	ataaggtctg	180
gctgggtgtg	gggtgctgca	taggaaagg	tctctggaga	agcaagaagg	gcacaatcat	240
ggcccactgc	tcccctcttc	ttctcagtgc	tctttgccct	ctcctgctgc	gatgcttctc	300

<210> 1204

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1204

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gaagggtttg	cattgaaaat	gtgctgttgt	tccaaagaaa	aattagcaga	ggacttgaga	120
tttagaaaag	tctcctttgt	aatgtgcac	attaccagtt	atctaaagaa	aaacatgtaa	180
aagccaacaa	aacccttgaa	aatattttgc	atatggatgt	ctgtttcacg	tttcaactga	240
agatgtatag	agcacctctg	atgatgagga	agataccatg	ctaggcagta	ctttcaagaa	300

<210> 1205

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1205

ccttcccacc	ttgtgagttc	tcccagcagt	tcctggattc	ccctgccaa	gcactggcca	60
aatctgaaga	agattacctg	gtcatgatca	ttgtccgtgg	gtttggtttt	cagataggag	120
ttaggtatga	gaacaagaag	agagaaaact	tggcgctgac	cctgttatag	tggttatagt	180
ggtgtcccta	aagggaggaa	atgatttcag	caaaactgg	tgaacagcgg	atgaagatat	240
ggaattcaaa	gctctaattg	acctttttga	agagaagttg	tggcttatgt	ggagtttaca	300

<210> 1206

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1206

cagagtcaac	atggagcatc	tactgtgaa	atgatccatg	gattgaagga	tatggtaaaa	60
tgttttatagt	ttactttgaa	agtaaaatat	actatgtcct	ggttttgagg	atattggata	120
caaaactctc	ttcctttagg	gctactgagt	cttgattcct	gatcatcaga	aatttcacca	180
gaaacaactt	gcttccaata	tacccaattc	tatatgaaga	attcatggag	agtgtactgg	240
cactggaaga	gttttagtgt	tcttgtatgc	ttgaaaataa	agtatgtact	gttttgaatg	300

<210> 1207

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1207

gtcgggtgta cacacattca cacttgacagg cgtgcaggtc ggtgggtgta cacacattca	60
cactgttgca ggcgtgcagg tccgtggtgt tacacacatg ctggtgcagg cgtgcaggtc	120
ggtgggtgta cattcacact gttgcagggtg tgcagggttg tggtacacac attcacactg	180
ttgcaggctt gcaggtcggt ggtgttacac acattcacac ttgcaggcgt gcaggtcagt	240
ggtgttacac acattcatgc tggtgcaggc atgcaggtcg gtagtggtac acattcatgc	300

<210> 1208

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1208

atTTTTTTTg ttcgaatgag ccttaatctc ctactagtga ttttttgttt gaaggagcct	60
tgatcttgga ccaccgaaaa ggtaaaacca gtggcaagct tgaatgcttg ttttatggta	120
gacttagata cgagaacggg taaagggtac tggataaact tgggatataa gattgtcttc	180
ttttatgcat accactcata ccactgggtg gaaatttcat ttggaattac tccctagggc	240
catggagtct tcctgcatat gctaataatg taagttccca ttacctttg taataagaaa	300

<210> 1209

<211> 215

<212> DNA

<213> Homo sapiens

<400> 1209

acctggtgtc ctctgtcttc ttgggcaggc cagctccatg cagtgcagt cccctgaagg	60
gaatggggcc aggagaagac ataacagggc atgaggatct tctctgtgcc aagaatcatg	120
ctaggtaacc cccctgagat ttctcatcct cttgagaatc ctgtgagatg atcctgctgc	180
ccttattttt ccagatggaa aaacggatta cccag	215

<210> 1210

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1210

cacctgtgcc cccaggctca aggtctcttg cagggtgcaca ccagcccaac tctgcagggc	60
ttctctccct gccaccaccc ccaagccag gacccacctc cttccccgag gctgagctga	120
gccttttcca ggggcagggc ccaggagacc attcccagaa tccatggggc agtagccagg	180
gctccggctg ctggagggaag cagctatcca caaagcttcc tgccccagag ctgaggctga	240
ggccccggga gaggcggccc ctacccaaac actggctgct ggcattccac caagtgacct	300

<210> 1211

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1211

ttgcacagga ggagaattag cacgatgtaa aataaaaatg aaagacccca atggggagaa	60
tattttaaat gtcttgacagg gagtggaaga aagctttgct taaaaatgtc accatatgct	120
aactatatac agcacttcaa gtttatttat tggttaaagcc tcatgtaaat cacgtcattc	180
tgaaaatcat ggaaactgca cttttgtgca ttaaactatg taaacaacaa aaactggtca	240
tccgtccaat tggtgtttca cttattttga attatagtg aattttgtgg agggtgaaat	300

<210> 1212

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1212

agggaaaata	tgacaaacct	caactatggg	agttgtccac	aatacaaaat	tttgaaaaaa	60
cattacatag	tgataaatc	atacttggtt	gttaggcttg	ttgcttcccc	acatcagagg	120
catctaata	gttatctttt	gtaattgctg	tgaacttttt	taaataagcc	atttagtgtg	180
aaattgtcat	gtatcaaag	gctattggaa	atggacttta	ctcaatttta	attccactgt	240
aaataaggac	ggagtcattc	ctacaaggct	ctcttcagag	aaatagatta	aaagtccaat	300

<210> 1213

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1213

ctctcactag	ccctgggcac	ttcccactgc	ctttgtggac	ttctgtttgc	tcttctgtag	60
aatgggataa	cagtgccagt	cctgcttact	atthaggggt	atgtgatgct	tgcatatgta	120
cagggaaagc	accgctgatg	ggagctgctg	aagtttctag	gggagggtga	gggtggcgct	180
cctcccctgg	tctaagtggg	agatgggtga	gggagaggag	aatttcattc	tgtggcagca	240
gctgatagat	tccaggtctt	taatactacc	tgggaaacct	taacaaagca	gtcagtcacc	300

<210> 1214

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (299)

<223> n = A,T,C or G

<400> 1214

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tatctccagt	tggttgaatc	cattgatgca	gaaaccacgg	atacggagag	ctgactctgt	120
gtgtgtgtgt	gtatactcac	caattcttta	tttattnaac	ngatatttat	tgaatnttta	180
ctatgnngga	ngnatanttn	angagcntgn	ntntanctta	gncntcancc	ntggcttann	240
gcncnggan	tctnatgnag	atccnaganc	gntngnccnn	atcacnntgc	tttgcgct	299

<210> 1215

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1215

tttttagttt	tccaaatctg	aattgactct	ttttttcttt	cttctagagc	cagaaacttt	60
tgataccatt	tttcatgctg	ttgaacttca	tcttgtgttt	ttccaggaag	gtgttctaga	120
acttcttcca	taaatgttgg	cttcccttta	tgtttgtttc	tcacctttac	aaagttctgg	180
tgatcataat	catcccaggc	accttgctgc	cctcctgttt	gctgaaggaa	tttttcaaaa	240
tctagtacct	cttctggaag	agtacttggg	gttactttgt	ctacaggaac	tttgcttgag	300

<210> 1216

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1216

tggaacagga	gagtcgcatg	gaggtactgt	ttgcctgtgc	tgaggccctg	catgcgcatg	60
gctatagcag	tgaggccctc	cgtctcactg	tggagcttgc	ccaggatctg	ctagccaacc	120
cacccgacct	caaggtagag	ccgccccctg	ccaagggcaa	gaagaacaag	gtatccacga	180
gccgtcagac	ctgggtggct	accaacaccc	tgagcaaggc	ggccttcctg	ttgacagtgc	240
taagtgcg	tccagagcac	cacaacctgg	ccttccgagt	tggcatgttt	gccttgggagc	300

<210> 1217

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1217

ggaaggaagg	ggcaggaccc	tccgacgggg	cagcagtggg	ccagggtgtcc	cccctgcaca	60
gtgttttacac	cctgggacct	gccgcaaggc	atggctttca	gaagagcctc	cccccaagaa	120
atgctgcaga	caggacgggg	cttctagaga	ccttggtctc	taccacaggaa	ggctgatcta	180
ttcttcgact	gttgcatcag	cttcctcaac	ctctgcaggt	tcaggctgcg	agccctaggg	240
agcatcactc	aaagcaccct	gttggccact	taggatcagg	agggcctcgg	ctcacccaag	300

<210> 1218

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (290)

<223> n = A,T,C or G

<400> 1218

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gttgtgttgg	cacgcacctg	tagtcccagc	tacttgggag	cctgangcan	nanaatcgct	120
tgaacctntg	aagtngaggt	tnatagagnc	nnaaccgngc	nanngtactc	cagcntttnn	180
gacattancn	agattncggn	tnanaaatna	aaannccncc	ctttaaatte	tgtttttttt	240
tnncttnnng	gtnntttttg	tggagtanat	tttnnnnttt	gnntctatta		290

<210> 1219

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1219

gcttttttggg	acagtagaaa	ttttcacatt	aatactgtaa	attctgtacc	atattttgac	60
acctgtaca	tctgattcaa	atgcgggaaa	aaataccatg	tgtgcataat	gaaaaatcat	120
tcatttttcc	ctttcttacc	ccagcaggaa	tagaaagcaa	ttccaagcca	ctctgcaaat	180
gtatccaagg	ttagagattc	gggagctggc	caacatctta	caccccaa	gactgaagca	240
tttcagtagg	ctgactggct	cgaaataaca	atttaagaaa	gggggggaaa	aacctacagg	300

<210> 1220

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1220
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 aggattagaa ttcttgggtct cttaacctct cggttcagttt ttctctcgtc gactcacatg 180
 ccctccaaat gaataccgaa gtttagatttt gcataattaa ttgaaagaaa gttaaaagcc 240
 ttactacttt ctacttcagt gtagggngga tatgcnaagg ntccnagtc caaatngann 300

<210> 1221
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1221
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 ttcacattta tggcgcatac tccaagaac ctataaaaac cttttctcga tttaaagaca 120
 cagcactactg tgctactttt cgacaagatg gtagattgct tgtggctggc agtgaagatg 180
 gtggagttca actttttgat ataagtggga gggctcccct caggcagttt gaaggccata 240
 caaaagcagt tcatacagta gattttacag ctgacaaata tcacgtgggc tctggggctg 300

<210> 1222
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1222
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 ctacagtcta tactcaatac ctataaaatg cagtaagcat gtgttacaga aagaggttct 120
 ggtgggagag aaaggtgctg gtgagacagg agaattgtct taagcatata aaacatgtat 180
 gattccagaa ttttagtatg ttttgtataa aactattttt cattacggag actagaagtg 240
 aacagagaat tacacaagtg tgactataca aattgtaaaa cagatactat aatatttcct 300

<210> 1223
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1223
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 atgtcacaga cattgatctg tgggaaatac tgtgtgctac tcctgagaaa accctatgag 180
 aaattttaaa cttttttgct gacaactatt tatgacttta ttcaacaaag tgaaacaaca 240
 tttggacgac tgttgcctgt tcttgaatgt cattcatggg cagccacaca aaaacactgc 300

<210> 1224
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1224
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 tgtcaaccca gattggcttt cccactctac agtttctgta ggatgcatgt tttcaccatt 120
 atcaggcttc tgcagtgcct agagggcagc aataccagc aaccagtgc cggaggccag 180
 caacttcttt tacttcccc tcagttggat ttgtaacaga gtatctttgg tgggacactt 240
 ctgtgtgaag agattttact agcaccctaa agaatggatt tctggcaagt tccacaaggt 300

<210> 1225

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1225
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 cctccagctg caggtgggtg tggagtttga ggccagcaca aggatgcagg acaccagcgt 120
 ctcttcggg taccagctgg acctgcccc ggccaacctc ctcttcaaag gtaaaggtct 180
 cggttccct acgcgggaaa caggcaggag gtgactcaac tctgagtgga tgtgtgggcc 240
 accacagggtg ctggaggaca gtgtgctgcc accctgtggg cctccacatt accggggaac 300

<210> 1226
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1226
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 tgtgccacaa aaattagtat tttatgatca aatgaatttg ctttataata ttttatctaa 120
 atattcatgc tcttgaagac tcacaaaata aaggaaactt tatccagctt tttccagaat 180
 ttacttgcac atagactcca tttatatagc atgcctattg aactctgtaa atagtgcagt 240
 tcaggaaaga tagcagtgtg ggaaatgtca ctctaattgt catatacgtt tatcccatgg 300

<210> 1227
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1227
 gaatcttcc taaagtccag agtctcccg aacatggaga ctgtccttcc caagccttct 60
 cgcggggagg gaattccttc tttctgccgc ctgttacatc cctgtgtgag aaggtctgtg 120
 agctgagccc acatcactcg ttctgctgcc caggtgtgct tccatcttca ctgtggaaaa 180
 gtcattttga actccccgga gactgcaaat taagtaatca aggacagatg ggactgggtt 240
 gaccattcca aggagtacag ttacttgaag aatctggaag caataccgag cacatttgtt 300

<210> 1228
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1228
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 ttttctaacy atccaccaga ttagggttac atttaacagt aactagaaag gttaatttta 120
 acctaatca gaaagattaa tttctgtcct ttcagtcttc tttctgtgct cataaataag 180
 cattgtttct tttaatcaac ctgggcagta tctttctcat tttaacagtt gtctagagct 240
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<210> 1229
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1229
 gtcatgcagg aaaacatgga gagagttttt attccagctt caaataagga atcacttagt 60
 aaagttcatt ctttctagta cctacattct ccaagtaatc tgetcttttc agtgccgtgaa 120
 gtaaactctg gttaacagct gaggagtagt attactgcaa gtgttcgtca cttgttctg 180

tatacatctg	tcagtcttat	caaggaaatg	tggaatggtg	aatctgcttt	acaatgagta	240
tcgctagaac	tcagaatctt	atctttat	aaacattgat	ctcgttttat	tttattgaga	300

<210> 1230

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1230

gcttcatgag	agactgacag	ctatcagggg	ttgtggcact	tagtgaggac	tctcctcccc	60
cagtgtgtgc	tgatgacaca	tacacacctg	acaatagctt	gagtcttctc	tgttcctttt	120
actctgtagc	caacatacac	atgatttaaa	accctttcta	aatatctatc	atggttcatc	180
cttgtccaat	gcagagtcag	agctatttgt	acttcattac	tattcgctt	ggaaataata	240
atgaagtaca	aatagttggc	tttctttttg	caaaaataat	taaagttttt	gtatgttgca	300

<210> 1231

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1231

ctccaggctc	tggttcccat	gcagcagctg	tcagcgttca	gacaacccct	cagaacgtgc	60
ccagccggtc	aggcctgccc	cacatgcact	cccagctgga	gcacgcccc	agccagagga	120
gcagctcccc	tgtgggcctt	gccaaatggt	ttggctcaga	tgtgctacag	caacccctgc	180
cctccatgcc	cgccaaagtt	atcagtgtag	atgaattgga	ataccgacag	tgagcagggc	240
aggcagactc	aactaagccc	ggacctgtgg	tggcacactg	ggcaggaccc	tgcttcatct	300

<210> 1232

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1232

atcccttcaa	gacaatgact	tgtcttcata	gctcatcagt	gagttcacag	tctattgttc	60
ctttttat	ggccagtgt	aaatagcagt	tattgcaaga	acaaagggat	taaagcatct	120
gaagacctt	gtttgagttc	tgccacttta	gtagtgtac	atctcagaga	tcaacctctt	180
taatgcctgt	ctttgttccc	tggaaacagag	tttgtgttc	cttttgtgtt	acaacagaac	240
tctggtcatt	cctaccatag	cacttttgca	cactatagat	tgcaaccac	agtattttac	300

<210> 1233

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1233

aggtaatgag	gacccctgct	agcgaagcag	tggcagaaat	ggagaaaaga	gttgggtgca	60
gggaatgtca	gtgatgtaaa	agtcaaagac	ttgactgctg	aaggaaatgta	gggaatcagt	120
gcccttgga	tgtcaatggc	ctggtctaca	ttgagaatga	agactgagaa	agggcttcct	180
gagggacaga	gagctgcagg	tgatcaagga	cactcaatgg	gtctctgagg	gaaaagaaga	240
ccaagaatt	aggagtagc	tagcagaaaa	tggaggcatg	acactaaaca	cagactgaaa	300

<210> 1234

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1234

aatggggggt	gttcttcata	gtggatttct	ttttttaaac	ataccatctt	tgtgtatata	60
catttctctg	gaaatgtttg	tgaaaaggta	aagataactt	ccttagtgta	attgtgttga	120
agtggaatgt	ttctagtgtt	tgtgaagata	tcaattgctg	gctgatattt	taagctggat	180
gaaaaatgtg	ggtgaagtaa	tcttaaaggg	tgatagattt	gatatgagaa	atttaaagta	240
atgtgctcag	tgcgtagtgg	tgataaaaga	atgtagccta	cttgttttcc	atagactata	300

<210> 1235

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1235

gggaagaggt	ggttctatct	gaggacagtg	tgtgacttcc	ctattgatgg	gctccctgcc	60
atcagcacag	atgggcatgt	tgtgtgcccc	caggcgacta	tctgtgcatc	agatatgggt	120
gctgaagtca	caattcactg	atggaaaagt	tgaaacagct	ggctgtcctg	aaacaggaga	180
tgtgccattg	atagatctac	tggatccaga	gtgatattggc	caaagttaat	catttctttc	240
ctgacttgaa	aaattgttca	ttatgtatgt	gaagttgcct	tagaatagag	catcatctta	300

<210> 1236

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1236

tatcacagtt	tgtaaacggg	tgtttttgtc	cttgttattg	aagtatacaa	ctctgcttag	60
ccaaacatac	caagcaacag	acagaagcgt	cacttggaga	gaagaagaaa	gggttaactg	120
gcagagctac	tgtaaaagaa	ggatagagga	gggtaagttt	gaaagtggcc	atgggcaaga	180
attttctcca	gatagctctt	gattataatc	tctctcacct	ggattatttc	ccatctcctg	240
acagtttggt	ctcacataac	tatcagcagt	cctctcaaca	cagaatcaga	ccatgtctct	300

<210> 1237

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1237

tgaaaatact	tatctataga	aacagtgttg	taaataagag	agtctcagat	tatcaaataga	60
aacttattta	aatccatgta	actgaactaa	taataccagc	tgcaagttta	tcctggctgt	120
aaggactacc	atgatgggaa	aaaataagag	gaaaccttac	cctccccac	attcccacat	180
gaccagcagc	ataagggctc	caggttacca	cagtatccat	catttgtctt	atggccaccc	240
aagtacacct	gtttacatga	cttactgggc	ctgtgtagaa	attgcagttt	gtgataggat	300

<210> 1238

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1238

cagttttgat	gagcatgatg	aaggcagtat	catttttgtg	cttgatacag	tgcccgga	60
gttcaggctc	gggtggcatc	ctgagaaagg	gagcaaggca	gtgtggtgat	gccagggtga	120
agaagttggg	ggtgtccaga	gggaagtga	atgctctgca	aaaaagtcag	agggcatctc	180
agaaaataga	gccacttttc	ttgatttccc	agaaatagtc	actcactcaa	agcccttgta	240
tgtgcagcag	atttcactga	tgctttaagg	aggagtttat	gctgcaaaaa	agcaagctat	300

<210> 1239

<211> 230
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(230)
 <223> n = A,T,C or G

<400> 1239
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 ttgacgttga cttaatcaga gggtcnecat ttgccaaagc aaaacctgaa attccatgga 120
 catctctgac tcggaagggg cttgttcgag ttgtattttt tccattgttc agcaattggg 180
 ggattcaggt tacctcttta agaatctttg tttggctggt actactttat 230

<210> 1240
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1240
 gaattgttag agaaggggat tctgattatt taacaacaga gaaaggcttc tgggttatct 60
 attagagatg aaaggattaa agagaaacta tagatcagct agtccttatg gagagaggaa 120
 tataaaggaa agagaaaaaa taggactgtg gcttagtttg ggctctgttg actgactata 180
 aaagtgagcc aatcacatag taattttctg acaaaataga gtttaggtta aggcttaggt 240
 caaggctgta ctttgtgtta atagtattat aatgagcaaa ttaatagaaa caagaaaaca 300

<210> 1241
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1241
 gggatttgaa tgcccatgaa agacatttta ttttacttga atatattctt gcttcacttt 60
 accctccata atatgttgta cattagtgtc gatcaagttt acagagttac attttgcttt 120
 cctaaccatt cagtcaggaa ttaaaatagt gcattgtata acaactggga agaagctcat 180
 agtggatata aattagagta gataatgggt caccttgata gcctctgttt acattacttg 240
 tatatgggca aaataattat tacctatacg tgtatttaag cttaattttc atataaacag 300

<210> 1242
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1242
 gctgggtgtg gtggcttatg cctgtaatcc aaacactttg ggaggccaag aaggaggat 60
 cacttgagcc caagaatttg agaccagcct gggtaactta gtgagaccct gtttctaaaa 120
 ataaatagac agatgataga tagtcagata gagagagaga gagagatgat atagatatag 180
 atagatagat agaatgttct ctaccccaag ggtggagaaa gacttgagca aagacacaga 240
 ggccacatgg attaaaagga ggaggagaag ccctgtgttt gcagggatga atggcctatg 300

<210> 1243
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1243

cggcggcccg	gggtaacgca	cagagagcca	gccgggcgcc	tatctgggcc	gtaccgtgct	60
ggtggctggt	gcaccggcct	gcgccatggc	caggcctttt	tctctagtca	ggaccgtccg	120
gatggggcct	tagggccccc	ccccgtctag	cctggcccg	cctgcgcgag	ccccgcaagc	180
tctgcaggct	ggctagcggg	cagacccag	ccccacgtcc	tgctaccac	ctacgaagga	240
tccggggatg	ggcagcgcca	cccggcccg	tccagagtca	gcatgggtct	ccgtgagggc	300

<210> 1244

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1244

cgccgcacag	ctgctgaatg	ccttgggact	agctgggtgat	tacctcgccc	agggcctgaa	60
gctcagccct	ggccagggtcc	agaccttcct	gctgtgggga	gcaggggccc	tggtcgtcta	120
ctggctgctg	tctctgctcc	tgggttggt	cttggccctg	ctggggcgga	tctgtgggg	180
cctgaagctt	gtcatcttcc	tggccggctt	cgtggccctg	atgaggctcg	tgcccagccc	240
ttccaccceg	gccctgctac	tcctggcctt	gctgatectc	tacgccctgc	tgagccggct	300

<210> 1245

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1245

aatcgggcac	gaggccagct	tgacctgggt	gtggccggtg	ggcgagatga	agctacactg	60
tgagggtggag	gtgatcagcc	ggcacttgcc	cgccttgggg	cttaggaacc	ggggcaaggg	120
cgtccgagcc	gtgttgagcc	tctgtcagca	gacttccagg	agtcagccgc	cgggccgagc	180
cttctgtctc	atctccaccc	tgaaggacaa	gcgcgggacc	cgtatgagg	tgctgaagt	240
gggcaggccc	tgctcagtctc	gcgttcttct	tggaagccga	gacgcggggc	accctcggtc	300

<210> 1246

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1246

cagtcctctg	cataaagctg	agagatgcct	acagctgaga	gtgaagcaaa	agtaaaaacc	60
aaagtctgct	ttgaagaatt	gcttaagacc	cacagtgate	taatgcgtga	aaagaaaaaa	120
ctgaagaaaa	aacttgctcag	gtctgaagaa	aacatctcac	ctgacactat	tagaagcaat	180
cttcactata	tgaagaaac	tacaagtgat	gatcccgaca	ctattagaag	caatcttccc	240
catattaaag	aaactacaag	tgatgatgta	agtgctgcta	acactaacia	cctgaagaag	300

<210> 1247

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1247

ggccgttggg	cgagatgaag	ctacactgtg	aggtggaggt	gatcagccgg	cacttgcccc	60
ctttggggct	taggaaccgg	ggcaagggcg	tcagagccgt	gttgagcctc	tgtcagcaga	120
cttccaggag	tcagccgccc	gtccgagcct	tctgtctcat	ctccaccctg	aaggacaagc	180
gcgggaccgg	ctatgagcta	agggagaaca	ttgagcaatt	cttcacaaa	tttgtagatg	240
aggggaaagc	cactgttcgg	ttaaaggagc	ctcctgtgga	tatctgtcta	agtaaggatt	300

<210> 1248

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1248
 aaggagtata gatgacatag gtcacctcat tcatgaaggc ctacagaaga acacttcctc 60
 gtgggtactg tataacatgg cttcatttta ctggagaatt aagaatgagc catatcaggt 120
 agtagaatgt gccatgacgag cacttcactt ctcttcagg cacaataaag acattgccct 180
 ggtcaacctg gcaaacgttc tacacagagc acacttctct gctgatgctg ctgtcgtggt 240
 ccatgcagct ctggatgaca gtgacttctt caccagctat tacactttgg ggaatatata 300

<210> 1249
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1249
 atcacatctc tcaagtttta aaatggggtt ttttgttgtt gttgatgggg gggagagggg 60
 ccagcagctt ttaaatgttt tcacatcgtg tggtccaaaa ataactggtt agcctaagtc 120
 acttccaccc tccaatgttg tgaatgcagt ctctagcatt cgctatttaa tgtcttcttc 180
 ctgcactatt tgagaaatcg cgaggctgac ttaataccgc agtcgccact tcgcgggaccg 240
 gagggcgagg tctgcttagt tctgaggact gcgtgggtcc gcgcagagag ctcttgctag 300

<210> 1250
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1250
 gagttcaact gcaacatccg ggcacctcca aagcagatgg tctggtgcag ccgtcctcgt 60
 agcaaggaga gggccgtggt ggtggcctgg gaaaggcggc tgatggtggt gggcgatgca 120
 cccgagagca tccagtttgt gctggatgag gactcctacc tggcgctga gctcgatggg 180
 gtccgcatct tctcccgag caccacagag ttcttgcatg aggttccagc ggccagcgag 240
 gaaatcttca aaattgcctc aatggccccc ggggcgctgc tctggaggc tcagaaggag 300

<210> 1251
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1251
 ggagcgtgga gacagggtag gggcagatgg ctctggactc tggacctaata cctgagggcc 60
 aatgaagggg gttaagcctg ggagttagca gatcagacgt gcttttttag caagatcatt 120
 ctggatctct gtggaaactg ccttgtggtg atgagagcaa accctgagac cactggggtc 180
 cctgagctga taagcaccaa ggcagtgggc cggagagagg agagatgttt aagaggtgtc 240
 ctgggttggg tgcggtggct cacgcctgtg atccagcac tttgggaggc cgaggcaggt 300

<210> 1252
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1252
 cttctgtgtg tggtccctca cttccattt aagtttcagc ctttatctat gtccttttgg 60
 gtgtctgcca tgctgatgat agagctcatc agtctttgat aaatactgtt aggtccttaa 120
 gtgattttct gtgaaatctt acgcatagga tttctgtggt cagggtttga cgtctgatct 180

tggtcgtcag ctccccttgc tcaagaatgc aagtgcatta cctcttaaatt tttaaaagct 240
 ggtaaaactta ataggaagtgc cttctttata ttgcagggtgc taaacttaag gagccccatta 300

<210> 1253
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1253
 gtcattgccc gctaattttt gtatttttgt agatacaggg tttcaccatg ttggccaggc 60
 tggctcttga ctcttgacct cagggtgatca cccgcctcgg cctcccaaag tgctgggatt 120
 acaggcgtga gccactgtga cgggccttac atgcaatttt tatttatagc cagtattaga 180
 gaattactag gaaatttcat ttttatattt agtgggagaa agccatctac agcatgtctt 240
 caagcatgga ctatctgtaa catacagtgt gcttgctttt gaattgtttt agtggttaaat 300

<210> 1254
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1254
 aggagatagg gacagagcat cctaagattc aggagagcat tctagtcaca gggagcagtg 60
 aattcagagg cccaaggtga ggaggaggtt tggctctgtcc aaggaaagca agaagggtcag 120
 tgcagctgag gcagagtaag taggaaggag agagggtcagg gctgagatca gggaggtagt 180
 ctgaggcccc tctgtggggg acctgataaa tgtgtttgaa ttcattttga agtgtaatag 240
 gtccatatta gaagcagaaa ctagaaaagg agttaggctg ataaacatag ggatcataac 300

<210> 1255
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1255
 cctagtattg ctataatcaa gcaggaaatg tttatggaat ggaaagatta aggagggggg 60
 tatgtttctta ttttagcaat aaaacgaata ccagaagctt taacattcac cagtacaaat 120
 aaatagtttc aatggaatag gtcgaaagta aagggaacac actagagtaa atgctagacc 180
 ttccctctcc ttttattttt agcaacagca aagcagaaac taagatctac aagtgatcaa 240
 agaggggtgat ccattcagtt tctgtgtaga caggaataat aataatacct tttacatatt 300

<210> 1256
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1256
 gtttcttttt ttcagagttt tgctgctaag aatatctcct caacatttga cttcattgtg 60
 gccaaatag gtctctgaat tgattcagac attcacacag cttgaagaag atctaaaaga 120
 tgaagatgag tcattgagaa gcaccaacaa agtaaacaga acgaaagttt cagtcccgga 180
 tgcaaatgga ccctcagtg ggagagatacc ccagagtga ctcattctgt atttatcagc 240
 ttgcaaatte ttggacacag cgctttcttt tccacctgac aagatgccat tatttcaa 300

<210> 1257
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1257

gctgtacgga	gagtgcctgga	ccgaggggag	ctgggagcag	gtactgcctc	catcctgagc	60
tgccgtcctt	tgaagggaga	acctggggta	gggttcgagg	agcctggcga	gaactgtgca	120
cctcctcggg	aggagcagcc	ccctcctgtg	ctgctttccc	cctcccttca	atatgctggg	180
gcggagaccc	tgccctccaa	agtgcattc	cgggacccca	aatcccagcg	gacgcaccag	240
gctcaggtgg	cgttcagggt	gtgtgtgcgc	cctggctcct	acaccccgga	accccttcc	300

<210> 1258

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A, T, C or G

<400> 1258

gagccaccat	gcctggccca	tcgtttcatt	tgatccttgc	aacaccctat	gagaatattt	60
agatagaacg	atttcacaga	taatccatag	tgatactcag	ctaacgggtg	gtactgcca	120
gacttgaacc	caccattcct	gnaacttcct	tgatatctct	aattatgggt	taggtctgcc	180
agtttggtat	ggagcagaaa	agaagatgta	agctttctgg	aggtagtagc	tgctacaggc	240
atacantata	tnatctcang	caatagcaag	tccaagtagg	actgatacag	tatacacaaa	300

<210> 1259

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1259

cactacatga	agtcgggggt	ttggttaaaa	tatctgtcct	atttatgaaa	ggctgaaaag	60
agaaaagagc	tattcactac	ccgagactat	aagtttttagc	tgataaaaac	acagcctcat	120
caatagctat	tgaatgaagc	cacttgctga	gtcagtaact	gaatgtctat	gtatgatatt	180
tccagtatca	tgattaaaa	ggagccccga	aatgtcatta	taaggcctag	ttgtggactg	240
ggggcccaga	tgggccaagt	ggagcaactc	tgaaccatt	aaataggagg	agagagagaa	300

<210> 1260

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1260

catagacaaa	ctacgtatca	agcactgtgc	cagacactga	gtacactatg	gtgaataata	60
aaagtctagg	ggtctcagcc	agtataattc	ataatccagt	gagagacaaa	aacatgtaca	120
caggctgtga	tgagtactgt	acattggcaa	atgtgccatg	ctactagggg	atggatgaga	180
tcacagttta	agcttgggaa	gaatgagtga	gacttggcaa	agaagggggg	acaagaatat	240
tatcataaga	gtgaagaaag	ttgggggacc	tcaagtgtaa	gagaagagaa	gaacttgctg	300

<210> 1261

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1261

atgactacca	ttatttttct	tccttctatt	ggttttaa	atatttatct	cttccactgt	60
atgttcctgt	gttttattgc	atgggaaaag	gtaataagt	tcataataa	cagccatctt	120

aacatgctgc	aggaactgtc	aagtaacagt	gattattgta	aaaaacgagc	tttctaattt	180
ccttgctcgt	tacagagtaa	tctaagttaa	aatttccaac	gtcctatcct	tacaaagaaa	240
caaatacatt	tattttttcc	tctaattgaa	gaacttatgt	acatgattcc	tacttgatgg	300

<210> 1262

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1262

cccacacctg	ccatattgaa	ccgtttctgc	actaatcttc	tccacgggca	cggagtggag	60
ggaacgtcct	gggaaagggg	agagcttgac	ctccatctag	gtttctttta	tctggagaaa	120
aagaacactt	ttgaactatg	taatgcttcg	ccctgaaagg	caagctaacg	ctaacttccc	180
aggtgacagt	agcaggaaca	aggaagggtg	atgtttccat	gacagacact	tgcttccctt	240
gggacaagtc	ccagaagaac	tacctgaagc	accaaagctc	cccaccccag	cctggtggca	300

<210> 1263

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1263

acttttttaa	cgaatggggg	aagggatcta	tgagaaaggt	ggtatcta	ttttttatgg	60
accataaagg	tttaaaagaa	aataggggca	caggctgttg	aggtttttat	gttggtatag	120
acctttttta	attatggttag	agatgtatat	aggtatttaa	aggtcactgg	gagcgtttct	180
gattcccggc	cacactttgc	atttcaacac	tcagcccggg	aagatgctcg	ttcggttggt	240
ggacctcttt	cactccctgc	gtgtaagaag	gtgaatcacg	tgggaaaaag	tgatccttag	300

<210> 1264

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(298)

<223> n = A,T,C or G

<400> 1264

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cggtagatca	tcaaaaaaga	cttttttggg	ctggatacta	attctgcgaa	aagtaaagat	120
gtataggcat	ctgggtgttc	agcatacata	actgaagcat	gtgaaacagt	atcatcctcg	180
ttagtagagg	aaaacaaaaa	cccttctttc	cgtcaaaatt	ggatttgtaa	ttaaattgta	240
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<210> 1265

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1265

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gattttttga	agaattcggg	cttctttaag	acgatccatg	cccaaattcca	caagcttggt	180
gacagtggat	tacagtttgt	gtggcaaagt	ccaagttggt	acactgtgct	ttaaaaaaa	240
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<210> 1266
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1266
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 ttgtgatgtt tgtgtctcac gtgtccgtgt gaagagacca ccaaacaggc tttgtgtgac 180
 agggcaaggg tagaaatcat gttccagaac tcagtgaagag ttgtaggcat gaaagaggag 240
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<210> 1267
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1267
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 atcactgatt cacaggggag caggcggagg caaggggtgag tcagtgcctg gaactcagtc 180
 atccagattt ggctctggaa acttctgaag ctgtagcctt tggggatccc tgactgcgag 240
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<210> 1268
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1268
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 cccaggggaa tccccagcaa gggttcttct ccagcttctt caccagcaac cagaagtgcc 180
 agcttaggct cctgaagacg ctggagacaa atccatattg caaacttctg cttgatgcta 240
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<210> 1269
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1269
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 ctgaggcagg cgaattgctt gaacctggga ggcagaagtt gtgggtgagcc gagattgtgc 180
 actccagcct gggtaacaga gcgagactcc atctcaaaaa aaaaacaaac caaaaccaag 240
 ttcccactgg tgatgcctgt ctgacacggt ttggtattta gtaggaaatg aagtgtttcg 300

<210> 1270
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1270

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ggagagccat	tctcaaatct	gacctctggac	tgagctcgag	agctgggttg	agagctgggt	180
tgatcaaagt	tgggattttg	ctattattgt	gacaaagggt	ccagccttgc	agtccagatc	240
ctgaaaggcc	tgggacaagg	ccaggttaatt	tggggagtcc	gtcctgcatt	gtgcaggatg	300

<210> 1271

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1271

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tcacccaggc	tgaactgcag	tgggtgtatc	taggtcact	gcaacctcca	cctcccaggt	180
tcaagcaatt	atcctgcctc	aggctcccaa	gtagctggga	ttacaggcat	gtgcaactca	240
cccagctaatt	tttgaatttt	tagtagagac	agggtttcac	catgttggtc	aggctggtct	300

<210> 1272

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1272

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accacctcat	gagtctaaaa	acaatgataa	acccaggga	gcttgctgaa	gagcatcctc	120
catttggtta	ttgtctcttg	tctaggaaaa	tcagactcag	ctgtgaattg	tggaccaagt	180
ggtgcagaac	tcattacttt	gaacaatgcc	tcctcggcct	gggaagcatg	ttctctcttc	240
tcactagcag	gggctttatt	caggctggct	ttggtcacaa	ggaaaatcat	ttagacacag	300

<210> 1273

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1273

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tgggtgaatg	tttttatata	tactcaact	tcctcgtcc	taaaaggaca	cctaattttg	120
ttactattga	aaatttttat	tttgggtggc	agaatacgaa	atcgggagag	gtaaccctaa	180
cagttgtctt	aggaaaaggc	agattctcag	aggcaatggg	ctatcaacaa	aatagggtgct	240
aagcacattt	gtttgtaatg	atcattcata	taatttagaa	gatttatggt	aacagtttat	300

<210> 1274

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1274

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ccaggaggcc	tgcttgagg	cgggtgctacg	tcgactacag	ggacagtgtc	ggcagggaact	180
ggccaggctg	gtgggagccc	gccctggtct	catctggatc	ccgccacctg	gacgctgagg	240
gcctgtcgac	gggccctcgt	gtgggaagcc	tgccctggcc	cagcctggct	gggtcttgga	300

<210> 1275
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1275
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 catcaaccat aattttttacg tgcctctaata tgtttcttca cagattcatg ccatgttcag 120
 tttaaaagag tctgtttctt ttaatacatt atctttgaaa tgcctcttac tgaggaatga 180
 ctaaacttct tctgaaatgt gctctctgga ttgaagtaa gagtacatgt tgcaacaaag 240
 ataatcatga ctttttagtat taagagacaa ttaccagatt gagggtact tagaaaagtt 300

<210> 1276
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1276
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 caagtcctcc taatgggac ccagaatgcc catggaggaa gcagcatgtg cactgtgctg 120
 agtgcctgagc aggtatttcaa gagagcaaag gcagagatgc tggacagggc agcacaggag 180
 gacgagtgtg catggtcact ctgagcaggc ctgggttcctg ggctgggttg agcacagcat 240
 ggggaactga aaggcagaca ctggccaaga aagtccttgt gcagggtctc agaagtgagc 300

<210> 1277
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1277
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 accctcatag gcttattata aggtcaatt atgataatgg tgtgaaaact ttgaaaatta 180
 gacttcagag aaattgagtt aatctgggat tatttatcaa tgtcttagta accaaaagtt 240
 taaaatgtgt tttgtctacc aactgggtgc atgtacatgg ttaatccaaa aggtcagct 300

<210> 1278
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1278
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 caaatctcaa cccaaacaac aattgttatt tttgtacatt cccttccaga ccccatgtgc 120
 gagctctact gcattgccta tttgcaaacc ctatgtagcac aagaggacaa ccacaaacaa 180
 cctgacattc gaagtcacac aagcgcaagt ttttcccatc atgcctagtt ggcaatcatc 240
 ggctgagcag taaatcagaa ttttgtcccg aatgttactc acctgttagt cgcagccctc 300

<210> 1279
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 1279
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 aaaaatacaa tggcttattt aaaatgtccc tatgcatggt gaaatgttaa ataccaagtg 120

gatgaatggt tctcaaatat attgtaatgg agaattattc acatgcatct attgttttaa	180
ctaataagta aaatagacct cctttttctg ttctgtttta aatgtgcact aaaattacct	240
gcttgtggtt aagcatgggc tggacagttt attgattttt	280

<210> 1280

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1280

cettgaattc ctgggcccac gcaattctcc cacctcagcc tcctgagtag ctgggactac	60
aagtgtgcac caccatgcct ggctaatttt ttgaattttt gtagtgatgg gatctcgctc	120
tgttgcccag ggtggtctcg aactcctggc ctcaagcgat cctcccacct cgacctccca	180
aagtgtctggg attacaggtg tgagccacct cgcttgggccc cccttctcca tatgcctcca	240
aaaacatgtc cctggagagt agcctgctcc cacactgtca ctggatgtca tggggacaat	300

<210> 1281

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1281

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tgatgtttta gccaaccccc caggaccaga agaccaggat gatgatgacg atgcctatag	120
cgatgtgttt gaatttgaat ttccagagac cccctcttta ccgtgttata acatccaagt	180
atctgtggct cagggggccac gaaactggct actgctttcg gatgtcctta agaaattgaa	240
aatgtcctcc cgcatatttc gctgcaattt tccaaacgtg gaaattgtca ccattgcaga	300

<210> 1282

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1282

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gcaaagccag ccaaagggga gtgagagggc agtcaagcgc ctagaagcca aggaacccca	120
ggaggatggc atcgggcagg tgcctcctgg tgcccagaga caaaaagatg tgtgggaagg	180
tgacagaatc aagcggtaag gtcagtgcct tgagggagca ggcaaccacc agcctccagt	240
gacacttgcc ttccacaggg atcctggagg tccccatttg ggaaggtgga aaatctcagt	300

<210> 1283

<211> 296

<212> DNA

<213> Homo sapiens

<400> 1283

gtctgctgat aaaatattta accccaagaa agtgaaaact aatataaaat tagaaagacc	60
tatccaaatt agacagtcaa ttccattaaa ataagaagtg agaaaaacaa tgttgggcat	120
tgagggtgtaa attttgccca gatgtatacc cagtgtgaaa tatcttctaa taaaaatata	180
tttggtctct atccctgcac atgtagaggc ataaaaattg gtaaaccatgt cccgctgtgt	240
agaactttta aaaaaaggca tttttgaaag tgttgagtgg cactgataaa ctggtg	296

<210> 1284

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1284
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 tgctcctgtt tgggtccagg gcccctgggg gcagaccggt gatccttacc agtgggaagcg 120
 agccatcgag ccattggcag aaatcctgct gaatgtcatt cagaaacctc agcccatggg 180
 cgccctcctg tgccctctc ctgccgaaa gccctgcaac attctagggg tgggggcagg 240
 gccatccacg gtttctgggc agagccatgg tggcaggaga gagatggctg aagcctgagc 300

<210> 1285
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1285
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 ctgcctgtaa gtgtagacat gcacactcag ctgaccttac tgttcaaaag ctggagaaaa 120
 agaaacagct ttcatacagt gcaaactgtc tacgtctatg taaaagaatt tgagaaacat 180
 ggcagtagcc attgctaatt aatctgggta tgtgtaaata gtttaacttg atttttgact 240
 ctgggtgttg gatctatttt aagatcgatg gagttaattg cttcatgaca gttcttatga 300

<210> 1286
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1286
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 acagttcttt acatggctga ttcagaaact ttcattagtc tggaagagtg tcgtggccat 180
 aagagagcaa ggaaaagaac tagtatggaa acagcacttg cccttgagaa gctattcccc 240
 aaacaatgcc aagtccttgg gattgtgacc ccaggaattg tagtgactcc aatgggatca 300

<210> 1287
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1287
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 gctccggatg gggaaggaaa aggtctggtt gcctaaccac ctccctcctc atccaaccct 180
 gaaaccccca ggatgtggaa gaaaaacagg tagcattttg ctttcataat gcaaagacct 240
 aaagatgcat ctgtgtttgt caggcatgta tgcattgtgt cctgggtgtg cacatgtgcy 300

<210> 1288
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1288
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 tgggtgcctcc tocagctact actaccccca ttagtcacct agtaaaaaat gacgacattt 120
 catcacctgc acatgaaccg ctttccccc atttcttaac catgaatttc tgtgtcttaa 180
 attattaatg gctaagacta ggtctggcag ttaatttctc tctcctggat ttttggccca 240
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<210> 1289

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1289
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 cgcagacccg agaacaggag cttctacctg gccctctaca agcagatgag cttcctggag 120
 aagcgaggct gcccgcgcac ggcgctggag tactgcaagc tcatcctgag tctcgagccg 180
 gatgaggacc ccctctgcat gctgctgctc atcgaccacc tggccttgcg ggcccgaac 240
 tacgagtacc tgatccgcct cttccaggag tgggaggctc atcggaacct gtcccagctc 300

<210> 1290
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1290
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 agagtttagac caagctgcag cttttgaggt gaaaggggat ggaagaaagt actgttactt 120
 ttccacttag aatttttggga ctttgttctt aatgaatagg ttcatthttca atttcaaagc 180
 aaagtgttaa cattttttaa atttgtctca attttaaagg ccaaacttaa atatgtctoc 240
 tcctactggg gcatggagca agttattcat caaatacaga ttctcgcatg gaaaagaaag 300

<210> 1291
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1291
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 tccaaccttc taactaactc gtggtgttgg agagtattaa gcatttgaaa agttcaggta 180
 gaattttcat cctttttgag ctctttccta gctgctttgc tgtgatatat ctgtcactcc 240
 agatgagggg gtagtggtgg aaaaggaatg cattctcaga ttcattgttg gtagttcaaa 300

<210> 1292
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1292
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 gctcagcaat ttcgggcagt tggtttgatg gttatgtagt aatgtagcct gagagcagaa 180
 atacagagcc tctgggctag agaaagtata aatggcatcc taggctatgt agggttacag 240
 ctcttcagaa ggaactttca ttttcattgt gacacatcgt ctacatgttg tagaagaaca 300

<210> 1293
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1293
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 atgtagcatt tatgagcctt aaaaaacaaa caaaaaacct taagatgtta aatttattcc 120
 aaggattcct tttttttgtt gtacatgaat gttcatatca ggttttattg taatagccaa 180

aacagtatac acctgaatgc ccaccaacaa gtgactagat aagcaaagta cggtagatgg 240
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<210> 1294
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1294
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 tgtcctaccc aaacctgtgg ccgccacttt tgaattctca gattgccctg aattttgcca 180
 ctttttaata atgtgctgaa taagctcagc aactaaaaac cattacccaa gaacgtttct 240
 tgtgagtgag ctgattttatt ctgattcatt atattccttt tggtagattt tatacccctt 300

<210> 1295
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1295
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 agatgctttt cccaggcaca aattgggaat ggaaatcacc tagttccgtt ccctctgaca 120
 gctgtaatcc agagagctaa gctgcttact tcattagctt ggtataagct gacgacagca 180
 gtgcccttgc tttatatttg tcagagctag gaaataagcc ttcttttttt ctgctgtaat 240
 catagttacc cttgaactga aatatcttac atttattctc aagcaggtag ggagaggaga 300

<210> 1296
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1296
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 atgaataaga aaatttggtg ctatttttct tcttccaaat tagaatctat atctctaaaa 180
 atactttgca tgttttagtaa acatccatct tgaacagaag ataccttgac atcagttcta 240
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<210> 1297
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n = A,T,C or G

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 gttcttttct tgtaaaaaaa aaaaancggc nnaacaaatnt tggccttnt agctnnggna 180
 ccccnnggcg gncaatccct nctnctctcn aagcctcggn ttcctccctt gaaaagttaa 240
 gaaaataact cctaaactgc ctcccnaggc ttgctggcag gatccaagg 289

<210> 1298
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1298
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 taacagaaag agagaacctt ggagttactc ccttaggctg gttaaagtga aaggtagcca 180
 agtcaacca gcttgtttcc ttctctcatt aggaaagaac tattgttcat tctcataaca 240
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<210> 1299
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1299
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 aatgtcactc tgtaaagagt aaaaaattta ggatgatgat acgatctggg aaaaaaggc 120
 atattgaaga ccacttaaaa acaaacaaaa aaacctatga aggtgcatgc tatttcccca 180
 gagctaaaaa gataagtga attgtgtttg aactcttaag tggaggtgaa gcagaattta 240
 ttagccacca accacataag tgattatgaa gtaactgaga aacaggtaac attttttccc 300

<210> 1300
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1300
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 gacttttttg tttttgtttt tgttttaagc agtaccattg tgcaccttgg gaaaattcct 180
 gtgttgatct aattttacca tattcttcac tccactgacc actccaatta ggatactcct 240
 ggcactcttg gtttttagaga ggcttagata tgtggctatt tatectttgg tcttcagcac 300

<210> 1301
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1301
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 ctgttaagaa tcccaaccac acactttcac acactattcc aggttctggc tactgaatga 120
 tcccacagct gaggtctatt gtcategctc cacttctatt tttagcagca ctaaaaacat 180
 tcccaaaaaa aatgtttttt agctttttta ctgcgattca ccactaagaa attggcattg 240
 gaacagtcca cagagcttat tcaaatttca cccattttac atgcactcat ttgtgttgca 300

<210> 1302
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1302
 ggtacacgaa gaggtgataa tgacagccac caaggagatt tggagcccat tttagaggca 60
 tctgttctat cttcccatca taaaaaagc tctgaggaac atgaatacag tgatgaagct 120

```

cctcaggaag atgagggcct tatgggcatg tcccctctct tacaagccca tcatgctatg      180
gaaaaaatgg aagaatttgt ttgtaaggta tgggaagggtc ggtggcgagt gatccctcat      240
gatgtactac cagactggct caaggataat gacttctctt tgcattggaca ccggcctcct      300

```

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<210> 1303
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (299)
<223> n = A,T,C or G

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```

<400> 1303
gtgctgtctt tcctgagccg ctacagtaaa agtgaagaca tggaaaatta tcccagatgg      60
gacgaatcgc tcattctctg ttcttttttt aaaaagaaaa gatttcagaa aaaaaaaaaag      120
tcgtcttttt ctttaaaaca gtatgaataa aatctggaca gctgtcgaaa aagatatgcc      180
gtctgcattt ttttttaatt tctagccacc accataacta aatagcttga atagaacctc      240
ttttcttttt tttccccttc atacataang atctctactt cnttaaaagc gtattaatc      299

```

```

<210> 1304
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1304
gattcatttt tgtactagtt aatatcaact ctttctcaga agtagtcaaa atataaatag      60
gaagttcttc aaaagtaacc caggagcaac agctgagcag tgccagagtt gtgaggtaaa      120
catcaatcat ttcacaaatg ttctgacttg ttgagcagtg ttcatttcca ggtttcaaac      180
ttaaagtatc tattaagcaa tcttaaaaga aagaacaccg ccttaggaaa aaagagattt      240
gccaaactct tcatacttcc ttcaataact gcttagcaaa cactcttgag tgtcttctat      300

```

```

<210> 1305
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (298)
<223> n = A,T,C or G

```

```

<400> 1305
ttgctctatg tgatgtttat tatcaaatac atataatttt gaagatttta atgaatggct      60
taagatttta tctttgtgta gaatgtggct aaagaaacct tagttgagat tcaagaagtt      120
ggtgtctgtt tctgattctt atcacaactt gctacttagt gtctaccaag tctccacct      180
ctttgctcct caaagagctg tgaacactga tggcaggagc cggcaccacn ccacnnactt      240
agagancnnc ncanagctgc catacnggcg atcncctgacn tcanacttcc ccctctaa      298

```

```

<210> 1306
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1306

```

gcttctcggt	ccccaggggg	ccgcttgggc	tggttggtctc	cagagcaggg	ccactgggca	60
ctctgtgatg	ggggagcctt	tgtctgaaag	cacagccccc	tcgcccttcc	tctccccatg	120
gcttccccct	cattggcatt	aatctgggca	ccagctctct	ccatagcagt	gacttccctc	180
accactctca	tctctcagcc	ttgccttttc	ttcctgacac	tgtcgcccc	tcctctcagg	240
agacactgcc	gagggccacc	tggcagaagg	ctgagttagg	cagcagggcc	gggagcgtct	300

<210> 1307

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1307

gtttgttttt	cctgagacaa	gaaaatcgca	ttcttgttta	tatttgaaga	tagcaacttt	60
tagccatcat	gtgaaatatg	gttattgttt	ctgtacacct	ggaacgttgt	agtgcctgat	120
actgagatgt	tggaaacact	gaagaattat	agcattataa	gaattttaaa	tttatgagaa	180
aatctgagac	aggggagag	atggctgatt	ttgatcttgc	tggatcttag	accatgagaa	240
tgacaggcct	gaagccctga	aatctcacct	caggggtggag	tgtcagactt	ggcaactttg	300

<210> 1308

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1308

gcatttttaa	tttttgtcag	tgctcttcat	gtctcagctc	ctgtcttcca	ataattttct	60
gaaaaaggta	atgtgttctt	taaatgtgtt	tataaaaagg	tattctgctg	tctccaaggga	120
actgttctca	accagtagaa	gtagcttggt	aaatggctca	tgaaaatggg	aggcacgcct	180
ttaaagataa	tagaacaaga	aagtacgttt	caccatgaaa	agccgttcgt	catgatctac	240
tgagatggaa	cataatgtaa	actctgtgac	tcagtgggtt	cattottaag	tgttgtgtac	300

<210> 1309

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1309

ttttgacatt	gttacaagta	agcagcttta	ttggttcttt	tacttacgtc	tttaaatata	60
tggagcaaca	gtacggctcag	tctgcatctc	atgctaactt	tttgttggga	atcataacca	120
ttcctacggt	tgcaactgga	atgttttttag	gaggatttat	cattaaaaaa	ttcaaattgt	180
cttttagttg	aattgccaaa	ttttcatttc	ttacttcgat	gatatccttc	ttgtttcaac	240
ttctatattt	ccctctaate	tgcgaaagca	aatcagttgc	cggcctaacc	ttgacctatg	300

<210> 1310

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1310

ggacaagtcc	aagaaactgg	cggagcaggg	tgcagccatc	gtctgtctgc	ggagccaggg	60
cctccctgag	ggtcggctgg	gtgaggagag	cccttccttg	cacaagcgaa	agagggagggc	120
tcctgaccaa	gaccctgggg	gccccagagc	tcaggagcta	gcacaacctg	gggatctgtg	180
caagaagccc	tttgtggcct	tgggaagtgg	tgaagaaagc	cccctggaag	gctggtgact	240
actcttcctg	ccttagtcac	ccctccatgg	gcctggtgct	aaggtggctg	tggatgccac	300

<210> 1311

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1311

cctgaacctg	cccatggaga	cagttgtggt	gagggttgcc	acacacagt	agggcggagc	60
aggggtggctg	agggcacagg	tgcttgggtc	tgtcccacgg	ggcagggctt	tggggctgtg	120
atgctctggg	aagccagctt	gggtcctggg	tctacagagg	gccctggccc	cggagcccag	180
ccagctctgc	ctctctcagg	gcctggagtc	ctgggggagc	tcagccagct	ctgcctttct	240
cagggcctgg	agtcctggat	gaatcctgca	ggtttttggg	tgcaccggcc	cagggaggaa	300

<210> 1312

<211> 132

<212> DNA

<213> Homo sapiens

<400> 1312

gatcagtgaa	aaacattagt	atacgttttt	aaataggcta	atttttcaac	ttggatcatt	60
aggttacgt	actactgtt	tcaaattgtg	caaatacaaa	aatggtaact	aggttgacag	120
atactttgta	tt					132

<210> 1313

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1313

aatgaagggt	ggggagaaaa	gaaagcaatt	taggagactc	tataggagg	aaaggatgag	60
atgcatttca	gaaacaaaat	attaacgtaa	acagaaaaaa	gagaaagcaa	tcatgacaaa	120
gcctaagagg	gctagtggaa	tgctagaatg	aactcattta	ccttcctttg	atatttaggg	180
gctctattgc	ctgctaattt	catcactgtt	atttttctta	cctcttatct	ttttccctgt	240
agttattatc	agcctaatat	tcattcattc	attcatttac	ctgagttttc	aggcttgtgc	300

<210> 1314

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1314

gtgatatgaa	aagcgaatgc	accattttct	ggtgatgatt	caggtcagcg	ttgggaccca	60
ggaatctcct	gttaatcagt	accctgggtga	ttttgatcca	ggcatcaag	accatggctt	120
ccatcgtagg	cagtcacact	ctttctctct	tggatcattt	gctgtgggga	agcaaaactgt	180
catatgagag	gacactcaaa	cagcctctgg	agtcctattt	gctaaggaa	tgaggactcc	240
agcctgagaa	ctcaggcaag	taactgaggc	ctgccaacaa	ccatggagaa	agcctggaag	300

<210> 1315

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1315

gctaagggtta	aatagtatgt	attcctttct	tacagttttt	actctaagat	agctatttcc	60
tcagtgttaa	ctcattaaat	tacttgataa	gaaccagctt	tatattgtaa	gatgtgtaag	120
cagtgaggagc	aatgggtggaa	atagcctttc	tattttattt	acccaagtct	gtgtactcct	180
catccttacc	agggccccta	actgatcttt	ccactaaatt	atgtgtgtca	cagcgaaatt	240
aaaattactc	ttccaaagt	caactcta	catggcactt	aagggatttt	cctttactta	300

<210> 1316
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1316
 ggtagcacag gcctgccctt gcacccatgc tgtacagtgc ggttactaga cttgtggccg 60
 ttgttgtgct gtcttctcat tagcatgcaa tattcacttg actgaattcc ttttttagcta 120
 agagaaatat tacagggcat gatcatttta ggttattaag gtgtctaact caatatgtaa 180
 actgctgaaa agaattatat gtttttatca gataatctca acattttcaaa agacaacaca 240
 ttcagactac tcccccttcc ccccaacttt tatctagtgt ctgaaaccac atgactagtg 300

<210> 1317
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 1317
 gcatacctgtc cttgggaacc aatttctcat tattgtcagc cggtcagctg cctgc 55

<210> 1318
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 1318
 gaggaagtga gattgtgcat gacatacttc tcctttgtat tctctcagtg ccttacagca 60
 ggttactcca ttctgctatg acaacttggt tcaaagtta atttacatag gattttttat 120
 aagccattaa ggcataatgta tagtatatca gtaaagatgg atgggtgcata tataaatagt 180
 cttctgtaat agtgattgga tttacttctg gattatnaga gactcaaaat nttccccanc 240
 ctgtctctat ccttttcnag gttgatccct tgtcatgatt tttcattacg gtggttcagg 300

<210> 1319
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 1319
 cctcatcagc aagccagtga gaggtgcct atccgaggat gatattncat cacctctggc 60
 agattctgct tactagtcag tccccaggcc caggccactc gcaaggggag gacattacag 120
 gaggcgtgag tataggtggt gtgatctgtg gggaccgtcg cagaggctgc ccaccacaag 180
 gggttaaaac ctataaaact tcgaagttgg atttaataat tttcaattac taggaaatag 240
 ataaaaacaa attttctgtc cttcacagaa cactaaagta tgtattggat tttttatccc 300

<210> 1320
 <211> 300

<212> DNA

<213> Homo sapiens

<400> 1320

gtacaactct	taaagctttc	tacattttac	atatacagtc	atctctcagc	atccgaggaa	60
gattggttcc	aggatggctc	aaggtcctga	tataaaattg	cgtagtattt	gtatataacc	120
tatgtacatc	ttctcgtatt	ctttaatctc	tagattactt	ataatacctg	atactatgta	180
gatgctatgt	aaataattgt	tatactgtat	tattttcaaa	ttgtttttatt	gctattttta	240
ttgcttttcc	ctgaaatatt	tttaatccac	agtaggcgga	tgcagaacct	ctttatacgg	300

<210> 1321

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1321

gtgaattcct	cagcaccaag	ttgtttaaca	cagaagagag	gtggaaacaa	aaaatgcttg	60
gattttactg	gctttctttt	agcatttctg	tctagtgcga	atgggggcca	ggcttgcaca	120
catagacaac	tgaatgaatg	taaccggacc	tattccatct	aggctgacct	cttgaaagat	180
aggaggggaa	gtctaaaaca	ggagaaaagt	tttagaaatc	ctttggatta	ggcttaccga	240
gattagtggg	atgtaaaata	ttatgatatt	cttagtggtt	caggattatg	gatttttaagt	300

<210> 1322

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1322

taaacatcca	gatgtgtttt	gatagcctgg	ggtaattaag	gttgaggaca	agtgtaccag	60
atcaaggaga	ggaaccgctc	ccatgcctgc	cgtgtgttca	ggtggctaga	cttgttgttg	120
catctgttag	ttccactctt	agtacatcat	tgtgctgtga	ggtgtcatta	gccgccgttt	180
aatttttctt	ttgttttttag	agacagtgtc	ttgctctcac	cccggcttaa	gtacagtgc	240
atgatcatag	ctgactgcaa	cctcaaactc	ctgtactcaa	gtgatcctcc	tgtcttagtg	300

<210> 1323

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1323

ctcgagtttt	cttatccagt	tgaggccgcc	ttoctgttac	tcaactctctg	cctccacccc	60
catcttctgc	caccgcacct	ccatctttga	tggttagcgc	cttcagccct	caacagcttc	120
gcacaaccaa	cccctagaag	ccgtggagtc	agaccggcca	gggtgggacc	taggttttaa	180
ctcgggttct	ggctacacac	gctgcgcctc	catacagttt	gtcccagggt	tggcagcagg	240
ccggctacct	tcaggaattc	tttgctttgg	cttctgtctg	ttcctgtctg	ttgggcaagt	300

<210> 1324

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1324

cgccgggctg	cccagcctgg	ctctgtctac	actggccgag	tctctgggtc	tgtctacact	60
ggccgagtct	cgcactgtct	gtgctttcac	ttacactcct	cttgccaccc	cccatccctg	120
cttacttaga	cctcagccgg	cgccggaccc	ggtaggggca	gtctgggcag	caggaaggaa	180
gggcgcagcg	tcccctcctt	cagaggaggc	tctgggtggg	gcctgctccc	catcccccca	240

agccccacca gcactctcat tgctgctgtt gagttcagct tttaccagcc tcagtgtgga 300

<210> 1325
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1325
ccttggggcca gaccctttcc cctgggggtgc tgatttcaca cctgtaaaat gaagaagttt 60
gacttgcaca gtgcttttct tagactgtgg taaggggtgg atgtgggggt agtgccaaga 120
ccaagtgaag gaggtctctg gacctccatc cttgcttcag ccagagcagc gtgggttcat 180
ttcatttttg gattttggtt tgtgggaaga aagggttctc ttgccggtgt gtgtgtttct 240
gataaacaag gaagtgtgga agtggctgaa tgagatgacc caaggactct ttctgggaag 300

<210> 1326
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1326
tttagagaaa gctggttagct aggtgtttca aggaagggcc tctgtgagaa aggggatggt 60
tggctgggtg tgggtggttca cgctataat cccagcactt tgggaggttg ggagtttgag 120
accagcctga ccagcatgga gaaaccccggt ctctactaaa aatacaaaat tagcccgga 180
tgggtggcaca tgcctgtaat ccaggctacc tgggaggctg aggcggggaga attgcttgaa 240
cccgggaggg agaggttgta gtgagccgaa atcatgccac tgcactccag ccgggcaatg 300

<210> 1327
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1327
cagctactcg ggaggctgag ggcacaagaa ttgcttgaac ccgggaggca gaggttgcag 60
tgagccgaga ttgtgccacc gcactccagc ctgaatgaca gagcgagact ccacctaaaa 120
aaagtaaaag aaaaaaaaga ggaagaatta gcacatttct attacagaat tggacttgaa 180
catgcaaaat catgtctgga tttctcagtg aaaagctgtt ttacgttagt ggactcttct 240
aacattttga aatggtgatc tggatttggg atctggctat cactgacca cettgggtct 300

<210> 1328
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1328
ggcaaggagt ttgaatttta ttcaagaatt ttattcaaga attttattta ttttattctt 60
gaattttatt caagaataat ggctagccat tgaagagttt aaagtaggga aacagtgtct 120
tcttattcac attttgcaaa gttctccatg ggctactatg tgaataatca gtccaagggg 180
gaggtgaagag tagaagttgg gagactagtt acaaagtcac tgcagtttgg agattatggc 240
accttggact gtaggtgata gggatggaga tgacgataag tgaatatatc cagaaaatat 300

<210> 1329
<211> 294
<212> DNA
<213> Homo sapiens

<400> 1329

gtcagaatgg	ggaaagtggc	aggatgcagg	caaacatggt	cttaatttag	agacacgatg	60
aaggctcagg	acttttcctag	gcagataaaa	gaagaaagaa	gctgcttttt	gaaaagaggg	120
atcaagatta	tgacaaaaag	ggagattcag	ccatcagcag	aacccaaatg	agagcctaca	180
aagagacact	gtctactcag	agtacatctt	cagacatcca	gggtcccaag	ctactgtgtt	240
tactgttagc	ccttatccat	tggtatgtct	tactgcttta	taactcttct	ttaa	294

<210> 1330

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1330

gtggatacct	ctagtgaat	ttataagcaa	tatcgtttac	aaaagggttac	agagaagtat	60
ccagaattgc	agaatttacc	tcaagaactc	tttgctgttg	acccaactac	cgtttcacaa	120
ggattgaaag	atgaggttct	ctacaagtgt	agaaagtgca	ggcgatcatt	atttcgaagt	180
tctagtattc	tggatcaccg	tgaaggaagt	ggacctatag	cctttgcccc	caagagaatg	240
acaccatctt	ccatgcttac	cacagggagg	caagctcaat	gtacatctta	tttcattgaa	300

<210> 1331

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (298)

<223> n = A,T,C or G

<400> 1331

actttcaaca	tttcatggat	agaataagta	atgggtgggt	agaagaagga	aaacctgggg	60
atctagtctt	tagctggggt	ggacaatttt	gaagctcgaa	tgacaataaa	taccagcttg	120
gaatgaactt	ggaacaaaca	tggatggaaa	tctgggggtca	agggaaaatg	gcagtttcag	180
gggaatatac	cagggttaata	aatccnggaa	aaactgnttg	gtttgngggg	gnctccacca	240
cttggaagtt	gctgnaanna	ttgatgnaaa	gaactctgaa	annaaaaggt	gttgggca	298

<210> 1332

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1332

aggatatggt	gcactagtgt	ttccttggtga	ctggaatatt	ctctgcccaa	actttgaaag	60
gctagttagt	tactttctcat	cattcggggt	taggttaagt	gtttcctcct	tagagttctt	120
ccttgattta	tcttcccccc	agtctaaagt	gccagtcaca	ttaatctggt	ttattttctcc	180
atacagcact	catcactgat	tttttaaaaa	tctattttgc	catctttctc	tctcactgga	240
atattatgtg	ctcatgaaga	agctccttgg	ctattttggt	cctgatcgtc	tgcgctgcat	300

<210> 1333

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1333

aaaaatttta	tggacttcta	tggatatttc	ttgatgctta	gagatttggt	tttttaattg	60
caaatgtgaa	tagtctatct	acaaatgcta	ttacatatgg	agcgggcctg	tgggtgatgg	120
cactattcct	tggactaatg	gtacccagggt	tccattctct	gctcagctcg	gaggctctag	180

acaaagcccc taaaatgctg tctgcttcag tctccttaat ggtgaagtgg aaatgaatac 240
ctactgtcac ttaactcatg gagatgctgg actgataatt agatcatgta agagcacttt 300

<210> 1334
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1334
ggattttctcc tccttccgcg cttttctgctg gacactggct gtcagctctg ggctgggctt 60
tctggggggcc acacagctgc tgaggcgcg gggtgaggcg gcccgaaagg acccagggtg 120
ctcaggcctg gttgtggata gcggcctgtg tggagaggag ctgctttag gcaagttagga 180
ggcggacagc atcaccttgg gccggtatct ccggcagctg gcacgccatc ggaacttcct 240
gtggttcctg agcatggacc tgggtgcaggt gcagtggctc acgctgttaa tcccagcact 300

<210> 1335
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1335
caagaagaaa catggcggt atccttctct cacatcgaaa aggaaatttt gaacaatcat 60
ggaaaatcta aaacgtgctg tgaaaacaaa gaagagaaat gttgcaggaa agattgttta 120
aaactaatga aatacctttt agaacagctg aaagaaaggt ttaaagacaa aaaacatctg 180
gataaattct cttcttatca tgtgaaaact gccttcttcc acgtatgtac ccagaacctt 240
caagacagtc agtgggaccg caaagacctg ggcctctgct ttgataactg cgtgacatac 300

<210> 1336
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1336
aaagcctaac tagttatgat aaatgtatcc gtaagtaaag taattaagcc agtttggggg 60
tggcagagga attgtgccag acatctgtgg attttgctac ccagcagcat tcgctcttct 120
cctggttggtg gggccccagc cctggttgta ttacctggaa ctaaagggtta agatgatggg 180
tcaaagatga agccaccatg gaagagagca tagcggacag atggagagaa actgcatcca 240
ggtgacccca tttgtactaa acctggttac ctggttttcc tttagtacat atgccagttt 300

<210> 1337
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (292)
<223> n = A,T,C or G

<400> 1337
ccctcttaaa aatacaaaaa tcaaaaagag gaaaataagt taaattaagc ccaagtaaca 60
aaaactactgg aattattaaa acgtatagta tgctagctat ctttttaaat tatgctaatt 120
ctcttcttct gaaattatgg tcacactata tactatagca tttcgggttt atcctttgat 180
aaaacttttc ttttttctt ttttttttga aacagggtct naccctctcg nanaggctgn 240
agngcagggg caaagnctcn actnantgca gccttgacct ccnggnccca gg 292

<210> 1338
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1338
 caaagtcata ccaaaacttc acttaagagt ccctaccctt actccagtgc ttatttcatt 60
 atctagcaga atgtaccttt atttgattca ctatttacca ctgattaaag tggagcgtct 120
 gtggagttat acgttacttt gtagactttt gtctagtga atacaaaaga caaccccaaa 180
 ggttataatt tttttgccta tagaacattt caggaaacag gagtaggatt tttgtctata 240
 atatagcaaa cttgcttcaa cataccttcc acaacttaca aatgctcttt gaaccagcct 300

<210> 1339
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1339
 gcatttggcc cattggcgcg attctgctga cccatcacct tgggtgctttt tctgcttttt 60
 ctctgttgtc ctctgtgtgt gttcctttgt cctgacccct gtcaccttgt ggggccaaaa 120
 tgggtccact agcctcatgg agcctggcct tacattgcag agtccaaagc aggagctgag 180
 ggaaaatgaa aaacaacttc ttcacacccg gaagcccagc aaacttctcc ttaaaaatca 240
 ctggctcagg ctgggtgcag tggtccacac ttgtaatgcc agcacttttg gaggctgaga 300

<210> 1340
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1340
 cccctcacgag acctgcctca ggccatggga cagttgcaac agcagttaaa tggactgtca 60
 gtcagtgaag gtcagtattc tgaagatatt ttgagcaaaa gtaacctgaa cccagatgcc 120
 aaggagttta ttccaggaga gaagtactga gccgagaaag ctttgaggaa gacttgtctg 180
 tccccacatc tggggatagt aatgcacaaa atgggtggagc tgaagagggg gatggggcgg 240
 gcgagggggtg cacagcggga aggggagtggt tgggtctaca atactgtgac tctgagtaac 300

<210> 1341
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1341
 ggccctccag atcgtgctgt cccacctacc tgcaccgccc aggccttcca gatcgtgctg 60
 tccccacctc ctgcacatct gccacagctg gccctgggcc caccacacga agggcctggg 120
 cctaaccctt tggcctggcc cagcttccag agggaccctg ggccgtgtgc cagctcccag 180
 acactacctg ggtagctcag gggaggaggt ggggggtccag gagggggatc cctctccctt 240
 ggggctgccc ctgtggaggg ggatcccgcc tctagaacta tagtgagtcg tattacgtag 300

<210> 1342
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1342
 aactgaccta agcctcagtt tttcagatct gtagtactta ctttacatga ttgctctttg 60
 aattgaataa cataatttat gtgaaaacac ttaattatga atgctgtaaa actatcaaag 120

ccattaatat	gtgttatagt	agcatcatatc	atthttgcagc	ataatccaga	gaacaaggag	180
ttgttaacaa	gggagaggaa	gataatctgg	ttgggctagt	attatactct	cagggtgctac	240
tgactttctta	gatgaccttc	aagatgttag	tacaactctc	tacttgagga	tgctattttc	300

<210> 1343
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1343						
atgttttggg	aaatagcttg	cgagaggtaa	gaaggattgc	aaagtthttc	caaaatattt	60
tatgaagtta	gtgaagtcag	ttgaaatgtg	tatttaaaca	tttgaaggga	tacagttaac	120
atthtttttaa	tgagaggaaa	ccattgtctg	tagttcagaa	ataagatgga	gtgttttact	180
tatttaaggg	gtaattttaa	aagtaaacia	aagcattggc	ctacaagaga	aaggatgatg	240
tggattataa	gtgctthttc	taatcgtaa	tattaatcaa	cagggtgagta	tattttccgt	300

<210> 1344
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1344						
tcttgactga	ggttcccatc	tttcttagtt	ctcttaagga	tgtgctattc	tattctagat	60
gcataggagg	gaagttaatc	cagtcttaga	tcagcagggc	tgagttcttt	ctcagaacca	120
tagttgaaaa	agcctaaata	gaatttttagg	aaagtcttat	ttagaaagaa	actaagaatt	180
atgattaagt	tttggcctaa	gcaacttaat	aggcagtggg	atcattttatt	gagaagcaaa	240
tcagataaga	agcagggttat	ggggcctggg	aggaggtaag	ggcagaaagt	tgggtattct	300

<210> 1345
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1345						
ccgattttaca	gattgaagcg	gtaaattagt	ggttttatgg	tattttctgta	aacagggata	60
aagtggaccc	tgacaaattc	aatattgtct	gaagagacaa	tctattctgg	ttctgttgga	120
cttcagggta	tttttctttt	tttgtaaaat	gaaaactaca	aagaaacctg	acttttcaat	180
tttttataca	tgtaattttc	tagaaatcta	ggaagtcatt	tacacatcct	tatataccat	240
gaggggcaaa	agtaagcttt	cttcctccca	aagcaaaact	ctttttcctt	aaggagctgg	300

<210> 1346
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1346						
ctgaaatgtc	aaacacggcc	acctaggcag	cattttacaag	caagagtcca	ctgctthttt	60
gatgtatatc	ttaagcgccc	ccagtgaatg	aacagcatat	aactccacat	aaaaatcatt	120
aaatgtaatt	gacttccaga	gcaggcagtt	ctgttgatg	cctctggaga	aggctggctg	180
aattggaatt	ggtctgtacc	ttctgcctat	catgtacatg	aggthtttgg	gcaaagagaa	240
ctttccacaa	aataagtcca	aaaattatag	atcatcagac	aaccaataac	atattgatga	300

<210> 1347
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1347

cttgcctcatc	ctcatttgggt	aaactgctac	gttaaagtgt	tcaggatatgt	ctgattgacc	60
tgctcctgctt	ccgagaaatt	gatgagctaa	taaaaaagga	aaccaaaggc	aaagggttctt	120
tggaagtact	caatctgaaa	gatttgaaga	aggagatgag	aaatttgaat	gacacccatc	180
agtctcttca	cctctaaaac	actaaagtgt	tttcgtttcc	aacagcactg	tttcatgtct	240
gtggtctgcc	aaatacttgc	tcaaactatt	tgacattttc	tatctttgtg	ttaacagtgg	300

<210> 1348

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1348

gggatccctc	cctccacccg	ccccccagcc	ccgggacccc	gagtgccact	ccagcctcac	60
cccctgccag	tgccactcct	agccagcgcc	agtgcgtctc	cgcagccacc	agcaccaacg	120
actccttcga	gatacggccg	gcccccaagc	cagttatgga	gaccatcccc	ttgggggacc	180
tccaggcccg	ggcgctggcc	agcctccgcy	caaactctcg	aaattctttc	atgggtcatcc	240
ccaagagcaa	ggcctccggg	gtcctcctc	ctgaggggag	gcagtcctg	gagctgcca	300

<210> 1349

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1349

aagaattgna	cgactcttat	tgatgagtgc	aaaatttttc	tatagatttg	aaagtcacta	60
ctaatacatga	ctagctgatt	ataataattg	agagtaaact	tttaaaatta	ttaaataatcc	120
tgtgaaagt	ggagcacagt	aaccattaac	cctaaatttg	atactatgtc	catatgaatt	180
cagatcataa	tagtgctcta	tcatgtgaaa	ctactaaagg	atgtatagag	ttaaataatta	240
cgtatccact	ttaatgaaga	ataggtatta	cacagtaatg	gttggtttaaa	aaaatttttt	300

<210> 1350

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1350

gccctgtgtt	aatccagggtg	agaacaggta	gtacccaaat	tagggcatgg	tagcagggat	60
gcagaggaaa	gaagaggagt	aggaactatt	tgggaggtag	tattactagg	attttagctt	120
tgaagggttg	agagaaatgt	caagcctaac	tacaagcaag	gtttctagta	tcagtaactt	180
catatcattt	gaaatacana	nattagcaat	caatgtatan	ancntnctgg	gctaancnta	240
gcatgaantc	tgacttcant	gtagcattga	ggagggtcct	ggcctcagat	actgcaccag	300

<210> 1351

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1351

agatactgta	tatttgaaca	agattttttt	ttatcatttc	tatagtcttg	gagttcattt	60
gtaaggcagt	gtcttgactt	ggaaaggatg	tgtaaatggg	gtgactttgt	agcatgggtat	120
gttgctctga	gttaactgta	gtgggtgggg	aggtccaatg	ccctccgcaa	tgcccttcat	180
ctcctgtgtt	gtcctgtacc	ctgctcagct	ccatcctggg	gttcagggaa	ggcacacttc	240
ccagcccagc	tgtgttttat	gtanccgana	tanagnngng	tccgattcaa	nntcatncac	300

<210> 1352

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1352

gctattccga	atagccccag	gtgatccagc	tcacaccaac	gtagcaatgg	aagtcagcac	60
ctctgctggg	ccaaggccat	gttccccag	cctgtggctg	cgctctgct	gtctctccgg	120
gtctcacctg	ggcgggaggc	tcctctggag	gccaggacct	gccttgtag	ggtgcccttg	180
tgggagaggc	gcttgcccaa	acctgctgtt	ccccgggggc	tccttggtag	ccccaggac	240
tggagctctc	tgccagagtg	cccctcccca	gaggtagga	ctcccatgac	cctgtccctt	300

<210> 1353

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1353

gctgagtatt	tttttcaagt	gtatcatttg	cctgttaact	taaaattcta	ttttccccct	60
aattctatgt	cccagttttg	gttagtgtgc	tctgggattt	ttgaccatt	ccatagtaat	120
agttattact	actaccacta	cagtaaattc	ttacaagaac	tttccatgtt	ttttgggagg	180
aggaggagga	gtagttacat	tcaggatcat	atacataatt	gttttagctt	agttctgtat	240
ttatatatgt	cacttgtaac	tgactgggat	acgttctgag	aaatacattc	tcaggtaatt	300

<210> 1354

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1354

acatggacaa	cagtggcagt	ctcaacgctc	aggtcattca	ccagctgggc	cccggctctca	60
ggtccaagat	ggccatccag	accagcagt	cgaagtgtgt	gaactggcag	gtggacgggg	120
agtatcgggg	ctctgacttc	acagcagccg	tcaccctggg	gaaccagac	gtcctcgtgg	180
gttcaggaat	cctcgtagcc	cactacctcc	agagcatcac	gccttgcttg	gccctgggtg	240
gagagctggt	ctaccaccgg	cggcctggag	aggagggcac	tgatcatgtct	ctagctggga	300

<210> 1355

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1355

gattccgagt	gtttactaag	cctgttgacc	ctgatgaggt	tcctgattat	gtcactgtaa	60
taaagcaacc	aatggacctt	tcattctgtaa	tcagtaaaat	tgatctacac	aagtatctga	120
ctgtgaaaga	ctatttgaga	gatattgatc	taatctgtag	taatgcctta	gaatacaatc	180
cagatagaga	tcttgagat	cgtcttatta	ggcatagagc	ctgtgcttta	agagatactg	240
cctatgccat	aattaaagaa	gaacttgatg	aagactttga	gcagctctgt	gaagaaattc	300

<210> 1356
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 1356						
ggcatctgga	ctaatagtga	acgagtggaa	tagtgtgaaa	ctgcatgcta	cagctatgaa	60
tacacgtatt	caggaaagac	cccaatgatg	cntganaact	tctactttgg	ctncctaang	120
ntgaatncaa	ttcacatctc	tnagaggntc	accgtaaaca	gntttggann	ctacccttna	180
tntggacana	ttganttctc	ctgagggtgga	tcttgatatng	ctctagaaac	tangcatcnt	240
caccatgtgc	tgaataanag	tgtnttcggt	gtaatngccg	cgcacgtatg	nnnacatttg	300

<210> 1357
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1357						
ccataagtga	cttgcaaagg	gcctccccc	taggaaggcc	tcagcaaatt	ttcagtgaac	60
tcaagttcat	tgatttccaa	tttgtgaaat	aaactagagg	gcctctctga	actacctgcc	120
tcatgagaat	gactgtgaag	tgtagtcagt	ttaaaacaaa	cagacaaaaa	caaagctaga	180
cagcattaca	ggtttctcag	aaagaaggaa	ggttcaagtt	cacattggta	ctggtaccac	240
gttgccattg	ccctcctaga	ctgttctctg	caagctttct	atttactgga	ggctggaata	300

<210> 1358
 <211> 86
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (86)
 <223> n = A,T,C or G

<400> 1358						
ccattgtgaa	gggttatgcc	cctgagagcg	tgctggagcg	caactgggtgc	acagagaang	60
tggacgtgnc	nggggacggg	gggact				86

<210> 1359
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1359						
ggctgtgttg	tgtgtcttgt	ttgatgtaaa	gatagtttct	gtaatagttt	tgcagtttga	60

ttgttcatct	ttaggtcttc	aattacaacc	tgacatcca	tccctctat	cctctttctt	120
actctgtttt	tctccatagc	acttatcatc	caataatatg	tcatgcactt	tatttatctg	180
ttttgcatat	atattttgtc	tgttacctgt	ttccttccac	tagaatgtaa	gtcccatgag	240
ggcagggact	tgcattctatt	ttgtttgtgg	ttgtatctct	aacacctggg	atagtcactg	300

<210> 1360

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1360

gctgcttcat	taaactcttc	ttgagtggg	ggaatgagga	ttgtccta	cccttggcac	60
gaggtgttcc	tgggccttgg	ggagctgctt	ctgtcctgca	actgggcagt	ggttgccgac	120
atcctgctga	tctctagtgt	cctgcggggc	aggcgccctg	actcctatct	gcagcgcttc	180
cgcagcctgc	agcagagctt	cctgtgctgc	gcctttgtca	tcgccctggg	gggcggctgc	240
ttcctgctga	ctgcgctgta	cctggagaga	gacgagaccc	gggcctggca	gcctgtcaca	300

<210> 1361

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1361

gttacagga	tcttgccact	taaagattca	atctttttaga	ctggcaatga	ggattcagac	60
aactcaatct	ttgtgtaaat	acttggtaaa	gcaacaggac	acagaagagg	aatgctggaa	120
aaatctggtt	tatgaaaaca	gaaatcaaac	caagttacta	accaacctcc	ccgtcccctc	180
caggcacaca	aaaacatttg	cctttgtact	ctgccaatgc	ttgatttaat	tataatacac	240
actcaagtgg	ctgtaaaaaa	acccaacaga	acagaaacca	tttaacatct	gaatagtgat	300

<210> 1362

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1362

cagctatcac	aagtgttaat	gtattttatg	tgtagcccaa	gacagtctct	cttccagtgt	60
ggcccagga	agccaaaaga	ttggacatcc	ctgtgttaga	ccatcatttg	tttgctatat	120
gatgtcatag	tggtagaatg	gtcacttaag	gtaaaatctg	aatagagaaa	tttggcagaa	180
atcataggaa	tttctgtttg	aaggcataat	gaggggtaat	catttttcat	aatagatggt	240
aagattaata	gtaatcatag	cccatattta	ttaagcactc	gccacacact	ggtttcgaga	300

<210> 1363

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1363

aatacacaca	acataataaga	catggcaatt	aactgtttat	gttatcaggt	ttaaggcttc	60
tggtcaacag	taagctatga	gtagttaagt	ttctgggggg	acaaaaattt	ggttgtaaac	120
tgatgggggg	gcggtgttgg	caccctaac	ccgtgcactg	ttgaagggtc	aattgtactg	180
tatttatata	tgccagcagc	tctccaactg	tggtctgcag	atctcatgag	gtctcctttc	240
aggggacca	catgggcaaa	actatattca	tactactact	aaagccattt	gcattttcca	300

<210> 1364

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1364

gaaaagcaca	ccccagttc	gtacagatcc	cgtaacccat	tcttatcagg	tggaagttct	60
gggggctgag	aagtccaaga	tcaaggtgct	gccaatttgg	ttcctggtga	atgagcaaac	120
agcacagaaa	aagaaacagc	agtatatgtg	gaagaaagca	agaaaaatca	actggcctgg	180
aacctaaagc	ttgtccaaag	atgtcacaga	gagtaaaatg	agaaaaatcc	agtagcccgt	240
gcccagagca	gttcctcgta	cccagcagaa	gggaacgatg	ctcttcccaa	ggaaggcaga	300

<210> 1365

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1365

ctcatcacac	tggtgtatac	ttcgtagcta	ttactttctt	aatccccaag	gacttggtta	60
acaaagtatt	cttcagtttc	tacttcttag	ttcctttgtg	gaactggtaa	aaatttaaaa	120
tatcttaaca	taatatctta	tttcaaata	taaacagtaa	ggtaaaatgt	ggtttttctt	180
ggacaactta	tggtagaatg	atgtctagaa	tatttagtta	tgctatttaa	tacttttttt	240
ctttacaatt	taaaaaaaaa	tttattttat	tttagattca	gggggtacac	gtgcagggtt	300

<210> 1366

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1366

tagttttaaa	tttagcaatt	tgatattgat	acagatgaaa	cacctagata	tatcactttt	60
tattgagagt	tggtgatcaa	attgtacatt	agctagaaag	aaggaaggaa	aactgatgaa	120
aattttacag	tataaagtgt	atgggtaagg	tacacaaatc	ttttttttct	cttttttttg	180
ggaccactgt	cagaaacaaa	attttgttca	tcacattatt	ctaatagaac	gtctcacaca	240
gcatgcagtg	agctattgaa	gtttattgtc	ctaggaggta	ttaacgaaac	gaatgaactt	300

<210> 1367

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1367

gctgggctag	cagaaaacct	caggcatctg	tgaggacatg	agtttacaca	cgctgagact	60
cacttataca	aaaatgcac	ccaattccac	ccctgaattg	aggggagtgc	atagaagtga	120
atgtcccgtc	tttctgaggt	ctgttgattt	tgtaattagt	aaacgaaggg	tgcatctctg	180
attttttttt	cttgtgtgct	agaattcatt	gctagtaaaa	ctcaagataa	tagcgatgag	240
taggaggtat	caaagatgaa	ctgtataggg	acagtttaag	ttacttaaga	atcgtcagca	300

<210> 1368

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1368

tctgggacca	ataatgtttt	aaaaatatat	tcatttgaga	ttcagaaaac	ttgcacatca	60
tttgcacttc	ctatcatctt	aacagtgaag	aaaactgagg	cctagagaca	ttaagggggt	120
tgccaggtcca	gagacatgtc	tcaagaaagc	attgctgtta	aaatgtgcag	ttcgtgggtt	180
ttcagtcctc	ctcttaagaa	accaagtcaa	tcttcccttc	aggaaaaaga	aaagaagtag	240
caataagcaa	tttgttaata	tcactacttc	ttatcaaggt	aaaaaatgcc	tcataatcag	300

<210> 1369
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1369
 agcagattca gtgtcgatga gagcctgctt cctgcttcat agatgataga agtgcaaagc 60
 cagctgtctg ggcctttttt atgatactga tcccattcat gaatgctctg ccctcatgat 120
 catttcaatt cccaaaggcc ccacctccta atattatcac agtgataatt gggttttcaa 180
 cacatgaatt tgagagaaac acattcagtt cctagcatta gcttgcttat atttatttca 240
 tctcattctc tctcatagct tttatttttg tttccctgt ccaatttatt atagtttttt 300

<210> 1370
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1370
 gttatgagt gtcattgtga aaatttgag gaatacaaaa agtagaagaa aataacagtt 60
 ctatatacta gagttaacct ttattaactg tttgtcata tgacatcaaa atgttatatt 120
 attacctgtt aaatttagta tagtatagta tactaaaaca gtatgtttac aaaattgaac 180
 tcaactgtga gatattacag gttttattca tgtaacacta tagagtgtct attgtcacat 240
 gtcattcaag ttcttctaga gtgtgatttt ctcaggcaca tattgcacag atgctctata 300

<210> 1371
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1371
 accaaacctg gagtaaagt gttgaaaaaa aagaaagtat aaaggggctt attaaagtgg 60
 ttaataaata tgatttaggt tggtttttga tatgtttttc ttccaactgt tatataagaa 120
 actactaatg taaaatagta ggctatatgt tgggatgtgt atagctatgt cttcaagact 180
 aatactcaga gaatcaaatt gtagattgta cctatctgtg agcctatttc tttagccagt 240
 tttctgtcta ctgccaaagaa acagaattct ctgcctcatg caaatgccct ttcgtgttta 300

<210> 1372
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1372
 aaaaactggt agagagggag aaaggtacag tgattaagcc acctgtggaa gagtacgagg 60
 aaatgaaaag ttcattattgc tctgttattg agaatatgaa taaggagaaa gcatttttgt 120
 ttgagaaata ccaagaagcc caagaagaaa tcatgaaatt aaaagacaca ctaaaaagtc 180
 agatgacaca ggaagccagt gatgaagctg aggacatgaa agaagccatg aataggatga 240
 tagatgaact caataaacag gtgagcgagc tgtcacagct gtacaaagaa gcccaggctg 300

<210> 1373
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1373
 ggaaaaactg gtagagaggg agaaaggtac agtgattaag ccacctgtgg aagagtacga 60
 ggaaatgaaa agttcatatt gctctgttat tgagaatatg aataaggaga aagcattttt 120

gtttgagaaa	taccaagaag	ccaagaaga	aatcatgaaa	ttaaaagaca	cactaaaaag	180
tcagatgaca	caggaagcca	gtgatgaagc	tgaggacatg	aaagaagcca	tgaataggat	240
gatagatgaa	ctcaataaac	aggtgagcga	gctgtcacag	ctgtacaaag	aagcccaggc	300

<210> 1374

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1374

gcgggaccct	gcctctacta	aaaaattaaa	aatagctatg	catggtagca	catgcctata	60
gtcctagcta	ctgaggaggc	tgaggaggga	ggatcacttg	agctcaagaa	ttcaaggctg	120
cagttagcta	tgatggcact	actgcacttt	agcctgggtg	acagagttag	accctatctc	180
acaataaagt	aaaataagaa	ttaacacact	cataataact	atttagtta	taggaaactc	240
tgtttaagcg	atattgctta	tatttctctc	tcatgtcttt	gtaggtctgg	actcatcctc	300

<210> 1375

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1375

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actgcccaga	aacaggcctc	atttctccca	tggtcccgtc	cccgtcccg	gtttcctgca	120
tgactgcttt	ggtgccccct	gactccagaa	tcaacaccac	accagctctg	cctttagact	180
ctgcccagag	gctctgggct	ggatactgta	tttggtgcga	ccctctgggg	catttttgca	240
agttttcagg	cagatgggtg	ggggagcagt	gaaggaagga	ggaaaaaaga	caaagcacia	300

<210> 1376

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1376

caagcagggtg	gccctgcaga	gccagttcaa	tacctacagg	ctcacctctg	aggacacaga	60
ggatgccctc	agccaggacc	agctggaaca	aatgatactc	acggaggagt	tgcaaggccat	120
ccgccaaagg	atccaggggc	agctggagct	caggaggaag	acggatgctg	ccatccggga	180
gaagctgcag	gagcacatga	cctccaacaa	gaccaccaa	tacttcaacc	agctcatcct	240
gaggctgcag	aaggagaaga	ccaacatgat	gacacatctt	tccaaaatca	acggtgacat	300

<210> 1377

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1377

agaggaggag	gaagaggagg	aaaatgggga	ttctgtagtc	cagaataata	acacttccca	60
gatgtctcat	aagaagggtg	ccccaggcaa	tcttagaacc	ggacaacagg	tggaacaaa	120
gtcacagcca	cactccctgg	ccacagagac	cagaaaccca	ggaggacagg	aaatgaacag	180
aacggagctg	aacaagttca	gccacgtgga	ttctccaaat	tcggaatgca	agggtaggga	240
cgcgaccgat	gaccagtttg	aaagccccaa	gaaaaagttt	aaattcaaat	tccctaagaa	300

<210> 1378

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1378
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 tcagactctt ctcccacctg cgccacccag tgtgtgtgga gctgctgaca gtgctgtggg 180
 tggtgectac cctgggcacg gaccgtctcc tccttgcttt cctccttacc ctctacctgg 240
 gcctggctca cgggcttgat cagcaaagac ctccgctacc tccgggcccc gctacaaaga 300

<210> 1379
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1379
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 taatcaagct ccagtacagc ttgtgtcaag acctagtaag accaccttta atgtgttcct 120
 ggatatgaca ttaaaaacta acttgaaaat tgtaggata ttcccttggt ccctactttt 180
 attgtaaaat ctactacatt cttaagaatt aaaaaacgcc atttcagaag agatgatagt 240
 tttatcttgc caaggaatta tcttcttagt agcctatatt ggcttattcc aaaaaaggcg 300

<210> 1380
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1380
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 atcaaccaca actagcagtg catgttatag tgtaaacaga aaattccaca ggacctctt 120
 cacactaggg aaggggacca tctgctactt tcatattagg atgtcaggat ttagaggta 180
 atgtgtttcc tcatcaaggc tgaaggcttt ggaatccgg ggaagtgtca ggctccaagc 240
 agcacagcct gctcaaactt catatttaag cactggacaa gacctgttt ccaatcctac 300

<210> 1381
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1381
 atcacgcccc gctaattttt tgtatttttt agtagagatg ggatttcacc gtgttgccca 60
 ggatggtctt gatctcctga tcttgcatc caccgcctt ggctcccag agtgctggga 120
 ttacaggcat gagccaccac acctggccac agaagggatc atttctaaat agcatagaat 180
 cacaggagat acacctcatg tgacttcacg ttagagatca gcatttgctc ataataaatt 240
 acatatcagt aatgaacat gacatgcttc aacttcaata atattaaaca aaactctttc 300

<210> 1382
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1382
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 aaggttttca gattatctac atccaggctc gcccccaacc ctgtcctcag gaatcactga 120
 atgcagccat gacctgaaa tttgtttttc attcattatt ttttcattct tacaataaac 180
 gtggttttat aagttagtta aaaagtcttt ttcaggatgc cgtagtaaac aagagtcctc 240
 tttgagcatt tccttagtaa acgatgaatg gctgctggtc aagcttggtc tggcaagtct 300

<210> 1383

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1383
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 tgcattgagat gaaatacatt tagcacttgg taagcactct ataaatatgg caatatgata 120
 gtccctgact catcttcttc tctgttgccc tttaaacagg tgagcaccta gccttggttg 180
 ttttatgtgc tcaacagcag ttgactcccc tggctcctct cacccatgct actgcgtagt 240
 caagccctcc atagtctcct ctctgggtctc tgtttcccat ctgcctttgc ctttccctct 300

<210> 1384
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1384
 gtcttttctag atatttggaa gtgcttgatg tattttaaag tggtagtaga ataacacttt 60
 gtaaatagct tttaaaaact gatgggaaat gctggttggg agtgggaattg ttgaaccacc 120
 tgggaggttg gaggaagaa attgcaaattg gtgttttgcc attgtttatt agaaaatttc 180
 agcttaattcc attgtgtata tgttacatgc atttcattta actttgctat actgtatata 240
 ttgtatatat aacggacaaa ttagtcccca ttttataata tctagtctct agatattaaa 300

<210> 1385
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 1385
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 accatggaag ctgatggat aactcagtct gaggatgaag gcttcagaac ctgggggact 120
 acaggtgcaa gntctggana ccttttgctg gaataacctt gntttttttg tncctntttt 180
 nannttttnc nttttcnntt tncctnagna nttntntnnn tgttttntn nttntntnnt 240
 tnntgnnttt ttnnagctct nntttntan tttntnttn tntntntan cttttttatg 300

<210> 1386
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1386
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 gttcacgtta ctattgttaa gtgtttctaa actggaaatt actccagaca atactatgag 120
 cacacctgtc tgtggctttt gatgagatc tgaatgcagg ccaaacttgg cctgccaaac 180
 agttttctgcc gttgtttgta ccagttcaca ctccctgcc aacagtttct gcaatgtttg 240
 taccggttca cactcccacg gcagcacatg aaagctttat ttgtccata tcctctcaaa 300

<210> 1387
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1387

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ggaacaagga	caatgtcgcc	cgcgtgcggc	gtgacgaggg	ccaggcccgg	gaggaggaga	120
aggagcgtga	gcggagggtg	ctgctggctc	agcaagaggg	ccgtacagaa	ttcctacgga	180
agaaagccag	acatcagaac	tcaactgcctg	agcttgaagc	agcagagggc	ggagcccag	240
gttctggccc	tgtggacctg	tttcgggagc	tgctggagga	agggaaagga	gtgatcagag	300

<210> 1388

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1388

gccaaatgcc	ggaattcaaa	acctggcaag	aaaaagaatg	atthttgaaca	aggcgaatta	60
tatttgagag	aaaagtttga	aaattcaatt	gaatccctaa	gattatttaa	aaatgatcct	120
ttgttcttca	aacctggtag	tcagtttttg	tattcaactt	ttggctatac	cctactggca	180
gccatagtag	agagagcttc	aggatgtaaa	tatttggact	atatgcagaa	aatattccat	240
gacttggata	tgctgacgac	tgtgcaggaa	gaaaacgagc	cagtgattta	caatagagca	300

<210> 1389

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1389

cccagaggcc	accaatggca	atagtagccg	aagcgtacct	gtagttcagc	ttttgacatg	60
tgtgtaaaac	atgtccatta	acatgtgctt	aatctgttct	gtgaaagtat	tttcagaaat	120
gataaaaagt	aatgatgggt	acatctgaat	ataagttaga	tcatgacact	cactcctttt	180
ttcagaaact	accagtggca	tcacatctta	ctcagagtaa	aaaccacagt	gggcttactg	240
tgggctgcaa	ggcctcgtag	gatttgcccc	ccatgacttt	ctgacttcat	ctcttgtcac	300

<210> 1390

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1390

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gaaatggctt	tatggaatca	atttgcaaaa	atgtaagagg	tggcaaagga	agaataaaaa	120
taatattttc	atthttcttct	gttattctta	gaccccttgg	tagattgtaa	actccatgaa	180
agcaggatac	cttcttttgc	cctaaggctt	ggcccaaaag	agataccaaa	aaaatacttg	240
cttatatact	aacctagtct	ctgggtgtgg	gagccataga	gggttcaggg	tggggtggtg	300

<210> 1391

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1391

ccctgccttt	tagttagcat	atgcccttct	tctccccctt	gtagaagcag	taggggacag	60
aaatgataag	tcatatatgg	ccggtgagtt	tttcttccaa	agactggtcc	acactagagg	120
gtgcagcctc	cacagacact	gggaattgct	cctgacctat	ggaaaacaac	tttctttcca	180
agaaaattat	ttttagtctt	ttgggtgtaa	gacacagtcc	tgagttgttt	tcacttactg	240
aattctataa	ctaggaatga	aacactatac	tcttgctaaa	aatgaccttt	tttctttcag	300

<210> 1392

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1392
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 tatccttgag taatctattt ttataaaggt attgatgtaa ctattttata aatgaaaaac 120
 tacacactaa aaaccaaata tgtgatctcc agcatcacag aaatgaaata aggatttttt 180
 ttttaacttag gtaatattgc ttgaactgta gtaattcaaa tgtagcaatt tcaaaggtag 240
 aatttcccat gtattactat actgcttcac atcagctcta ttaataaaaag tagaacagtt 300

<210> 1393
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1393
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 aattgagagg agaaaaggcat tttcagtttc tttagttaat aaaaagaagc catttctgga 120
 ggagttttat gcctgtacca gcagagggtc agctttccag gaatctcatc atgatccata 180
 ctgctgacac aggccctttgt cacctgaagc attcttaaaa taaggagact gacattaaac 240
 aggacaattg tgaactccac tttgtaagca tcatacatat cttacaactc attctgaaga 300

<210> 1394
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1394
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 caaaattagc caggcggtggt ggcacatgcc tgtaatccca gctactcagg aggctgagcc 120
 aggagaatcg cttgaaccgc ggagacggag gttgcagtaa gccgagattg tgccattgca 180
 ctccagcctg ggcaacaaga gcaaaactct gtctcagaaa atatatatat atccctaaaa 240
 ctacctcagt tgaagaattc aaagtgcaaa ataacttttc ttaggatttt ttaatctatt 300

<210> 1395
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1395
 ggattacag caccgccac catgcccagc taatttttgt attttttagta gagatgaggt 60
 ttcaccatgt tgaccaagat ggtctcgaac tcctgacctc aggtgatcca cccacctcag 120
 cctcccaaag tgctgggatt acaggcgtga gccactgtgc ccggccccag ttaggctttt 180
 gcaattacct agatcagaga taatgatagc tgtgactagg aggacagtgg ggaagtgaca 240
 gagatggaac aaagcctaag ggcctgtgag aggaagacce aggagtgaat ctcaggtttc 300

<210> 1396
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1396
 gacaaacagt ggcaaaacaa cactggctaa gaatttgcag aaacacctcc caaattgcag 60
 tgtcatatct caggatgatt tcttcaagcc agagtctgag atagagacag ataaaaatgg 120
 atttttgcag tacgatgtgc ttgaagcact taacatggaa aaaatgatgt cagccatttc 180

ctgctggatg gaaagcgcac gacactctgt ggtatcaaca gaccaggaaa gtgctgagga	240
aattccatt ttaatcatcg aagggtttct tctttttaat tataagcccc ttgacacta	300

<210> 1397

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1397

ccggcgcgtg gggactgggc cctgctcgca tgccgccccg ccctcccccc acctccacga	60
ctatttattg agcgctgtt gtgtgtcacg gggctatgag ggccgtgggg tgtttgggtg	120
gattatccac acaggtcccg gcccctgccc gggctggagt tgccacagcc tgtgtcctg	180
gtcctcacct ggaggggcca gcaggctgcc gtcccaccac acgtggcctc tgcgcccagc	240
acggtgctct ccgacagtgg tgtctgaacc cttggggacg agggcctggg ccgcggtgag	300

<210> 1398

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1398

ggaggaaaaa cagtgtcttg cacacagcaa gcactcaata tttttggccg ttgaacttta	60
tctgaacctc ccttagagca tctattgtag cctgcttggg attctatttt ctcatagggg	120
cctcagtgtc tgtagcccc aaagcagggg cacagactct gttagttatt gatactgctt	180
gttcgtactg aagagtatca aaaggtgggg agaacattga aaaccaaagc atcctgagta	240
cattcagttt gctgttttcc aagacagaca ttccagatat atagaagcca aagtcctgtc	300

<210> 1399

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1399

gtgtgagttg catataacat atataaaagc tgtaacctgg gaaaaagtta ttatctggaa	60
gctttagaaa ttaatgttat tctttcttaa gtatcatcag gaaattaatc aaaatggcca	120
ccttgatacc aaaaataagg ttttggggca taacatcctt atgaattcaa atgttagtca	180
tttccatat ctteactttt atttcattaa gtccttccta gtagacactg ttcaaacatt	240
attcaccatt tactaatgct gttacaacat tatttttagaa gatggatatg gatagctgtt	300

<210> 1400

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1400

gcgggcacgg cggtggctcg gtctcccgcc tgccgcggga gcgggagggc tctctcaca	60
caagcgcttc cttgccgaga ggctggagct gcggcaccgc aggcctgagc cacccttct	120
ctgctgtctc cttctcttcc tcagggtccc cgtgtctgct cgccctccga cgctgtcag	180
actatggaaa tgatgttaga caaaaagcaa attcaagtga ttttcttatt caagtcaaa	240
atgggtcata aagcagcaga gacaactcgc agcatcaaca atgcatttgg ccagaaatt	300

<210> 1401

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1401
 ctttcccttt atagtttctc tataaaaaact ggtttttaaaa tcagtggaaa agggcaggtt 60
 gaatcaaggt gaatcaatct gaaattgagc acacctgcct gccatcgctg ttccttcaac 120
 tgagtgtctgc acatcatggg ctctgtctgt gagagaaaaa tcccgggtgct tgggtgtcctt 180
 gcatgacatg gagttttgca tgtagatcaa tttaaaatgt acctcttggt tacataattt 240
 gcataatttt aaaagataat gttgccaac tttggaatg ttaatgttca gactgaaaat 300

<210> 1402
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1402
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 attttatatg accttcattc agaagttcag actctaaagg atgatgttaa tattcttctt 120
 gataaagcaa gattggaaaa tcaagaaggc attgatttca taaaggcaac aaaagtacta 180
 atggaaaaaa attcaatgga tattatgaaa ataagagagt atttccagaa gtatggatat 240
 agtccacgtg tcaagaaaaa ttcagtacac gagcaagaag ccattaactc tgacccagag 300

<210> 1403
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1403
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 aagtattatc tgatagaata caagatgatt caaaaattata tagatattta aagcttttct 120
 gctgtttttt ttttttaatt gcaacngctt ttntgcccng cctntnttcc ctacccaaaa 180
 gngatgagtt ctgancaaga caanactgtc atattgtaaa nactttggta tgngatncca 240
 tanaatactg atnggatagc catcctagtc acttaccaat actgactaaa agttaactct 300

<210> 1404
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1404
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 catataatcc ttcttaaagt atactctttt aaaaatccat tgacataacc ttacttttag 120
 tttagtgtac cagaatttcc ccagagctta aagccactgc agtaaattag ggtacgtagg 180
 atattcagtc gctactagcc ccaaggagtc tccttattta atggacctcc ctcagtactt 240
 aattcctgca gagcgctca aagtggggga agagaaatga ancaantcnt gggctcaagt 300

<210> 1405
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1405

ctcagtaacc caattactag taccttttga agagaccagg ctgggaattg gtattaataa	60
taatagctga catttaccag gggctaccca catgccaaagc atcatgctaa tcttgccagg	120
tccttctgag tcagtgtgaa tggcaggagc accacatgtt cctttctctt cagttcacac	180
acattgagtg tcttcatgtg taagtaacaa cagagactga gggcatatgt attgtgtaaa	240
aaaaaatttt gttactggga aaatagccat tactgggaaa tagctttgtt acagaaagtc	300

<210> 1406

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1406

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ttcaaataag tttggttggt gctacagatt taaatcgact tgtttgtag gataatagaa	120
ttctttttgc tatgaactta tcagtcagcc cagcgtctgt gagacgggtgc ctgcttgcat	180
ggtgcagtc agagtgtatt ttgcaaactg ctagcactgc ctttatgtag gacgcgtgct	240
tcgttttatt ggtctaaaat ttcccatgtc ataacacttt gatcatgcct tagagaagtc	300

<210> 1407

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1407

ggacaaacca tctccagagc cttaatcgca tctgtaaagt cccttttacc atgtaaatta	60
atattcatag tttctgaaga tcaggatctg gatttctttt ggggcaatta ttcagctaac	120
cacatattat aatgaggaag cacttcttgg gaggcacat aatgcttggt ttttcttttc	180
ctaaatagag tatcactttt acccaaactg aataactcgc tgggttattt tactgagctc	240
ttgatgctca tttctttggt cttctctgtg atgaattaat gtttctatat ggacatcatg	300

<210> 1408

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1408

tagtagagac ggggtttcac cgtgttagcc aggatggtct cgatctcctg acctcgtgat	60
ccaccgcct cggcctccca aagtgtggtg attacaggcg tgagccaccg cgcccgccg	120
aaagccaact cttatgccta gaaatatgtg cacctatgac caagcccatg aattatacag	180
gaattatgta attatgagtg atgtacttca aagttattgc acatacactt gtttactttg	240
tatgtttgca ggattaaact ttgtataatc tttttacaaa attttttttt cagtatgcaa	300

<210> 1409

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1409

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ggagcacacc ctagtaacct cttgagatta aattacatag tcttaatat tctgttcctc	120
catgcaactg atgtttgttt tttaaagggg aagatgctgc ctcccaatgg gtgatgccat	180
ctgactgggt tccccatgtc ctcccattca cccatctctg ctcccaccct tgcctgcctc	240
taaccaccca ctggccagcc cccttgccct actctgggct gctgaacact ggtgctgtgt	300

<210> 1410
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1410
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 gggatctcag tggaagaagt tatagaagtg acgacacaga atgcattaaa actgtttcct 120
 aagctccgac acttgctcca gaaatagctt caaaaccatc cattacaaaa tcgaatcaac 180
 tgcagggggc agcatttgaa aaatagaaat gttctgatga agaactctgaa ctgaagaagc 240
 tgttttatag gggtatagaa gattgtaatt gtagagaaat atttctctta gaaataaaac 300

<210> 1411
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1411
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 attaattaat tttcagcgtt tggtatatca gaatggacat tatagcaatt tccatggctg 120
 tgtcgtcctt ggcagatttt aaagtctctc cagcctgatt cctctctctg tttgggtctc 180
 tggcatggtg cctgctggag agtagatact tgataattat ctattgggtt ctcaggggat 240
 ctctcaaagg tggtattcag gcacccacaa ggcaactccc atcacaagaa agaatggtgg 300

<210> 1412
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1412
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 tactgatcac ctaatatgta ccacaaaaaa atgttctaga tacttacaac acattagtaa 120
 acaaaatcgt aatccctgcc tccatggggc ttactttcta gtgtaaggag acagacaaca 180
 aacaaaaagc ctcataataca gggatattat aatatggtat gttaaaagggt gataagtgc 240
 acatagtaaa aaataatgaa ataaggcagg ataaaggggt attgggtgtg atagggtggc 300

<210> 1413
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1413
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 acgccactgc actccagcct gggagacaga gtgagactcc gtctcagaaa aaaaaaaca 120
 ctaaaatatg ggtattatgc ccaatccaaa tttcaaaaac gtgattctaa gtgaaagaag 180
 gcagatgcca cagaccagggt attttctagt accatttttag gaaatgtcca aaaatggcag 240
 atcttcagaa acaaaagtaac tgcaaatgtt acaaggaatc tttttagggt gacgaaaatg 300

<210> 1414
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1414
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 gtccttcttt tcattgaaaa agatattgtt taggtcctac aatggcttag gtatgggttg 120

agactctggg	gttacaaagc	aaagaaaacc	tggcctctgc	cctgctcaga	gaacagcagg	180
gatacagcat	gttagcaa	aagtatatag	tgtggaaagg	tctgtagtca	atagcagtca	240
ttttgacaat	aggaaaagga	atgtgtgaaa	cttctggggtc	tgtgtgtgtg	ttgggggttg	300

<210> 1415

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1415

agagcgagtc	tctctttgtt	gcttaggttt	gtcttgaaat	cctgggttca	agcaatcctc	60
cctcctcagc	ctcccaaat	gctgggatta	cagggtgtgag	ccaccacacc	tggcctctac	120
tttcttatat	ttccttaaat	agatttcctt	tctttttgga	ttaagaaaaa	ataaacagaa	180
aattaaaatt	tgaacatatt	ataaaaatga	aagataattg	taaaatcttg	gtttggagag	240
tgtctctctg	agcccagaaa	tcattccagaa	aaatggacag	atttgactgc	atcacattta	300

<210> 1416

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1416

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cagtgaagta	tgattgcacc	actgcaatcc	agcctggaca	acacagttag	accctgcctc	120
acaaaaatta	tattctgatt	ttctgagtc	atgaacacat	tgtccaaatg	gatttttcta	180
gtcctccaa	gttacagata	gttcacgca	cacacagaac	tcaccactct	caaataattt	240
ccccactagt	attactatta	aatttttcaa	acatgcaaaa	gatgaaagaa	ttgctcagtg	300

<210> 1417

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1417

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ttgggattac	aggcgtgact	caccatgccc	agccacttag	ttttttctta	ttcccacctt	120
tctatcccat	ataacactct	tttttatctt	ccctgaacca	tattgatgat	ataaataggg	180
ctgggggctg	ggccccgctg	gtcactcaac	agagtatttc	ccttgggccga	catggaagtt	240
ttgacccaat	agatgagctg	ctgagtatca	acaagggtgac	atttttctgc	tgcccatttg	300

<210> 1418

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1418

aaataagctt	ttcttttaaat	taattagaaa	ttactttag	gaaatgtata	gaataacaat	60
gatcattttt	tttaactaaa	tgatttacaa	tagtgagaaa	gttgaccttg	agttacatgt	120
tgaaagaata	gtatgtaagc	tggcaacaga	aattgaaatt	gagacagatt	tcagcaccac	180
tgttggtaac	aggctcttat	tccagaggaa	acatgtcagt	tttttattag	tgagtaaagg	240
atttctgcga	agctttaaga	atatctcatg	ttgagtattg	acatgtattt	tgaatgatga	300

<210> 1419

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1419

tttgtaggca atggaaagcc accagtgggt ttagttgagc agcaatgaaa ttaagcctgt	60
gctttgcaaa gattaatcta gcagcaacag attggaagca acaccaccat tcctgggtatc	120
agtccaggta aaatatatta cagctcttta ctggagcaat aacagtaata ttagaaggag	180
aaataaaaaa gaaaaatatt gcacaggcag aatggggagg tcccagtgat ggagctgatc	240
ttggttcatt gaggcagggg tggcattaat catgtaaaac acaggaggag gaactgggtt	300

<210> 1420

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1420

ggttgccaga tataactgct ttggagcaaa tctcttctgt ttagagagat agaagttatg	60
acatatgtaa tacacatctg tgtacacaga aaccggcacc tgccagacag agctgggttct	120
aagatttaat acagtgcctt ttttcctctt tgaaatattt tactttaata ccagtgcctt	180
ttcttggtga acttcttgga aaagccacca attctagatc ttgatttgaa ttaatacaca	240
caatatctga gacacttaca cttttcaaaa gatttgtgta tgcattgcct aattagagta	300

<210> 1421

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1421

ctaatatcca gaatctacaa tgaactcaaa caaatttaca agaaaaaac aaacaacccc	60
atcaaaaagt gggcgaagga cacgaacaga cacttctcaa aagaagacat ttatgcagcc	120
aaaaaacaca tgaaaaaatg ctcacatca ctggccatca gagaaatgca aatcaaaacc	180
acaatgagat accatctcac accagttaga atggcaatca tagagctttt catttatctg	240
agtgttttcc tctgcttgte gggacttgte ctttcacgag ctctgctct catatcaggg	300

<210> 1422

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1422

cttgcaaagt atataatata taagaggaaa ggtttgaaa taagctactg cattggtctt	60
aagctagtcc ggcattgtga gaaacaagaa tttgccaga agaggactgt ggagaaacct	120
ctgaggcctc ctccagagt aaggccaatg cagtacttta tttccaagcc ttgcaaagta	180
tataatatct aagaggaaag gttttgtcat ccagcgttg tccactttgt ggggctttgt	240
aggtagacgg agccacacta caggcagggg atgagcagag ggatgtatgg agtgtgggtg	300

<210> 1423

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1423

ctgacatgac taccttaggg atagagctaa gggataataa cttgcactaa atacatttaa	60
atacttgatt gcatgagtca gtttattgta gtttttgatt tctgtaaaat aagagaaact	120
tttgatttta ttattgagta agtgaatgaa gctattttta aataacgtta gaagaaagcc	180
aagctgctgc tgttacctgc agaactaaca aaccctgtta ctttgtagag atatgtaaat	240
atthttgagaa aaagtacagt ataaaaatag ttattgacca catgctacca ggctctgcag	300

<210> 1424

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1424
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 tggctgtgag ttgccatgga gataggagca atggatgtcc aaggctcgag gaaatagaaa 120
 ctggttcgaaa taattgcaga gaaagcttgc caacgggtgat aagtaggttt gtctagcagc 180
 actgatgcgt cgtggaagtt gatgggtcatg aacatacagt gtgataacct atctgccctc 240
 ttgacctttt ctagtagtgc tatgtcattt tgggtactaag gtaggtgaat tttccaagtg 300

<210> 1425
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1425
 ctgggggtcc tgcagtgcc gccttcttag ctcagggcct ttgcataggc tgttcctctg 60
 cctgggtgct tttctgcta cttcccgtgg ctgcatttgc ttaacttact cttctgattt 120
 cagtctcaat gctgcttctt taggggtaag cttctctga cctacattc tgtagagata 180
 cccccattct gccattctct cttttgtggc ctgggtttca cttgtaacta agtcattatc 240
 cctgtatttg gtttgcttag tacatgtctg tcctcaagca ggggctggct tcaggctgct 300

<210> 1426
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1426
 aaaaggagcc agaacttgat gattttgaaa attctcagcc tttctggttg gcagaggggtg 60
 atgaaattga gacacggcaa agatcaattc aagagccact ccggggagaa tggcgggtcta 120
 aagataaagc caagactgtg cctttaaagc ctgctgttaa gacctgagaa ggtagtgctt 180
 tagcatcctc ttcagtcaca ctcaaggcct ctccgtcaaa caatagggct tctagccttt 240
 ttagcaggag cccaaggtag aggtagaaga gttcctcttg gagagatcta tgggtatagc 300

<210> 1427
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1427
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 attataggcc acgtgccctc ggaaacttgg gacagtactg atgcgttctg ttgagtgcgt 120
 ttggcatgtg ggaattgtga tgggtcacag tgtcttggcc ttcactgggt tttgtaggca 180
 cactaagggt tccatttcat tcttcttcag ttgccctggc ccagcctggg tctctgggta 240
 gagcacctgc aggggcagtg gacggcctgg gctcagggtc ggtcagcacc tgagaccage 300

<210> 1428
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1428
 agaagctcca ctggcacttt tgtattcaca actaccgggt gcgataaggc agtgagggtt 60
 attatgatac cctttttcac aggttaaggaa acaaggctca gagagggttca acaacagagt 120
 cataattctt cttgttggag aattcatttt gttacatttc attcccacca tctgcagtaa 180

gggagaccca ttaaaatata gtatcctgat ttttaaagag aaggtaacat taaggccagg 240
 aggtttggga ttgccaag ttcactgtgg gcttctggac tcccatgccc aacagcctcc 300

<210> 1429
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1429
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 ggtgacagag caagactcca tctcaagaaa aaaataaata aataataatt tgtgtatgtg 120
 atgactgact ctagtcattha tggaaaataa cttttggcag tttagttcct acttggttaac 180
 aattcctctt ttttaagagag gtactacatt tgatttctca atttctcagt ttgttttcaa 240
 tacaacacgc aaccactgaa atgcagaaaa tggtaatcaa gtgtgatgtt tctataaaaa 300

<210> 1430
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1430
 cccacccctt ctctttttcca ttgaacaaac atttattgaa catcctctga gcacctggcc 60
 gtgggaatgc cgtggtgaat gagagactag acgtgatgcc tctgggggtt gtgcgttggg 120
 gatgcatgag acagcccatg acccgaggca ttctcagggt atctgtgctg tgtgcccgtg 180
 agaacatctt cccatgacca ctctgccct cctgccccgt gctggatctt cctcccccag 240
 ctgggatctg ctcccaggca actgtgtgaa ttttacatta tttggagcct catctgtgtc 300

<210> 1431
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1431
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 tggttttcac tagggttttc tgaaaaccag cagaaacagg gggcctgaag gttgttagag 120
 taatgagctt gcagccaaca tatttttagct ctatcaaaaa atgcctgtta gtgctcacgg 180
 gcatgtactg cgagagagat cttgaatgca tcactttggt atcctaagaa gtgtaatttt 240
 tttccctcgt catactgggc tgtgtttaga cctcgtataa tacataatga atagaaacag 300

<210> 1432
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1432
 agtttccatt tagtttgatt ttaaaagctg ctttttgaat atctaatacc aattataaaa 60
 taaatatgtg taagtataat aaaatggtaa cttgtttttt ataagagggg aagttggttg 120
 gttttataaa ttaaatgaac atttatgcgg tcggttattt ttacgtaaaa atagttgtta 180
 tattctaggg taacagaaat ttagaaacct atttttctgt agaagaaagg tgttgctatc 240
 tgcttttgat ttctcagata tttgcttctc cttagaatgc tatgatcaga tttttattag 300

<210> 1433
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1433

cagccttggt gacagagcga gaccctgtct ctaaaaaata aataaataaa atattgtgag	60
tctctgatgg ggagcagtat tgcattggtg ttgagaactg aggctctgat gttagaactg	120
gattctgact taacccaactg tttgcccaaca tcttgagcct tggtttcctt atctgtaaaa	180
tggcagtatt ctccgggctgg ctgaggaaag gaaatgaggg caggcgagggt ggctcaggcc	240
tgtaatccca gcactttggc aggctgaggg atgtggatga tttgaggcca cgagtttgag	300

<210> 1434

<211> 139

<212> DNA

<213> Homo sapiens

<400> 1434

gtggagctca cctatttgga atatggggca tttgtttttt cactgcaat gatttcagtc	60
tggtttcctc atgttggaat tcgatcacac ctttttcaaa caatgttaac atagtccagc	120
ttttgttccg tttagggga	139

<210> 1435

<211> 239

<212> DNA

<213> Homo sapiens

<400> 1435

cacactccag gctgagaaag agtaattagg aggcctgagg aggggcccag gaaaggctgt	60
tgggggtgtgc tgggggttgg acccgagcgc cttcccctca cctcaaccag agaagagcat	120
ccggttgctt tttaaagctt ttagcctgcc ctagcaagga caaagcatgt tagattagag	180
atgcttctgc tgatcgcagg ggttcttatt tgaaaacatc tatgatgggg gaggtgtgg	239

<210> 1436

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1436

ccttgaggca catcacagt tgaaggacct gtttaagttg aaatagactt tgcttattta	60
ttgggattct aaaaaattct gagtgagttt gcagtatgag aggaaataag atttcctcct	120
ccttctcttc attttatatt gactgtttgc cagaaactgt tttcttctgt tttcttatat	180
tttgtttttg agatggagtc tcaactcttc acccaggctg gagtgagtg gtgcaatctc	240
agctcactgc aacctctgcc tcttgggttc aagtgattct cctgcctcgg cctcctgagt	300

<210> 1437

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A, T, C or G

<400> 1437

gcaaaaacct acatacctgt tattcctggt tgtgctctc gcaatccttt aagataaggg	60
gggcaggaat taatatctcc attttacaac tgaaactgaa aattagagga cttcaatgaa	120
tgaaaaatct gagtagctta tctaccaag tggcagatta gttcatgatt ccttattaag	180
tgataggact tgccaaacac caggaatctg gggagaaggt gtactcaaag aagtatgctt	240
ggaccaatct gaaaaaagaa aaanaattna gttcaaactg attgagtaac nattcacagt	300

<210> 1438
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1438
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 atgttttctg gagtcataaa ggaattcaat tcctaggggtt tttgtttttg tttttgagat 120
 gtaatatgtc tctgttgccc aggtctggagt gcagtgggtat gatctcacct tactgcaacc 180
 accacttcct ggggttcaagc gattctcctg cctcagcctc cccagtagct gggattacag 240
 gcaccagcca ccatgcctgg ctaatttttt tgtattttta gtggagatgt ggtttctcca 300

<210> 1439
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1439
 ggggagctca ataataatag ggaggataga aacgtcagca tggcattcca gatgagaaaa 60
 ctgaagcaag ttaaaactttc tacatggtaa ccgtgattat gtagtgtata taaaagtat 120
 tgactgtggg ccttcaagaa gaggttaaaa tacattcatt atattaacga gtgcattcta 180
 caaagatttc tttcaaaaag tacttgaagt ttttttgctt taaggagtaa atctcaatca 240
 tctggaaatt taacttctgt ggaatacctc tttacatctt aaaggaaatg ttaatgcatt 300

<210> 1440
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1440
 aagatgtttg attcttcaga taacttttga aatgtgctat aaagggccta gtttaaaagg 60
 aacttctttt gaaaagcaat taacagttga taaagggta aataaaaatt atctagtaag 120
 gaatttctta ttggaatgta aacgtgggtc taatttttaa tagacagtga tataaagaat 180
 aaaaagtaaa cagtgaattt gagttctcca gggaaaaggc agacctgttt agtaaaaaaa 240
 ggatgccttt ttcagtgatg tctttttttg agtgcataat tgtgtgactc ttgaagaaat 300

<210> 1441
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1441
 atccaatatt tattgagtgt ctattaggtg ccaagcacct taatagggtcc tatggatttg 60
 aaatgccgtc cctgtcttag atctcacggt ctactggagg acacagagaa gtaagcaggc 120
 agttgcagta caatgtaaca ctgagtgtg tctgtgtatg atgctgagga gggaggttag 180
 cctgagccgg ggaagcggag cttgcaatga tcggagatcg cgccactgca ctctagcctg 240
 ggcaacagaa caagcccctg tcttaaaaac aaaacaaaat cttcagagca ggcttaaaaa 300

<210> 1442
 <211> 297
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (297)

<223> n = A,T,C or G

<400> 1442

ttttgcnaaa	aaaaaaaaatg	aagaccatga	gtgaacagtt	gtttcctaac	ccatggctat	60
ttagaatctt	ttgccaaaga	atgacaatga	tgcaaaaatg	ggaacagttt	ggattttaat	120
tagaactgtt	taggagtgat	gatgtgtaaa	aagttgactt	ctcttttgca	tggcacagag	180
aaattatatt	ccttacttca	tgtcagttta	tgttctaaat	ctttttcact	gaatataaaa	240
atcttggtta	atgccattag	gcaccaactt	aaagagggtt	gtaaaaatat	taaaagt	297

<210> 1443

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1443

actgaactaa	tatcaatttt	aaataatatt	gctattcagc	ttcaaaagac	agagcctcca	60
gcatattatt	attattatag	taatctgatt	ctttagaatt	cagagaactc	acctcattag	120
tgctcccttg	ctctatctgg	ccctgtggga	aaataccctt	gcacttttct	atgggtatgg	180
tccactgtat	cccatcatga	ctttaacatt	tttgaagtat	tggctcttta	aagtaagcaa	240
acaaattccc	ttgttacatc	aaattcaaatt	acagtaatgc	attacaggac	aaattaaagg	300

<210> 1444

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1444

gcctgtcgtc	ccagctactt	gggaggacaa	gtcatgagaa	tcgcctgaac	ccaggaggca	60
gaggttacag	tgagctgaga	tcgcaccact	gcacttcagc	ctgggtgaca	gagcaagact	120
ccatctcaaa	aaataaataa	ataaaataaa	ataaaatata	aagtttgctc	cattgttgac	180
ccattgctgc	tgataaaaagt	gtatactgga	atgcatgtaa	accatatatt	taaaatgtat	240
aggctgggca	cagtggctca	cgctgtcat	cccagcattt	tgggagacca	aggcagggtg	300

<210> 1445

<211> 161

<212> DNA

<213> Homo sapiens

<400> 1445

gtgtgttctg	tgggagggtg	tctgtgggga	tgtgactatc	aggggtgggcc	tgtgctgggg	60
atggggcagg	cctgggtctg	gagaggattt	tgtgtgaaag	taaatggggt	gtttgaggcg	120
tatgggtggc	tggtggtgtg	gggaggcatc	tgtgtatggc	t		161

<210> 1446

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1446

taaataagtt	gatattaatg	atataagcat	cacacaattt	tacattaaga	aatactgtgc	60
aggccatgcg	tggtggtctca	ggcctgtaat	cccagcactt	tgggaggccg	agggtgggag	120
atcaccggag	gtcaggagtt	cgagaccagc	cttgccatac	atagtgaac	cctgtctcta	180
ctaaaaatac	aaaaattagc	cgggcatggt	ggcaggcacc	tgtaatccca	gctactaggg	240
aggcttctga	accaggaggg	cagaggatgc	agcgagctga	gatcgcgcca	ctgcactcca	300

<210> 1447

<211> 251
 <212> DNA
 <213> Homo sapiens

<400> 1447
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 gccccctccc atccatagtg catggtgtgt ggtgccccca gggctccagg acagatcagg 120
 ccccaccttg tgtctacccc catccccgct gtgaacgtgc cactgaataa agtcggggaa 180
 acgagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa a 251

<210> 1448
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1448
 ctggaattag tggcttgcgtg ataatctcat ttataattt gttcagcaat ccagcaagac 60
 caacttttta aaaaaattaa taacagtagt ttatgaaaa ctaagtaaga aaacagtttc 120
 cacctatttc tgaggtctcc tttagaagga gtaacagaca gcttttattt ctcttaaagt 180
 tataaaaatc acaatcgcaa gtcacaatga atactgggaa gggaaattac ttttgagag 240
 tgatcaagta aatgatagcg ggggctaaac ttttttagta aacttgtgaa gattacatac 300

<210> 1449
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1449
 atgactgagt gtatacccta gttaaaatga tcaggggaga cttaactgaa aggggtaatt 60
 gagctagatt tgaaggatga ggagtagcag actagtcaaa gaaagggaga gaagaacata 120
 cctaaacatc tgatcaccag tgactgagaa agttatcagg atcaagtgga aagagaaagg 180
 actagcagag ttacaggtta gagaacagg taaaggctac tatggacggc ataatagttg 240
 catcccatgt tttgtctctt aagaacagtt gcaaactatt gaaggtttta aagctgtgtg 300

<210> 1450
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1450
 attgtcttgt gttatgggtgc ttcagcattg gattcagcag ccagcttctt agtacgaagg 60
 caacgattac ctccacaggg tcccttccat tgtcctcctg catcattttc ctccaacttg 120
 aataaatgtt ctaccacact ttctccttta ttttctctac cccctgtacc ccgctccctc 180
 tcacaattaa ctctacagca gaatgtgaat tctctgattt tagaataact attttatggg 240
 aacttcaaat atatcctagt tgtatccaca ttcagcttgg gtaggtacct tcatagtagc 300

<210> 1451
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1451
 caaagacaag cttttatgga aaaggaaatg cgctcccctc catgttcagg gatgagggga 60
 gcagcagcag ccacactccc accatcctca cagaattcct ggacccatgc ggtgggtccg 120
 tgagctgggt gactccagcc tcacctgcac accccagccc tgcaaggggc cctccttctc 180

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cccagcagcc cttggtgagc taggaattga gatccctgtt tgtgaaagag ggaactgagg      240
tcgagagaag ccagaggtgt gccagatcct taggcaggat ttagatgaag tcgccctggc      300

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<210> 1452
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1452
aaaacacatg cacacatggt tattgcagca aaccaccatg gcacatgtat acctatgtaa      60
caaacgtaca cattctgtac atgtatccca gaacttcaag ttaaagaaaa aaagaaaaat      120
atattagttt agcaacattc aaccttatcc tatataaatt atgctaagaa ctttggttaga      180
taaattctat tataaaaggt cctagctagt agtattaaat ttgttggtgt tgtaatttat      240
gtacaacaaa attcacccat tttaggtata cagtttgaat gctttttggt aattatataa      300

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<210> 1453
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1453
tgagtactta tgaaaaattg tgagaaattc attgtgtggg attttcacca ttactacatg      60
tatttggaag taaaaattgt atgactatgt atatgaaact tgttcatggt ctaaaaaata      120
ccctccattt ataatatgtt tttaaaattt gccactgaga agtacaaatt tccttcttat      180
ttcatcttag ttatcaaccc agagtcactg gaggcaatgc agtgtagtgg ttaagcgtgc      240
agattctgaa gttagacaag atttgggttg gaatcctgac tctgccactt actagctggg      300

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<210> 1454
<211> 300
<212> DNA
<213> Homo sapiens

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<400> 1454
acctaatttt tgagaacagc aagccctatt tgaccactct cttcagcctg tgtgttcctg      60
ctgttttgaa gtaatcaaat gctgtgcatg gtattttacc tgagctgcaa cctgttatgg      120
acttgaaact ctgtttaagt tgaaagcaag agtccctgag tataaaggaa aaacagcaaa      180
acaaaaagca aacaaaaaaa aactgcaaaa gtctaaaata cccattgggt atgtttttta      240
aaaaaatctt gctttcagct ttcaggagtt aatattcttt gttttaattt gataattgga      300

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<210> 1455
<211> 300
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

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<400> 1455
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tggtgttgct caccatagtg tccagctact cgggaagctg aggcagtaag atcacttgag      120
cccaggagcg cgatgctgca gtgaactgtg attgttccac tacagtccag cctgggtgac      180
agagaaaaga aaaagaaaac attacataat ttggctagag cataataatt tgattttctg      240
gtttttgaaa atttgagttg cataaaagga nnnnnnnnnn caaggnttct acaaggngnn      300

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<210> 1456
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1456
 ctgggtcatg aaataacaga ttaaaaatgt tctctggtaa aagaattaaa cttttctgta 60
 aatggaagga aaataaaaag atttcagaga gtctgatcaa taatagcttg tgggtcctag 120
 tgagtggagc agtggtataaa gaggtgaagg ttttgaggga aaaaaatact atgtcaaata 180
 ggggggtgaat gataaaaatc gctctcattt tccttttttt cacctttcat cttcatttat 240
 ggaatttcta tacaataaat atgtttggca ttttaataca gtgcctctcc cccggaatac 300

<210> 1457
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1457
 acgaaatagt gacatgcact tattagattt ggaatctatg ggcaaaagtt cagatggaaa 60
 gtcgtatggt attacgggga gctggaatcc aaaatcccca cattttcaag ttgtaaatga 120
 agaaactcct aaagataaag tcctgtttat gaccacagct gtagatttgg taataacaga 180
 agtacaggag cctgttcgat ttctcctgga gacaaaagtc cgcgtttgct cacctaata 240
 aagattattc tggcccttca gcaaacgtag tactactgaa aatttctttt tgaaactaaa 300

<210> 1458
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1458
 gattttgcga actcttcagc tacttgccct tttttatctg aaaccatcat accttctgaa 60
 agaaaaaagc atatcttcat tgacataaca gaagtgaat ggcccagttc tgatacagat 120
 ggtaccatga tatatatgga gagtggcatt gtgaagataa catctttaga tggatcatgca 180
 tacctctgcc tgcccagatc tcagcatgaa tttacagtac attttttgtg taaagttagc 240
 cagaagtcag actcatctgc agtgttgtca gaaacaaata ataaagcccc aaaagataaa 300

<210> 1459
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1459
 gtattcatga gaggaagtg ataggttact agggatggat tgtgtgggag aaataatgca 60
 gaggaatga tgatcatctc cattgaatga cagctgttat atagcaaaga taaatgtaaa 120
 attagtctta ttcttggaag tggaagacag cagttatcag agaggagaat ttaatcaaaa 180
 gaatcagaat agcatggtca caggccagat tcacattgaa gtatttactc tatattttac 240
 tgctgttaca ttcaaaatgt atcagaagtc tcattggttca attaataaag tgttattcgc 300

<210> 1460
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1460
 tcattgtgta ataaaatggc agtttccaaa gatggatgtc tttagttttt aaatgacatg 60
 ttgatttttt tcatgatata tgcaaatatt tttgtctttt ttgacctcag aacaaatgta 120

aagcattgat tggagcacac acaaaagtta ggaaatatgc tgcttggcaa ctgagtaaaa	180
gtaaatatat agtctcttaa acttccaaaa agtatataca tagtacagga tgggttctat	240
tcacaagctt tctgtctgta accgtaaaag atatcactat ctaaaaataa tatcagaatg	300

<210> 1461

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1461

ctgggtctca ggcctttgaa ctcaaactgg aactacatca ctggcgctcc tgggtctccag	60
cttgtctgact gcagaccttg aaacttctcg ggctccatta acctctttta tatatagaga	120
gagatacata cacacacaca cacacaaaca tacacacaca cacacattgg ttgtatatct	180
ggagaatcct gattaatata cccgataaat tcaaaacaaa acaaaacttg aaaaaaaaaat	240
ttttcaggtg aatatttgtt ttttagcatc tgagtttcag tccaaacagg gaaggaaaga	300

<210> 1462

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1462

tgagacagag cagccccaga acacacaccg gggagtacag gaggctaggc cacgtaccca	60
acattgcagg cagagaaaaa agaaagtgtg ttccatgtaa gcaaatgtta tttggacctt	120
tctctctgtc tgacctaatc atggctcaca gaaagtaatc atactcctaa taatacatca	180
acttatctga tttatccaca caatcacgta gattaatgta tgcttctatt tccctggctgc	240
tttagcataa tattgatcat aaattgataa ataggaataa aacaatataa ttagattaat	300

<210> 1463

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1463

caaaaacaag caaaacaaaa cattttaatt gttatgcata gtatatatgt gcatttttgt	60
taaattaaga cttataatct cataatgatc atgatttccc ccaaatgctg atgatgacca	120
aattttctatt tctgtcccag accttgaacc ccagcctaa aaatcagatt gcatattgga	180
tgttttcttc tggaagaatg tcaaaactgaa caagtctgaa actgatcttt gtgcatcaca	240
accagccaa acctgttact tctcctacat tccctttctt ggtgattggc ttgtccaccc	300

<210> 1464

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1464

agttgtatta ggatctttat gtgtggccaa ctcattaaat tttcagatta actcagaaat	60
attgttcctt tattttgcac atgaggaaac tgaggctcat atgttttttt cttctttatt	120
ttttattttt agagacaggg tctcgtttca ttgccctggc tgggtctcgaa tttctggctc	180
ctgggctcaa gcaatcctct cacctcagcc tcccagttac ttggaggatg aggtgggaga	240
attgcttgaa cctggggagg ggaagttgca gtgagccgag attgtaccac tgcaactccag	300

<210> 1465

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1465
 gtttactttg ttgtctttgg ccctttatgc aatcagtgtg aaaggactag ccgtttctgg 60
 ccctacacta aagcttattt atatttaa atcagtgattcc aaactttaaa tgtataacat 120
 catgttaatt ttgtaacatc aatggttttc tttaaaattt caagatattt atcttggtac 180
 ttgtattgga cagttctaag aaatcttaga gggataactg tcttacctgt tttttaaaaa 240
 agatcagctt gcaatcttct gcttcaacca tatctgtatt agaatacagt attatttcta 300

<210> 1466
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1466
 gatcaatcca agctcctaaa catggtattc acagtacagt cctaaaaaca ccatcccca 60
 cttgctgtaa acccaaatg gcgggggcct cccagatata ctatgtctgt gcctttgtac 120
 cagctgggccc ctctgcctgc aatgccatct ccatctcttc catccccttc caggagacgc 180
 tagcactcac tctctcctcc tctacatacc atcattcctc ctccctgaaga gctactctcc 240
 ctaactcacg tgtcacaaca acccacctgc cattatcctc ctcttcatct tcacaccggc 300

<210> 1467
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1467
 gacagctgag gcccttgga ggcagatcca actcctcctc cagcgacacc actggctcct 60
 tcacagcttc actccaagaa acttctagac ccccaggggg gtgtctcaag tgaaagtctg 120
 gcccacatc taccccaag gatggcactg gctaggactg cttcagggtct cggttaacct 180
 aggtcaaagt gtccttgggc gcaagtctga gttaggctgc agaaacacct gctacctccc 240
 ccagggtcac actgacagct gccgggcctg ggtcaggcac agccagtgtc caccttcagt 300

<210> 1468
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1468
 cctagttaaa tcacaacaag ttagtaatcc ataaatgatg tgtcctgttt ctctttagta 60
 gaaattatat ttttggtac cagttaagaa acttgctact ctttgtccct tatgttacta 120
 taaactcaag atgatgagtt ttgtggtatt tgacttcata ggcaaatca aaatttttac 180
 tttgttgcta ttctgtttta tgaaataaac ttctgtctat gcatttgaac taagtttcag 240
 caaattcaat ctaaattgaa taattccagc tccagtttt atcctatgtt gtcataaaa 300

<210> 1469
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 1469
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tgtgcaagcc cagggtaggt ggcacccagt ctgccaatct gcaacgcact ggtatcttcc	180
agccagtaga ccttgctccc tgggtgcca gttctggatc tcaggaaagg cggattaagg	240
ctcctaattgg cgggacctgg gtggggattt gntgncctnt ggtggcanaa gggacatcac	300

<210> 1470

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1470

gaggattagc catgctgggg tctcttggac aaaaggctgg tactgattga aaaattccct	60
gagtatgtct agaagtgtca ggctcctctg gaatcagtta cagtgggatt ggctgcttag	120
gtataatctt tataagatta aaaattatag attatttggc agcttgcttg aaagtgttgg	180
tccaagaaa aagtcttctgt gtgtgttatg gcagaattat taaaaaaaaat acattcttaa	240
gttgagggtt ctaagtaggc ttttgtaaaa acaggcaatt acttgctgga ggcagttaat	300

<210> 1471

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1471

attcgatttg ggtcgcaatt acacagacat tgacgggcaa ctggagcctc ccagggactc	60
ctgcacgaga gggagttact gaagtcctctg cagagtgaact gttttccctc agtcagtgcc	120
tccttttctt caggtctcaa ggacgggatg agcttgctct ggaaagcttt gagggagtct	180
cgtattttac cttcatagca aaagtgtgtt cccacttctc ctccaccatt tcttatttct	240
tcctgacagt tgttctggca catctcttga tcgattgtag tattttcttt ctttcttttt	300

<210> 1472

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1472

agttgctgtc agtcttggtg tggaaaggag acgcactctat gacattgtaa atgtgctgga	60
gtcgtgcat ctggtcagcc ggggtggctaa gaatcagtat ggctggcatg gacggcacag	120
cctgccaaaa accctgagga acctccagag actaggagag gagcagaaat atgaagagca	180
aatggcctac ctccaacaga aagagctgga cctgatagat tataaatttg gagaacgtaa	240
aaaagatggt gatccagatt cccaggaaca acagttactg gatttctctg aacccgactg	300

<210> 1473

<211> 148

<212> DNA

<213> Homo sapiens

<400> 1473

catccctgga gcagcttcca acactacttc aggggtggcag tgtttggggc actgggcgag	60
cctgcgggcc tctagatggc ctcatctctt ccttccacaa actgtctaga accaataaaa	120
ggaaacctgc caaaaaaaaa aaaaaaaaa	148

<210> 1474

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1474

tgctgttga	acttgaacct	aaaaggacca	ttcaaagcct	gaaagaaaaa	acagaaaaag	60
taaaagatcc	taagactgct	gctgatgtgg	tcagccctgg	ggccaactct	gttgatagca	120
gagtgc aaag	accaaaagaa	gagagttcag	aagatgaaaa	tgaagtgtct	aatattttga	180
gaagtggtag	atccaagcag	ttctataatc	aaacttatgg	aagcaggaag	tacaaaagtg	240
attggggcta	ttctggtagg	ggtggatatc	aacatgtgag	aagtgaggag	tcctggaaaag	300

<210> 1475

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1475

ctgaggttgt	tttctgttg	ttgttgttgt	ttttccttga	gaggagtgtc	aagacgtggg	60
aggctgtggg	cagggttcca	cgggagaagg	aggatgctgc	atgtctggga	cttgtaggga	120
ggaagcactg	aagaaatcta	tgtggcacac	ggaggtgttt	tcaggtgttg	aaccataggg	180
aggctacgt	gatttcctca	ttaggaggat	tagagagggc	agagtcagga	aaccaataga	240
ggagggcctg	actaaatggt	ggtagtggat	atgtctgagg	ctggggatca	ggctctggtg	300

<210> 1476

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1476

catcagtatg	cttatggatt	tgatgacagg	catagcctgg	gcatatcacc	tcattggtaa	60
agggtctagag	cctttctttt	ttatggcact	tctttttttg	agataggggc	ttactctgtc	120
accctggcta	gagtacactg	gtacaatcac	ggctcaatgt	aggcttaacc	tcctgggctc	180
agggttatgt	cactatgccc	ggctactttt	tgtatttttt	ggtagagacg	gcttcgccac	240
gttgcccagg	ctgcaagcga	tatgcctagg	ctcaagcgat	ctgcccacct	caacttccgg	300

<210> 1477

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1477

ggaaaaataa	catgttcact	ttatgaaagg	aagaaccagg	aaaaataata	gaaaataatg	60
aacatgagtg	gagatataga	tgaaagctaa	ataagcattc	actgtgtctt	atcaagagtg	120
actaataagc	tgacagcttt	atttgagtgc	tggtaaagcaa	attaatatca	tataaatcat	180
tacaatttgg	ataaaagcaa	acctgttatc	aaatttaaaa	actgtttaat	aattcaacac	240
tccagtgggt	tgccttggtt	aagcaaaagg	attctggcca	agatatttta	cttcagctct	300

<210> 1478

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1478

ctggaagggg	cagagcccag	gacagggctc	catgtccaca	ggacggcgag	gagcgaagac	60
catggggact	gagtacacag	atgaagacac	agaagcatag	agaggataag	taatcactag	120
caagtgggaag	aaccgggatt	cagatccaga	acaggctgac	tccagagtca	ctggctgtca	180
tgtagtttcc	tcaactactg	cctcagctct	acaatcccag	agtaaagctc	ttctccaaat	240
gaagagccag	gaagaggtag	aggtggcagg	aattaaactt	tgtaaagcca	tgtccctggg	300

<210> 1479

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1479

cctaggcttt accctcaata ctgcttctgc ctgaccaaac tgtctctctc ctgtggctct	60
gtgtgatgtg acttgtcctc ttctccaagg cagtattact cataaattct tctttagcgg	120
tactgatcta tctgtgtcat cgctcagtca accacatata ttaagaccta ggcacagaac	180
aattctatatt ctataaaatt ctagaaaatg caaactaaac cataatgaca aaaagaatat	240
tagtggtttc ctagggatgg gatgtgggca aagagagacg aaagaaggag ggattaccaa	300

<210> 1480

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1480

gaaggaagaa aatttgggac tttgttttaa aagtgggaata ctatcttctt aaacaacttg	60
tgtttaaaac aagccccaat ccacacttga tcttcttaag ctaggaaaag tgagctcaca	120
ctgagtgtg gcaggatgct ccatgtgcat cattattttg tttaattctc acaataactc	180
tctaaatccc ttttgaggat aaggagactg gggctgggag aagtatttct aaggagtaaa	240
taaaaaatc agaccactt gggttttatg ccaaaggctc tgtttttaca aatacacaat	300

<210> 1481

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1481

aattcggcag ctccctcaaa gaaaggagaa ctaggaaaat gttttcgcca tctcccaaag	60
atgataggaa agttctgagc agggttctgg gtatagcccc ttgtgagaaa ttcaaggccc	120
aatcaatgcc atagatgagt tatatatccc aaattttacac tacttatgta ggtgtagtaa	180
cctccaaatc aataaattaa tataaaattg gcccaggact ggtgaaacct agagtcctgt	240
cagaagcaaa tacaaagcag ccctttaaca acagttttaa atttagggcc ttcaagacct	300

<210> 1482

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1482

ctgtagtcct attttgccat atgacatgat tgaaatcaac acctcttaga aatagttttg	60
ctgcctcata attgattacc atcatgataa cctgtagtca gtgtgaaata gagataaaaa	120
ttaatgtact tagttaaatg catatgaagg tctaactctg ttccagagtt actcttactg	180
gattatTTTT agatttttat taacattact ggtctctaac ttacttcagt ctggataaga	240
aaaagaatac catgcaattg ttaactattt gatgtttact agattaacta ttaatatatt	300

<210> 1483

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1483

aatgtgtatg cggggctggt gggaacagcc cgggtggcgg gggtaggatcc ctggtgtgag	60
cctggccttc tgtctgctcc aaggggctg gaacaggacg gactcaggtc caaatccctg	120
gtttcctgtc ccttagtggt gtggccgtgg gcaaacgcct taacttccgt gagctttgac	180
agtctgtctg ggaggcagg ctcaggcatc cctggcctct tgggggtggg tgagaggag	240

acagaggttt gtgaagcgct ttgcacacct gggcatctgg tcagtgttca gtaaattgcca 300

<210> 1484

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (297)

<223> n = A,T,C or G

<400> 1484

gggccacgac taccaaattg gcccctaccg caagaacctg ctatgctacg accaccggac	60
agacgtgtgg gaggagcggc ggcccatgac caccggcgcg ggctggcaca gcatgtgcag	120
cctgggtgac agcatctact ccatcggtgg cagcgatgac aacatcgagt ccatggagcg	180
cttcgacgtg ctgggcgtgg aggcctacag cccgcagtgc aancagtgga cccgcgtggc	240
gccgntgctg caccgctnca gctagtnngg cgttnctana tgnaacngcc ctattta	297

<210> 1485

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1485

taggatcttt atgtgtggcc aactcattaa attttcagat taactcagaa atattgttcc	60
tttattttgc acatgaggaa actgaggctc atatgttttt ttcttcttta ttttttattt	120
ttagagacag ggtctcgttt cattgccctg gctggctctg aatttctggc ctctgggctc	180
aagcaatcct ctcacctcag cctcccagtt acttgaggga tgagggtggga gaattgcttg	240
aacctgggag ggggaagttg cagtgagccg agattgtacc actgcactcc agcctgggac	300

<210> 1486

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1486

agaaagagtt gtgttgga aa tttgactttg gctaaccag aattgtatag tttctatatt	60
tttatttggt ttaattgta ccagatggtg gcagtagagg tggcaacctt atagctccat	120
ctggcagccg ggagcttatt ttagtcaaca caaactgtaa ataccatacc atagttagt	180
ttacctgga agtcggactt agttccataa actgatcatt ttctgtggct tgtagtgttc	240
aaattgtata atattcctca taaaataata tagaaatata gaaataaaa ttataataaa	300

<210> 1487

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1487

ttttttacta tgtaccataa tgtcccattc atgagaacct agaagtagtt tttctcatta	60
gcgaatgcta gaattttatt ttttttcaca tagtgaaaag gtgaaattgg tctgtcttcc	120
tctttacttt agctgctagt aagggtgaaa caacgatggg gcccaaattt aacagttagg	180
tgacatcttc ttctacgtgt gctaagatta cccagacttc actttaccct tatttccac	240
tgactttgat ccctttactt ggttttattc tgtagtatgg attttttgca tcttttcagt	300

<210> 1488

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1488
 gcaacgtgtg cggtcgggcg attccggagc ccctgcgtgg aggaactgct gggcgggagg 60
 agacgccggc ggctcgggcg atggctgacc gcacacgttg ccaccctgag gtctttctgg 120
 aagtggatat ctactcagac agtaagaatt ataagagctg taagagctca ttttggagga 180
 ataatggatg aaccatctcc cttggcccaa cctctggagc tgaaccagca ctctcgattc 240
 ataataggtt ctgtgtctga agataactca caggatgaga tcagcaacct ggtgaagttg 300

<210> 1489
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1489
 ccgctgcctg cagggcgatg agaacagcga ggtgtggcgg agcctgtgcg cccgcagcct 60
 ggcagaagag gctctgcgca cggacatcct gtgcaacctg cccagctaca aggccaagat 120
 acgtgctttt caacatgcct tcagcactaa tgactgtctc aggaatgtct acattaagaa 180
 gaatggcttt actttacatc gaaaccccat tgctcagagc actgatgggtg caaggaccaa 240
 gattggtttc agtgagggcc gccatgcatg ggaagtgtgg tgggagggcc ctctgggcac 300

<210> 1490
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 1490
 ggaagaggga agaagagaag ctggttatct ctagaggatg tcgtaatcta catcacaggg 60
 agaactgatg gctcagtggc tgagtggcca gtatattgtc tttt 104

<210> 1491
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1491
 ctggatccag tccaggccag agcctcctct gcagagaagg tactaggtgc ccatgcacag 60
 ggtgactgcc agcctcgtgg agtgggggca gtggtgtccc tgcggggggg cttggtcttc 120
 tgaggccatg tcagtgccac cccagggccg ccctccatgg cagtgtgggg ccaacaagcc 180
 tgtcttccca tttttctgag agaggctgga aatcctgttc tttttatata taaagtgttt 240
 ccttttcaaa atattggcaa ctaagtaaag ccaaacaag tatgggcaa atcatggcac 300

<210> 1492
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1492
 gaccaaggag atgtgagtga aaatgatgca ggctgcttcc aggtgtgacc agtaagatac 60
 ttcccacata atcttcttac tctttcttcc ctgtttggca tcccatgtgc taagaatggg 120
 aaccctgagg tcctatatgt ggaaccataa ggtaaatgtc tttgggctct gaatctcaca 180
 cagggctcac tgagaataag aaacatcctt cttgggcttt gtatgaataa gaaaatacta 240
 gcaaattttt aagaagggaag taattccagt atttcacaaa cccttccaaa gaatagtaaa 300

<210> 1493
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 1493
 gaacctttga atagtgggtg tacatacagt ttttcagagc tgggtgtttaa taacaatatt 60
 tttcattcta atattacatt attcttttta tcatttaggt ctttatccgt cagtgttttt 120
 agagaactac tgcacttgac cacaaactga taaatacttg gtactgcccc atctcactgt 180
 tctgtttact ttgtcttaaa tatctctttt ttttttccca ggcagctagt acacnactga 240
 atcctttaag ctttcanngn gaatttgna anctcaggat tgacctttta caagcctt 298

<210> 1494
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1494
 gaaggcacga attgaattgt gggaacagga acattcaaag gcatttatgg tgaatgggca 60
 gaaattcatg gagtatgtgg cagaacaatg ggagatgcat cgattggaga aagagagagc 120
 caagcaggaa agacaactga agaacagcca ggctggtctt gaattcctga cctcagggtga 180
 tccacctgct tcggcctccc aaagtgctag gattacagggt gtgagccacc acgcctggct 240
 aattttgtat ttttagtaga gatggggttt ctccaaaggc tggctcttgaa ctcccgaact 300

<210> 1495
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(196)
 <223> n = A,T,C or G

<400> 1495
 ggatataagg ccaagagaca aaaaagccat agcctgaaag atttagcaat ggtggagtaa 60
 tgtctccctg tgctgataca agcatgaact ttctggaata ttctgctagt ctgaaattac 120
 agcaggttgt ctggggtagg ggggagggcgt tttttttttt ttttnnaann agggncnctn 180
 tnnngcccn aggggg 196

<210> 1496
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1496
 ttttaacagt gtgccttttg ggagggaccc atgtccatgg ctctcgttgag ggccatccat 60
 atgccagctg ggggcccagcc cacagtggcc atattggctg cagcaggaat ggtgcccacc 120
 tcggcgaatt gaagggctaa gactcccaga tagctaggcc agagctggaa gcagacagta 180
 aggggaagag ctgctccac aggagagggg gagattccag ctactgcgc agcctgggag 240
 gaggcgtgga tcctggcacg ctgagcctca ggcaccagcc tccctgtgct cgacagcaaa 300

<210> 1497
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1497
 agcaacccta gcaatagact gactctacta caaaacaatt tggttatttc tcttactatt 60
 tctctattat atctgttgag ggaatgttat catgagcaca ggtattagtc ctatgctttt 120
 aatcggttta gtggtttctt tgtgtctcat tttattcatt tgtaattttt ttaaagacta 180
 taaaacttcc acagtttctt tagatcatta agttatatga ctctttttca tggggggtcag 240
 ttaacaatac ataagaaaac atttgttcta ggataatata tgacctaaca gtcttttgg 300

<210> 1498
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 1498
 gctagttcga gttttttttc cttttactct ggtattgaca catttttctgt gatcattggt 60
 aattagtgac atagtaacat ctgtagcagc tggtagtaa acctcatgtg ggggaggtg 119

<210> 1499
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1499
 gttgaaacac gaggtataaa tgaccaagga ttgtacagag ttgtgggggt gagttcaaag 60
 gtccagagac ttctgagtat gttgatggat gtaaaaacat gcaatgaggt ggacctggag 120
 aattctgcag attgggaagt gaagacaata acaagtgcct tgaaacagta tttgaggagt 180
 cttccagagc ctctcatgac ctatgagtta catggagatt tcattgttcc agccaaaagc 240
 ggcagcccag aatctcgtgt taatgcgac ctttcttgg tacacaaact gccagagaag 300

<210> 1500
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1500
 atgatgtaaa gtctgaaata tacagctttg gaatcgtcct ctgggaaatc gccactggag 60
 atatccggtt tcaaggctgt aattctgaga agatccgcaa gctggtggct gtgaagcggc 120
 agcaggagcc actgggtgaa gactgccctt cagagctgcg ggagatcatt gatgagtgcc 180
 gggcccatga tccctctgtg cggccctctg tggatgaaat cttaaagaaa ctctccacct 240
 tttctaagta gtgtatcaaa atctaaacca aggagtctct ggacaagaag ctgggagagg 300

<210> 1501
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1501
 caactcctga gacatacact cattgatgat tcatcacgaa atgtttaatt atattgagca 60
 tgacgctagg accaggagga catttgaga ccgtattacc cagaccttac tttcatgtga 120
 aacctttgga aaaggcaca ctaaaaaact ggacagaata cttagaattt gaaattgaaa 180
 atgggactca tgaacgagtt gtggttctct ttgaaagatg tgtcatatca tgtgccctct 240
 atgaggagtt ttggattaag tatgccaagt acatggaaaa ccatagcatt gaaggagtga 300

<212> DNA

<213> Homo sapiens

<400> 1950

gtatactttg	acactgagaa	caaagagaca	gttatatctg	gaatgggaga	attacacctg	60
gaaatctatg	ctcagaggct	ggaaagagag	tatggctgtc	cttgatcac	aggaaagcca	120
aaagttgcct	ttcgagagac	cattactgcc	cctgtcccg	ttgactttac	acataaaaaa	180
caatcaggtg	gtgcaggcca	gtatggaaaa	gtaataggtg	tcctggagcc	tctggacca	240
gaggactaca	ctaaattgga	attttcagat	gaaacattcg	gatcaaatat	tccaaagcag	300

<210> 1951

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1951

ccggcatgtc	tttctccgc	aagagctata	ggctgacctc	agatgctgag	aaatccaggg	60
tcacaggcat	tgggcaggag	aagctgctga	atgactacct	gaaccgcac	tttctctctt	120
ctgaacatgc	acccccagca	gccaccagca	ggaaaccctc	gaacttccag	aacctgccag	180
aacatttgga	ccagttgcta	caggtggaca	atgaggagga	ggaaagccag	ggacaggttg	240
aagggcggct	tggcccatcc	actgagggcc	tggaccacac	aggcggcttt	gaggggcttc	300

<210> 1952

<211> 298

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (298)

<223> n = A,T,C or G

<400> 1952

gtgcgcttnt	atgtntcat	agacnttttt	ttnaatccct	tttaancacc	tactatgntc	60
tggnttgeng	gatengntcg	gntctntcca	tnggacaacn	ctcnccacac	gccaaacctg	120
ttcannaacg	ccctaanggg	gaacttanng	gggtgaatcc	cctgccacag	accccgnaacc	180
tggagnagga	cttgaaggan	gtgctgcntt	ctgangctgg	catcnaactc	atcatcnagg	240
actacatcan	gcccnagaan	cataatagga	ancctggntc	gcngcgganc	cncatcaa	298

<210> 1953

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1953

ggccatcctg	gccatccaca	aggaggccca	gaggatcgct	gagagcaacc	acatcaagct	60
gtcgggcagc	aacccttaca	ccaccgtcac	cccgcaaate	atcaactcca	agtgggagaa	120
ggtgcagcag	ctggtgccaa	aagcctctag	aactatagtg	agtcgtatta	cgtagatcca	180
gacatgataa	gatacattga	tgagtttggg	caaaccacaa	ctagaatgca	gtgaaaaaaa	240
tgctttatth	gtgaaatttg	tgatgctatt	gctttattht	taaccattat	aagctgcaat	300

<210> 1954

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1954
 ccgcgcctgcg cccaggtgaa atacacagcc atgttgctca cacaaagcct gtttggtggg 60
 ctcttcacac gggcacgtat gcaatttggg gccgtgactc ggatcggggg acctcccttg 120
 ggagatcaat cccctgtcct cctgctcttt gctccgtggg aaagatccac ctatgacctc 180
 aggtcctcag accgaccagc ccaagaaaca tctcaccaat ttcaaatccg aaggcaggaa 240
 tgtcaggcct ctgagcccag gccaggccat cgcaccccg gacttgcaag catacatcca 300

<210> 1955
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1955
 agcaagtcag caaatgtggg agatggaaaa ctggcttcct ccacccacct aggttctttg 60
 gctgggctac aaattaaatg gacataaaat agattaacag gagaaaaaac acagtaatta 120
 tgtgtatatg cctgggagtc ccacaaaata tgagactcaa aagaaggggc cgaagaggga 180
 agcttatata gccccctgag ccacagaaaag gaatagggac ctgggggcttc tggtaggtgg 240
 tggagacaag ttatggaaga gtgagggggag gaagtgtagg gtgagtaaat gtggtcttgt 300

<210> 1956
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (202)
 <223> n = A,T,C or G

<400> 1956
 cccagtgctc ctcttcttc tccggccaga cccagccccg cgaagatggt ggaccgcgag 60
 caactggtgc agaaagcccc gctggccgag caggcggagc gctacgacga catggccgtg 120
 gccatgaaga acgtgacaga gctgaatgag ccactgtcga atgaggaacc gaatccttct 180
 gtctgtggcc tacaanacg tt 202

<210> 1957
 <211> 218
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (218)
 <223> n = A,T,C or G

<400> 1957
 ggcagctcca agtggaatcc acgtgcagct tctagtctgg gaaagtcacc caacctagca 60
 gttgtcatgt gggtaacctc aggcacctct aagcctgtcc tggaagaagg accagcagcc 120
 cctccagaac tctgcccagg acagcagggt cctgctggct ctggggtttg aagttggggg 180
 gggtaagggg ngactgngct acnncatann ntttttat 218

<210> 1958
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1958

ggatatgtgta	gcgccagtg	ccgccggcg	agcagtctga	gcccgcagat	gaggccgggg	60
acgggagctg	agcgtggagg	cctcatggg	agtgaatgg	agagccatcc	tccctcgag	120
ggctctggg	acggggagcg	gagattgtcc	ggctcaagcc	tctgctccg	ctcttgggtc	180
tctgctgacg	gcttctctgag	gagacggccc	tcggtaagg	atcagtggg	cagggggaag	240
gcggcacatt	gaaaaacgga	gtgagaaaca	ggaagctttc	tccgaaagga	gaagaagata	300

<210> 1959

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1959

ccggaacaag	gaccaggagg	tgaacttcca	ggagtatgtc	accttcctgg	gggccttggc	60
tttgatctac	aatgaagccc	tcaagggctg	aaaataaata	gggaagatgg	agacaccctc	120
tgggggtcct	ctctgagtca	aatccaatgg	tgggtaattg	tacaataaat	tttttttgga	180
cagatnnaaa	agaaacaaaa	cttgcctttac	agatnctgaa	aggcctgnna	caaggccngg	240
naattngggg	antccgtcct	gcattgngca	ngatgctcag	cggcatccct	ggncacccac	300

<210> 1960

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1960

agggggcggg	cccgtacgcc	gattccatat	gggcgcgggc	gcggagcgcc	gcggggcagc	60
gcgggggtcgc	catggctgag	ctgcagcagc	tccgggtgca	ggaggcggtg	gagtccatgg	120
tgaagagtct	ggaaagagag	aacatccgga	agatgcaggg	tctcatgttc	cgggtgcagcg	180
ccagctgttg	tgaggacagc	caggcctcca	tgaagcaggt	gcaccagtgc	atcgagcgct	240
gccatgtgcc	tctggctcaa	gcccaggctt	tggtcaccag	tgagctggag	aagttccagg	300

<210> 1961

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1961

caggggcgta	ggcagccatg	gcgcccagcc	ggaatggcat	ggtcttgaag	ccccacttcc	60
acaaggactg	gcagcggcgc	gtggccacgt	ggttcaacca	gccggcccg	aagatccgca	120
gacgtaaggc	ccggcaagcc	aaggcgcgcc	gcacgcgtcc	gcgccccgcg	tcgggtccca	180
tccggcccat	ttgcgtcatt	gccccagt				208

<210> 1962

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1962

agaaagattt	tctttattaa	tgaccccaac	cgtatttctt	tagatacagg	agttttgaac	60
ttccataatt	aggagaaaaac	cgttatgact	gcattatcct	gcaactctta	cccgtaatat	120
attgcaaagc	gaaacagctt	ggaaaagagg	gtgggagaaa	aggggaagtga	gggaggggaag	180
ataaaagaaa	ggaattaagt	tgatcaagt	gaattctttt	ttttttttaa	attntnggna	240
nctntnaagn	ttttgnannc	ccanntngtt	nnngcaaata	ntttncnaan	cgnttccaaa	300

<210> 1963

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1963

aggagaagga	gaaagcacat	gaaggagcaa	gacccatgag	agccatcttc	ctggccgatg	60
gcaatgtctt	caccactggg	ttcagccgca	tgagcgagcg	gcagctggct	ctctggaatc	120
cgaaaaatat	gcaggaacca	attgctcttc	atgagatgga	cactagcaat	ggggtgttgc	180
tgcctttcta	tgaccctgac	accagcatca	tttacttatg	tggaaaggg	gacagcagta	240
ttcgctat	tttgatcacg	gatgaatccc	cgtacgtcca	ctacctcaac	acattcagca	300

<210> 1964

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1964

gagaactagt	caataaggaa	caggatcaac	ggccactcca	cccagtggca	aatccacatg	60
cagaaatctc	caccaagggt	ccagcctcca	aagtgaaaga	cgccgtggaa	cagcaagggg	120
aggtgaagaa	gaataaaaaga	gaaagaaagg	aagaacggca	gaagaaaagg	aaaagagaaa	180
agaaagaact	aaagttagaa	aaccaccagg	aaaactcaag	gaatcagaag	cctaagaagc	240
gcaaaaagg	acaggaggct	gaccttgagg	ctggtgggga	ggaagtccct	gaggccaatg	300

<210> 1965

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1965

acaggttccc	atagctacag	aggtgctttt	caaacttaca	caggggaagt	tgacctttta	60
agatgtggcc	gtgtacttct	cctgggagga	atgggatctc	cttgatgagg	ctcagaaaca	120
cctgtacttc	gatgtgatgc	tggagaactt	tgcaattacg	tcctccctgg	gttggtgggtg	180
tggagtggaa	catgaggaaa	caccttctga	acagagaatt	tctggagaaa	gagtgccaca	240
gttcaggact	tccaaagaag	gttcactctc	ccagaatgcc	gactcctgtg	aaatatgttg	300

<210> 1966

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (216)

<223> n = A,T,C or G

<400> 1966

ggagaacggg	gctgaggagg	aagaagaaga	aactgccgag	gatggagagg	aggaagatga	60
aggggaagaa	gaagatgagg	aagaagaaga	agaggatgat	gaagggcccg	cgctgatgag	120

agctgccgaa gaggaggatg aagcggatcc caaacggcan aanacagaan atggggcntc	180
ggngngagcc cctgncaana ggctgncgnt gggagg	216

<210> 1967
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1967	
taggcgtgcc taatgggagg tctatataag caatgctcgt ttagggaacc gccattttgc	60
ctggggacgt cggagcaagc ttgatttagg tgacactata gaatacaagc tacttgttct	120
ttttgcagga tcccatcgat tcgaattcgg cacgagacca ttttattttt tgggccatta	180
ccccataccc cttattgctg ccaaaaccac atgggctggg ggccagggct ggatggacag	240
acacctcccc ctacctatat ccctcccggt tgtgggtgga aaacctttgt ttttggggt	300

<210> 1968
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1968	
gcctcagagt ctctgatcaa gcagattcca cgaatcctcg gcccagggtt aaataaggca	60
ggaaagtcc cttccctgct cacacacaac gaaaacatgg tggccaaagt ggatgagggtg	120
aagtccacaa tcaagttcca aatgaagaag gtgagtgggt ctggcgggtt gctatgggtg	180
aagggtgttg cagggctctaa atcttatcca agtctctaaa tatgccagta agagcaccca	240
ccaggattga aacttttgga gtaaccctgg tcttggcccg ggtccaagta cctgctcacc	300

<210> 1969
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 1969	
gtagagacgg ggtttcacca tggtggccag gatgggtctca atctcttgac ctctgatct	60
gcctgccttg gcctcccaaa gtgctgggat tacagggtgt agccaccacg cctggcgggc	120
ttatttttat ccacagtaaa tcttcagcaa ctcatgtct ccaccagata gtattttct	180
gtaaatgaaa tgctgacttc gcctcttcct gctgtatgct catccctgca ctgagcacag	240
atatgacaag cagtagccat gggggagggt tgggaaagt	279

<210> 1970
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 1970	
ggagacttaa ttttccaaac agtaagcctt gaaaaaagaa gccaaagtaa tttgttttc	60
aaaattgtat aaaaaatcta taaaattttc atcttgacca taatatataa gtttcataag	120
ccttttataa cctttataac ctttattaag gagtcagtta gtgcttcaag aaaaccttgt	180
taatctgaca caggggcca tttgcg	206

<210> 1971
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1971

caggagcctg	ccagaagccc	atggggggcc	aggccgggtg	gcttctatct	tattttttta	60
gagatggggt	cttgctgtgt	tgcccaggct	ggtctcggac	tcctgggctc	aagcagtcct	120
ccctcctcgg	cctcccaaag	ttctggggct	acagggtgtga	gccacttctg	cccagcatcc	180
caggcctgaa	cagccttggt	aggacccgtc	cctagagggg	gctctgggtg	ctcccttagg	240
tgggccttga	gctggttttt	aaccaaaccat	ccttccaaac	tctgtctgcg	acctgcttcc	300

<210> 1972

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1972

catgttggca	tctgcccctc	ctcaagagca	aaagcaaagt	ttgggtgaac	ggctgtttcc	60
tcttattcaa	gccatgcacc	ctactcttgc	tggtaaaatc	actggcatgt	tgttgagat	120
tgataattca	gaacttcttc	atatgctcga	gcctctagaa	ctatagttag	tcgtattacg	180
tagatccaga	catgataaga	tacattgatg	agtttggaca	aaccacaact	agaatgcagt	240
gaaaaaaatg	ctttatttgt	gaaatttgtg	atgctattgc	tttatttgtg	accattataa	300

<210> 1973

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1973

gaaatatact	tccttaaatg	atggacattc	ctaaatccat	ctaggaatgt	tggatgtatc	60
tatctatcta	tctatctatc	tatctactgt	attaagcccc	ttctcaaaat	tgtagtttca	120
gaagtatggt	ttgataattc	ataatcaagt	tctttttctt	tatgcccaga	agtctgtatt	180
ctgcacagac	ttgcataccc	ctagctgcgc	taaagttcag	aagtttgagc	tgccactgaa	240
gtattgactg	tggagaggcg	gggttttctg	tctccaatga	ggtgcctttg	gtgtcgggaa	300

<210> 1974

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1974

gttgagtga	atggctctct	tcattctgca	aagagggcag	cagggaggaa	atgagtgaat	60
ccaggagtgg	ccccctcca	cgagggacct	ttccagcaca	gggtttgatc	tgtgtgtatc	120
acaggggaga	tgggagccat	ggaaggttct	tgagcaagat	gggggtgggg	gtggggccca	180
c						181

<210> 1975

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1975

gcagtctcct	gagccagagt	gtgctcagac	agagtccagc	tggtggaaag	ggacttatgg	60
agagaaaaag	aaaagcgatg	tagaaaaatt	gaaaagaggt	acagaaacag	ctggattggg	120
tacagctcgg	tgtttgccct	atthtgaaca	gggtttgaac	agttggccac	ctttggttgc	180
tcaaaacttg	gtgattggca	caagagtagg	ttacagtctg	tttgacatc	catttaggtt	240
gcagttcact	gtgtacagag	aaacctttag	gctgaactta	aaacgtgtaa	ggagacagct	300

<210> 1976

<211> 189

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (189)

<223> n = A,T,C or G

<400> 1976

gtgggttagg ggagccgcat tcgcaaccac aagtaccgca gcctcaacga cctagagaag	60
gacgtcatgc tcctgtgccca gaacgcacag accttcaacc tggagggctt cctgatctat	120
gaagactcca tcgtcttgca gtcgggtcttn accagnttgc ggnntaaaat ntagaaggan	180
gatgacagt	189

<210> 1977

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1977

gtaagacatc agaaagtata tgtgagatca ataataattc cgaacatgga gccaaaaaca	60
tgtttgctat atctaaacaa ggaagtaatt tggtagaatc aaagcatttg aatccaggca	120
gcatttcagt gcagacatct ttgacaaata gtcacaaat agataagcca atgaagatgg	180
agaaagggga aatgtatgga aattctccaa gatttttagg tgccacaaat ttgactatgt	240
attctaagat ctcaaactgt cagataaata atctgcatgt gtcttatact aacactgatg	300

<210> 1978

<211> 244

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (244)

<223> n = A,T,C or G

<400> 1978

ggggactctg ccactctacc ccagcccta cccaccagcc cccaggtgag gcttccagct	60
gggacctgcc cagacaggct gagcctgggc gtgggtgggtg ggggtgatgnc tctggngagc	120
ggctgtcatn ctacaaacnn caccnntnnc tttgagctnt nantatggna cccagtgnct	180
tnntntgnan nacangngga anntgccnnt cgnnnaccnn catncnggga nnnccccntt	240
tttg	244

<210> 1979

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1979

aatcataatg gggaaggcca tccagcctcg cgtegcgaac gccagcaaga cgtagcccag	60
cgcgtcggcc gccatgccgg cgataatggc ctgcttctcg ccgaaacgtt tgggtggcggg	120
accagtgaag aaggcttgag cgagggcggtg caagegctca ccgcatcggtg gcacctggca	180
agggcatcct ggctgcagat gagtccactg ggagcattgc caagcgggtg cagtccattg	240
gcaccgagaa caccgaggag aaccggcgct tctaccgcca gctgctgctg acagctgacg	300

<210> 1980

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(187)

<223> n = A,T,C or G

<400> 1980

atgataatga	aagactctcg	aaagttgaaa	aagctagaca	gctaagagaa	caagtgaatg	60
acctcttttag	tcggaaattt	ggtgaagcta	ttggtatggg	ttttcctgtg	aaagttccct	120
acaggaaaat	cacaattaac	cctggctgtg	tggnggntga	nggntngctn	cctgnnctgn	180
nngacng						187

<210> 1981

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1981

ctttctctgg	cagtgattcc	tgaagggaaa	atcatgaaca	acacctacta	ccaggaatgc	60
ctcttctacc	tgcacaacta	tagcaccaac	ctggccatca	tcagcttcta	cgtgaggcac	120
agctgcctgc	gggaagctct	tctgcacctt	ctcaacaagg	tgggacatgg	acacagctca	180
aaaaggcagt	gcctgcctta	ctcctctggc	ttggaccact	cagccttaag	cgggacaata	240
acccctgac	acttaaccct	gtgttgagct	atggggccat	ctctagcaga	gtcaagtcaa	300

<210> 1982

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1982

gggggtgggg	gtgggaccct	gggatggggg	gagaagcagc	tgtttctgga	gagagaaggg	60
gtcatggtgg	ccccagactg	tagagatttt	tatgtgtttg	gatacatctg	ctgtgtggaa	120
aaaâaaaâac	tacaaaaaac	ctaattttgt	acatactgta	tttttactat	tgaactgtat	180
tctagtggct	gttcatgctc	caagacttta	gttaccgaga	catgaatact	atccatgtaa	240
taagcacttg	cctggaataa	aatataaaac	tgaaataaac	ctgcactgaa	acctgaaaaa	300

<210> 1983

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1983

caatgaacta	ctctgcagcc	tcatttttta	aaaaatgaga	taggtaagtg	tggatataaa	60
taactgtcca	acatatatag	ctgagtaaca	aaaatagcaa	actagaaaac	aatgtattat	120
tccatttgtg	ctgaaatatg	tatgttggtg	tgtgtaaata	tgtatgggtg	tatagacagt	180
tcttttctaa	aattttttca	tttttaattt	ttgtgggtac	atactaggta	tatatatttg	240
tggggtagct	gaggtatttt	gatacaggca	tgcaatgtga	aataatcaca	tcagcataaa	300

<210> 1984

<211> 296

<212> DNA

<213> Homo sapiens

<400> 1984

gcctcatctc	ccactgagca	ggtgccatcc	caggagatgc	cactggtggc	gagaccttcc	60
cctcctgtgc	agtctgtgtc	ccctgctgtg	cccacacctc	cctcgatgtc	tgctgccctg	120
cctttccctg	caggtgggtat	gggaggtggc	atggttctaac	tcctagacta	gtgctttacc	180
tttattaatg	aactgtgaca	ggaagcccaa	ggcagtgttc	ctcaccaata	acttcataga	240
agtcagttgg	agaaaatgaa	gaaaaaggct	ggctgaaaat	cactataacc	atcaat	296

<210> 1985

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1985

cacaggcttt	ggttcagaat	ataggtcagc	caaccacagg	gtctcctcag	cctgtaggtc	60
agcaggctaa	caatagccca	ccagtggctc	aggcatcagt	agggcaacag	acacagccat	120
tgctccacc	tccaccacag	cctgcccagc	tttcagtcca	gcaacaggca	gtcagccaa	180
cccgtgggt	agcacctcgg	aaccgtggca	gtgggttcgg	tcataatggg	gtggatggta	240
atggag						246

<210> 1986

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1986

ccgtcttcgc	caaggccccg	cccgagccta	gttggtctcc	ccctgaatgt	gtagaacctt	60
cctttgaaat	ttcttaatcg	gtgcattgag	gtttccacat	ctttttccaa	gcagtgcgcc	120
acttcatgga	tttatagcta	tagtctatgc	agtcgttacc	tctttttttt	ttttt	175

<210> 1987

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1987

agccgatgtc	cagaacagag	tggttagagaa	gacgaagcag	ttcatcgaca	gcaaccncaa	60
ccagcctctt	gtcctcctgg	agatggagag	cggcgcctca	gccaaggccc	tgaatgaagc	120
cttgaagctc	ttcaagatgc	actccctca	gacttctgcc	agcctctaga	actatagtga	180
gtcgtattac	gtagatccag	acatgata				208

<210> 1988

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1988

cccgacggtg	tgtgggcaca	cgggacctgt	cctggacatc	gactgggtgc	ctcacaacga	60
cgaagtcata	gccagcggct	cggaggactg	cacggtcatg	gtgtggcaga	tcccagagaa	120
cgggctgacc	tccccgctga	cagagccggt	ggtgggtactg	gaggggcaca	ccaagcgagt	180
gggcatcatc	gcctggcacc	ccacggcccc	aaacgtgctg	ctcagtgcag	gctgcgacaa	240
cgtggtactc	atctggaatg	tgggcacagc	ggaggagctg	taccgcctgg	acagcctgca	300

<210> 1989

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1989

aatcagtcnt	ttntancagt	aacanaggac	angtcnctcg	ctnngctgta	gtngtnnnan	60
tgtnggtaat	actcnttgnt	catcatgaaa	tgcagtgtaa	ngggtgtgtt	cgcctattga	120
nnnttnaaac	nncangtngt	ttangtnaaa	gnntancaga	tcttaaagat	aatcactgtg	180
agnnnnttag	agtaaaaatt	cgaaaactga	aaaataaggc	tagtgtacta	caaaagagac	240
tatctgaaaa	agaagaaata	aaatcgcagt	taaagcatgc	aacacttgaa	ttggaaaaag	300

<210> 1990

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1990

gtgagccgag	ccgagatcgc	ggcacggcac	tccagcctgg	gtgacagagt	gagactccgt	60
ctcaataaat	aaataaataa	ataaataaat	aaaataaagc	aaggtaatga	aggtgaatgt	120
gcttagtatg	tggccagata	cagagtaggt	gctctgtaat	attagttaca	gtgattgcct	180
gctaggagtg	taggctgggtg	ctaaaacatg	acccaggtct	agaaagacac	acaatccacc	240
cctaactcct	ttcctcgtct	gccactcctt	atccccagga	ttacttgttc	ttttatgact	300

<210> 1991

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1991

gtaagcaatg	tgggaaagcc	ttcagatctg	cctcaatcct	tcaaatgcat	gctgggactc	60
accctgaaga	gaagccctac	gagtgtaacg	aatgtgggaa	agccttcaga	tctgccccac	120
accttcgaat	ccatggtaga	actcacactg	gagagaaacc	ctatgagtgt	aaggaatgtg	180
ggaaagcctt	catatctgcc	aagaaccttc	gaattcatga	aaggacacaa	acacacgtaa	240
gaatgcactc	tgtataaaga	ccttabaat	gaaagatatg	tgggaaaggc	ttttattctg	300

<210> 1992

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1992

gtgacacaga	gacagagaaa	cctccccac	ccagggaagc	agctctgcag	agttggcagg	60
atcaggggct	agtctgaacc	cctagcacag	aacactcacc	tcacggaaga	gtggccagaa	120
tgttttccac	ataggtcctg	gtcctcactt	ctcctcactg	agcagggtcg	cccaacgtgg	180
gacttctgca	caaccatcct	gccctgcct	gaccacttca	atcagaggca	gcctggcagt	240
taaaggaaca	cccacacaca	gaggtgaaaa	agaaccaatt	caagaactcc	agcaacacaa	300

<210> 1993

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1993

gccaccacca	ccaccagccc	cacaaaatgg	acctcaaggc	ctacgaacag	gtgatgcact	60
accccggtca	cggttccccc	atgcctggca	gcttggtccat	gggcccggtc	acgaacaaaa	120

cgggcctgga	cgcctcgccc	ctggccgcag	atacctccta	ctaccagggg	gtgtactccc	180
ggcccattat	gaactcctct	taagaagacg	acggcttcag	gcccggctaa	ctctggcacc	240
ccggatcgag	gacaagttag	agagcaagtg	ggggtcgaga	ctttggggag	acgggtgtgc	300

<210> 1994

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1994

gttcctgcaa	gggtggtgt	ggaaacaagc	agtgtgggtg	caggaagcaa	aagtcagact	60
gtggtgtgga	ctgttgctgt	gacccacaaa	agtgtcgga	ccgccagcaa	ggcaaggata	120
gcttgggcac	tggtgaacgg	acccaggatt	ccgaaggctc	cttcaaactg	gaggatccta	180
ccgaggtgac	cccaggattg	agcttcttta	atcccgctctg	tgccaccccc	aatagcaaga	240
tcctgaaaga	gatgtgcat	gtggagcagg	tgctgtcaaa	gaagactccc	ccagctccct	300

<210> 1995

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1995

gggcacccag	cgaagccaat	cagagatgga	agtagtgctc	tgaggggtggg	cgccgcttgg	60
taccacccctc	ctcgccctcg	gtgtcctgga	gaaaggcgga	aggaatgcgg	acctttttga	120
agtgaacggac	gcgccagcct	atcagggggcg	agctcaagag	ggcggggcg	aagactgcag	180
gaatgaaatg	gattgacaga	caaataaact	aatgagaggc	ttgattgaga	acctaccgga	240
ctatcagagg	acctgtccgg	gaagagaaat	ggggctacgt	ccagacagaa	tctcgctctg	300

<210> 1996

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1996

ctatagctgt	gtcgggtctag	cattttcttc	gaagcatatg	gaacatgttc	tgctacacga	60
gataatgaac	atttccttct	gcctcaaggt	acaatcagtt	tatgatcctg	ggagagcaag	120
aagcaaggag	ccagcaagtc	tggacacatt	ccagaggcca	cgaggggttt	tatgtcctga	180
gtcctggatt	ccatccaagc	catgaggggt	tttatgccct	aggcttaggt	tgtagtgcgg	240
cggggcagcc	ttccaccctt	aagcacagaa	cctgggtgttc	cataggccac	aagaagtttt	300

<210> 1997

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1997

aaggagagag	cagtaggact	aggagttaaa	ttgtcatgcc	gaggtctctg	agcatgggtg	60
ggcctgtcag	aattgtcatc	gctcactctg	ttgacttcca	gcagctgaca	ggcaaggccc	120
taggaagctc	ttcagcctcc	tttccttgct	agaggtgctg	ttttccctgg	aaatgttcaa	180
gccctgcaaa	tcgtttctat	agtaacaggt	ctctgtcttt	tttcttatga	tgcatatttt	240
tgaaaaggtt	tcttatctaa	atgttcttgg	gatctatggt	cttcctacct	gtagctcctt	300

<210> 1998

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1998

aagtttttggc	agtgcattta	aagacttaca	gaaaggagtc	tcttcatgta	ccaatgcttt	60
gtaccactta	gccatcaa	tgacatcatc	tgttttgcag	atggcatttg	atgagctgag	120
aaggcagcgt	gcattttcac	taaaagaacg	tgccattagt	ggcctggcta	actttttggt	180
gagtgaagct	ttatcaa	ccttaaaaga	tttacagtat	gtaaagaagc	agatattcac	240
aaacacagtt	gctaggtttg	ctgcagatct	tgctgaagag	cttggttttg	aaggcatcat	300

<210> 1999

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (290)

<223> n = A,T,C or G

<400> 1999

gggggacatc	atagacaaag	aggcccgcgc	tggccagggg	agaaggagct	gccgtgcgctc	60
ttccctgtgc	cccgctccc	tgettgggtc	tccctcccct	tccctggccg	gctgccatgg	120
ccaggagcta	agtgcccttt	tgtgtgcaac	cacttaccct	ttctctgaaa	aacctgttct	180
caggaaagat	ctgataaact	catttactct	caaaaaaaaa	aaaaaaaaaac	ctggnccntt	240
naaanntntg	ggngnccntt	tnnccgaaann	ccaanctnnn	taaaaccctt		290

<210> 2000

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2000

gcagccaatt	gggaagagt	acttctgtga	gatggctggc	tggtgatagg	actaagttct	60
cattgttcaa	atagagctgt	tcaacatcac	tgaaaccttt	aagaaaagcc	ctgagatcag	120
ttattcttac	aagtttaagt	agtagacaga	tactatccag	ctctaagtct	caactgctct	180
tttatactgt	actttttttt	tgagacggag	ttttgctctt	gtagcccagg	ctggagtgca	240
atggcaggat	ctcagatcac	tgcaacctet	gcctcotggg	ttcaagcgat	tttctgtctt	300

<210> 2001

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2001

gcgccatgtt	aggacgaagg	ggaaggagga	gaagcgctta	aagcggcggg	agcggtgccg	60
gagaggggtt	ggaccacagg	ctgaggcagg	ccccccctc	cctccgcct	cagtggatca	120
tgcccagggc	ggcagcgccg	gcggttgccg	gggggaagt	actgggcggg	gccggcgccg	180
gagacgatgc	cgtttccagt	tacaacacag	ggatcacaac	aaacacaacc	gccacagaag	240
cactatggca	ttacttctcc	tatcagctta	gcagcccca	aggagactga	ctgcgtactt	300

<210> 2002

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2002

ccccgacccc	gggccacctg	ggcccccg	ttccgcggc	actctcgcca	ccaccgcgtg	60
ggtctgacaa	gatgtaccag	gtcccactac	cactggatcg	ggatgggacc	ctggtacggc	120

tccgcttcac	catggtggcc	ctggtcacgg	tctgctgtcc	acttgctgcc	ttcctcttct	180
gcacctctctg	gtccctgtct	ttccacttca	aggagacaac	ggccacacac	tgtgggggtgc	240
ccaattacct	gccctcgggtg	agctcagcca	tcggcgggga	ggtgccccag	cgctacgtgt	300

<210> 2003
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2003						
caccagtggc	tttagggcct	gtcgcttacg	cgatgcgggt	agtattgttc	ccgttgcgca	60
gttgaggaca	cctaggttca	cggtctgagt	aacacctcat	tacaccgaag	cctgggcctg	120
tattcccaga	gctttgggag	gctgaggcga	gaggatcact	tgagcacagg	agttcgagac	180
cagcctggac	aacatagtga	gacccccatc	tctaaataaa	aatagaccaa	cgctaaagcc	240
tgtgctccag	agcctccagg	caattggatc	agaagtcgca	gctctggtgg	gaggaaggcg	300

<210> 2004
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2004						
ttttttttta	gaacgtggtc	ttgtctctat	cctctggaca	ctgcagcgta	cgagtaacaa	60
caggctcttg	aggctaaata	acttataaac	aaaatttcct	tcctgaggag	ctaggtattc	120
cgatgtatct	tcaacatagt	cctgaagtgc	atatggcaat	cgctcctttg	gcttctgaaa	180
tgagaaggc	catccagatt	tcggccaact	agaggagtct	gaaggaccag	acaattgtct	240
agaaacagaa	ggctgtttag	aattttctaa	attcattaag	ggcaattctg	gtacttttct	300

<210> 2005
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 2005						
gcagaagctg	cccgtgggca	ccacggccac	actgtacttc	cgggacctgg	gggcccagat	60
cagctgggtg	acggtcttcc	taacagagta	cgcgggggccc	cttttcatct	acctgctctt	120
ctacttccga	gtgcccttca	tctatggcca	caaatatgac	tttacgtcca	gtcggcatat	180
agtgggtgcac	ctcgctgna	tctgncactc	attccactac	atnaagcacc	cggaataaag	240
cccgnctnnc	ccaatcggaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	300

<210> 2006
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 2006						
gcagaagctg	cccgtgggca	ccacggccac	actgtacttc	cgggacctgg	gggcccagat	60
cagctgggtg	acggtcttcc	taacagagta	cgcgggggccc	cttttcatct	acctgctctt	120
ctacttccga	gtgcccttca	tctatggcca	caaatatgac	tttacgtcca	gtcggcatat	180
agtgggtgcac	ctcgctgca	tctgtcactc	attccactac	atcaagcacc	cggaataaag	240
cccgcctgcc	ccagtcggaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	299

<210> 2007
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2007
 gttcgcgct ttgaaagatg atgacagtgg ggaccatgat cagaatgaag aaaacagcac 60
 acagaaagat ggtgagaagg aaaaaacgga acgagacaag aatcagagca gtagcaagag 120
 aaaggtggag cagttctgga ggttttatag ccacatggta cgtcctgggg acctgacagg 180
 ccacagtgc ttccatctct tcaaagaagg aattaaacct atgtgggagg atgatgcaa 240
 taaaaatggt ggcaagtgga ttattcggct gcggaagggc ttggcctccc gttgctggga 300

<210> 2008
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2008
 cccagaggaa agccaggccc gtctggggcg gatcgtggac cgcattggacc gcgcggggga 60
 cggcgacggc tgggtgtcgc tggccgagct tcgcgcgtgg atcgcgcaca cgcagcagcg 120
 gcacatacgg gactcgttga gcgcggcctg ggacacgtac gacacggacc gcgacggggc 180
 tgtgggttgg gaggagctgc gcaacgccac ctatggccac tacgcgcccg gtgaagaatt 240
 tcatgacgtg gaggatgcag agacctacaa aaagatgctg gctcgggacg agcggcgttt 300

<210> 2009
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2009
 ctgagaaaat catagagatc ctggagagcg ggcatttgcg gaagctggac catatcagtg 60
 agagcgtgcc tgtcttggag ctcttctcca acatctgggg agctgggacc aagactgccc 120
 agatgtggta ccaacagggc ttccgaagtc tggaagacat ccgcagccag gcctccctga 180
 caaccagca ggccatcgcc ctgaagcatt acagtgactt cctggaacgt atgccagggg 240
 aggaggtcac agagattgag cagacagtcc agaaagcagc ccaggccttt aactccgggc 300

<210> 2010
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2010
 gctacaacca gcgcatgata gaggagctga aggtgcggca gcaacaggaa aaggcgcggc 60
 tgccaagat ccagaggagt gagggcaaga cgcgcatggc catgtacaag aagagcctcc 120
 acatcaacgg cgggggcagc gcagctgagc agcgtgagaa gatcaagcag ttctcccagc 180
 aggaggagaa gaggcagaag tcggagcggc tgcagcaaca gcagaaacac gagaaccaga 240
 tgcgatgcgt gctggccccc gcacaggctc ctgtgtgcag ggactgattc ctcagcacac 300

<210> 2011
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2011
 ggccgctgct tctttccoga gcttggaaact tcgttatccg cgatgcgttt cctggcagct 60
 acattcctgc tcctggcgct cagcaccgct gcccatggca tcctgatggg cgtcccagtt 120

ccctttccca	ttcctgagcc	tgatggttgt	aagagtggaa	ttaactgccc	tatccaaaaa	180
gacaagacct	atagctacct	gaataaacta	ccagtgaaaa	gcgaatatcc	ctctataaaa	240
ctggtggtgg	agtggcaact	tcaggatgac	aaaaaccaa	gtctcttctg	ctgggaaatc	300

<210> 2012

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2012

gcaactcacc	aggtgtgct	tgggggaggt	gttgacagaa	attgacgtcc	aggagtcctt	60
ctgtatggaa	gaaaaacaga	acaaattcca	ggtgtaccag	ctgcggtttc	agttcctgcc	120
acatgcatat	taccagcagg	agaagtgcct	gagacccgag	gacatcctgc	gcttcattgga	180
aacaagattc	tttaaaactt	tgatggaatc	catcaaaaag	aagaataata	aagcatcagc	240
tttcaggaac	gtaaactc	gaagagctac	acagcgggat	ctggacaacg	ctggggagtt	300

<210> 2013

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2013

gccccccact	cgtatcccc	ggccctgggc	agccctggag	ctctagccgg	ggccggagtg	60
ggagcggcgg	ggcccttgga	gagacggggg	gcgcaaccgg	gacgacactc	tgtgaccggc	120
tacggggact	gcgccgtggg	cgcccggtac	caggacgagc	taacagcttt	gcttcgcctg	180
acggtgggca	ccggtgggcg	agaagccgga	gcccgcggag	aaccctcggg	gattgagccg	240
tcgggtctgc	aggagccacc	aggtcctttc	gttcgcggag	ccgcccgggc	ccggatgcgg	300

<210> 2014

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2014

gcaacagcga	aggagatcag	ggatgaatat	gtggagacgc	tgagcaagat	ttacctgtct	60
tactaccgct	cttacctggg	gcggctcatg	aaggtgcagt	atgaggaagt	cgctgagaaa	120
gatgatctaa	tgggtgtgga	agatacagca	aagaaaggat	tcttctcaaa	gccatcgctc	180
cgcagcagga	acaccatttt	caccctagga	acccgcggct	ctgtcatctc	ccccactgaa	240
cttgaggccc	ccatcctggt	gcctcacaca	gcgcagcgcg	gagagcagag	gtatccattt	300

<210> 2015

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2015

gccgccactc	gtatcccccg	gccctgggca	gccctggagc	tctagccggg	gccggagtg	60
gagcggcggg	gcccttgagg	agacgggggg	cgcaaccggg	acgacactct	gtgaccggct	120
acggggactg	cgccgtgggc	gcccggtacc	aggacgagct	aacagctttg	cttcgcctga	180
cggtgggcac	cggtgggcga	gaagccggag	cccgcggaga	accctcgggg	attgagccgt	240
cgggtctgca	ggagccacca	ggtcctttcg	ttccggaggc	cgcccgggcc	cggatgcggg	300

<210> 2016

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2016

gctcttctct	gtgcccttta	tccgcacttc	ccagctcaca	gcactgacaa	ccggtatcat	60
ctccaggctc	tccggcacct	ctatgtgctg	gccgcggagc	ccaggcttct	agtgcctgtg	120
gatgtggaca	caaacacgcc	ctgctatgcc	ctcttagaag	ttacctacaa	gggcactcag	180
tggtatgaac	aaacctataga	agaattgatg	gtcctctacc	ttcttccaga	actccatctt	240
ttaaagcacg	attaaagtaa	aaggcccaag	atactgggaa	ctgctcatag	atttaagcaa	300

<210> 2017

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2017

atgacctcca	atgtggccag	cgacgagatc	gcacagcacg	cgctgcagct	gaggcaggaa	60
gctttggaga	tgagccgtaa	ccgtattgcc	gaaaacctgg	gggatgtcca	gataagtgc	120
aagatcacca	tctcaaagaa	cttcaaggag	aatgtgatcc	gccctatcct	gaaagctcac	180
ttccggaggg	atgagtttct	gggacggatc	aatgagatcg	tctacttctc	ccccttctgc	240
cactcggagc	tcatccaact	cgtcaacaag	gaactaaact	tctggggcaa	gagagccaag	300

<210> 2018

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2018

aagatgcagg	tgaacaggta	gtatcttccc	cagcagatgt	tgctgaaaaa	gctgacagaa	60
ttattacaat	gctgcccacc	agtatcaatg	caatagaagc	ttattccgga	gcaaattggga	120
ttctaaaaaa	agtgaagaag	ggctcattat	taatagattc	cagcactatt	gatcctgcag	180
tttcaaaaga	attggccaaa	gaagttgaga	aaatgggagc	agttttcatg	gatgcccctg	240
ttcttggttg	tgtaggagct	gcacgatctg	ggaacctcac	gtttatggtg	ggaggagtgt	300

<210> 2019

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2019

gttgatttgg	aaagcagtag	tgtggacgaa	ttgcgagaga	agcttagtga	aatcagtggg	60
attccttttg	atgatattga	atttgctaag	ggtagaggaa	catttccctg	tgatatttct	120
gtccttgata	ttcatcaaga	tttagactgg	aatcctaaag	tttctaccct	gaatgtctgg	180
cctctttata	tctgtgatga	tggtgcggtc	atattttata	gggataaaac	agaagaatta	240
atggaattga	cagatgagca	aagaaatgaa	ctgatgaaaa	aagaaagcag	tgcactccag	300

<210> 2020

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2020

attgaactct	gaacttttga	aacctgaatc	cttcaggaaa	gagtttggtg	agcaggaaagt	60
agacctagtt	aattgtagga	ccaatgaaat	catcacagga	gccacagtag	gagacttctg	120
ggatggattt	gaagatgttc	caaatcgttt	gaaaaatgaa	aaagaaccaa	tggtgttgaa	180
acttaaggac	tggccaccag	gagaagattt	tagagatatg	atgccttcca	ggtttgatga	240
tctgatggcc	aacattccac	tgcccagagta	cacaaggcga	gatggcaaac	tgaatttggc	300

<210> 2021

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2021
 aactcctact gttgaataca tctgcaccca acagaatatt ttgttcatgt tattgaaagg 60
 gtatgaatct ccagaaatag ctctaaattg tggaataatg ttaagagaat gcatcagaca 120
 tgaaccactt gcaaaaatca ttttgtgggc ggaacagttt tatgatttct tcagatatgt 180
 cgaaatgtca acatttgaca tagcttcaga tgcatttgcc acattcaagg atttacttac 240
 aagacataaa ttgctcaggg cagaattttt ggaacagcat tatgatagat ttttcagtga 300

<210> 2022
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2022
 tccaaaaaca atgggcccac ggcaaaccag agccaaagag ttttaacttg aacccttca 60
 gtcaggatga acataaagct ctcaagtctc tgaaaggatg agacacaaga ataagatggg 120
 gtaccagtga ccagctcctc tacctggggc catggaggac cgaagaccct ccaaccttga 180
 tgctgtgaag gacagggcgt cctgtaaggg atcaggtgta aagaatctgg ccatagctcc 240
 tgtacaaagc ctctttgtct gaagtacttg ggtgctcttt gacggcagga gggaacacaa 300

<210> 2023
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (296)
 <223> n = A,T,C or G

<400> 2023
 ctgaggcagg agaactactt gagccagga ggtggaggtt tcagcgagct gagatcacac 60
 cactgcactc cagccttggg gacagagtga gactctgtct caaaaaaaaa aangggantc 120
 atttgggnnt tnggcaaaaa tnancntagg gantntnncn ngaccnaga nggaancnt 180
 gagnntcag nncanantg gggncctttt nnggtttnt taaangnncc gnnccctnan 240
 gnggggncc ncnntngcn ttggggggn tnagggnang nctgctttct ttttta 296

<210> 2024
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (253)
 <223> n = A,T,C or G

<400> 2024
 cacttgaacc cgggaagtgg aggttgagc gagccaagag tacaccactg cactccagcc 60
 tgggcaacag agcgagactc cgtcttaaaa aaaaaaaaa naanccctt ttnannngcn 120
 taatanccn anttngnggc agnnttgnan ngggaaaggc cgtttaaaanc nntaanggtc 180
 gaaaaacnt naaanattnt ccancnacc ccttngatnt tncanaccaa aaaannaatc 240
 ccnaaacggg aaa 253

<210> 2025
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(294)
 <223> n = A,T,C or G

<400> 2025
 gctacttggg aggctgagac aggagaatcg cttgaaccca ggaggccgag gttgcagtga 60
 tctgagatcg tgcactccag cctggggggac agagtgcacac tccgtctcaa aaaaaaaaaa 120
 naaaagnncc nntttngggg tnttantttt tccnaanaa ctgaacntat ttgnacnntt 180
 nnatttttan aatgnttttt tngtaannta ancncacaaa taattaannn cntttaaang 240
 cctnnannaa tnnctgatt nnntggcnnn ancnntttnn taagggggga tttt 294

<210> 2026
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 2026
 gctactcgaa aggctaagac tggaggatcg cttgagccaa tgagttggag gctgcagtga 60
 gctataatca cgccactgca ctccagcctg ggctgcaggg tgaggtcctg tctctggaaa 120
 aaaaaaaaaa ggantaggta aanggnncan aggnnaantt ttnagnnct ngagnctttt 180
 gnagccentg nttaccacaa ncnttttngg cctantngna ccntcnacaa nagnntttcn 240
 tgnantnacc aaatttnagg tnttcanaan tngactcctt aagngnncaa ntnggaaata 300

<210> 2027
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 2027
 ctgagctctt ccggaggctg aggcaggaga atcgcttgaa ccaggaggc agaggttgca 60
 gtgagccgag gttgcgccac tgcactccag cctgggtgac cgagtaagac tgtctcaaaa 120
 aaaaaaaaaa aaaaaaaaaa tngcctttng gtncntnat ttcnnaatt naannaanng 180
 nccnnttttg gnaagggggg ggnaaanng naanccctt tnttngtng ttccttttna 240
 aaagggnenn tcncttttn aaangnctt naagncctt ttnanaaatg gtt 293

<210> 2028
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2028

atctgttact	acttcagaat	tgctggttga	tgtagggccc	ctcctatctg	tgctctctca	60
gctacagttt	cccgtttgag	catattcatt	cttttttatt	tttgctctga	acaaaaatat	120
tagagttaca	atattactat	attccaggcc	ttgctagaaa	ctgggggataa	atctatgaat	180
atggtcgctt	ccctggaaga	cctcacagtc	caggggaagcc	aaacctgca	gacatgcagt	240
agacttagtg	gtctctctta	aggttgcttg	ttgagttttg	acattggaga	ttatgtacag	300

<210> 2029

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2029

gtgagaacgg	agatacggga	aaaccttgg	ctcatggaag	catagccaac	ataaaccttt	60
taagcaaac	agcgagagt	tccgtcatag	tgcaccatca	tcagaaacca	gggctcctgg	120
tggtccagaa	ggtgccagag	tttatgttac	ttcagccact	tggtggggaa	agcttttgaa	180
atagatcata	catgcatttg	ttttaaatca	gagtgcgttg	gccatgatgg	ggttaattta	240
tactgagcac	atggcaccca	tatctggggg	ttccctcttg	gtcagggccc	ccattggcca	300

<210> 2030

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(297)

<223> n = A,T,C or G

<400> 2030

gctcattcca	gctggtctat	cgtgggcctc	agaaggtaga	gagggaccgt	attctggggc	60
ccacgataga	ccagctgtaa	ctcattccag	cctgtacctt	ggatgagggg	tagcctccca	120
ctgcatccca	tcctgaatat	cctttgcaac	tccccaagag	tgcttattta	agtgttaata	180
cttttaagag	aactgcgacg	attaattgtg	gatctccccc	tgccatttgc	ctgattgagg	240
ggcaccaccta	ctccanccn	taaggaaang	ggggcatttc	annngcccca	agaggga	297

<210> 2031

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2031

gcgggaatca	atctgcactg	acaccgcggc	aggaactgaa	gctgcccagg	caagtgagga	60
accaggagcc	gtcactgagt	gtggctgggc	tacatcatag	ctcatcacgg	agctacgact	120
ttgggtactg	cggacagacc	tggtataggc	cagcattcgt	tctgaagatc	acagttcaca	180
gaagcttttg	cttcgtaaag	ataatccaaa	ggacctgaga	cccgttttgc	cttttccctt	240
cattcccttg	agagtcagcc	ataaacggaa	tacctgctag	gttccaggaa	tgagctcacc	300

<210> 2032

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2032

gccttgaggg	aattagacag	atcttctgtt	ttgaatagcc	aacacatgtt	tgaagtacta	60
gctgccatga	atcaccgatc	tcttatactc	ctggatgaat	gcagtaaggt	ggtcctagat	120

aatatccatg	ggtgtccttt	aagaataatg	atcaacatat	tgcagtcctg	caaagacctc	180
cagtaccata	atttgatct	cttcaagga	cttgagatt	atgtggctgc	aactttcgac	240
atctggaagt	tcagaaaagt	tctttttatc	ctcattttat	ttgaaaacct	tggctttcga	300

<210> 2033

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2033

ggcaagtgt	ccctaaaatg	cacatcgaat	tctgttttct	gggccttttc	tccaatggtg	60
ctaggagata	ccgttgattt	ctgcagctct	tctcagtgg	gggaagaagt	ctttgggatt	120
gttgagcaag	gggcagctgg	accatccact	aaatTTTTTT	gttcaagaca	cattagagac	180
cctcctgtat	atctagtaag	tcataataaa	ggtgcttggg	aaagccttaa	atttgaagac	240
acatggaggc	ggtagaaaat	taaacttgta	agaggagaaa	aacatgccat	taggtaacgc	300

<210> 2034

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 2034

gtgtgcttgg	tcttccaccc	cagccccaga	cactgcttca	aatagcacca	accagatggg	60
agtccacatc	tgtggtggca	aaatgctgac	attttcccaa	gaggtacaca	aggtgggaga	120
ggcctgctgt	agcagaggtg	tgtgttagag	aaagcagggg	cctgatttag	tagcagagaa	180
ctgggtgaga	aaaatggcca	gagaaagtga	cctgccagct	accagtgttt	ccgaaaatga	240
gggtgggatg	ggcccatctg	cgttattccc	nacagtcatc	cccatagccc	tctgaggagg	300

<210> 2035

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2035

aattttgcc	tcttttatca	ggctttctgt	gtcgaggacg	ctaccacat	agagtagaag	60
ctaaaggga	gggatgtgaa	gtgacctcac	cctcagcttc	tagctcatgg	tgtcaaggct	120
tgtgtgatct	tagacacgtc	tgcctcttct	gagcctgttt	cttcattctgt	aaaacaggga	180
tgggaggttg	tggtaaagat	tccacagcaa	cactgcacac	gcataagta	cctgggccag	240
ggatgactcg	gcagacctca	gtttccctct	gcctcctgcc	tagagctgtt	agcaagcatc	300

<210> 2036

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2036

aatgtctctt	tcaaagacac	tcagggtgta	atcagcctta	ggatgctaag	caaatcattc	60
cgtaggatag	gacacagtca	catagaagct	acagctggga	aaggcagaat	tcatagtaga	120
gagtgtgtgt	ccacctagag	gccagcccaa	gaggccagag	gtggccatcc	ccaaaagaga	180
gatggagaga	gtatttgctt	tttttcttca	gatgttttcc	caaatcccca	ggaagcccag	240
tatctctgcc	ttttcagtga	agcctctgtc	ttctagagta	tgcctttccc	ttcatttgaa	300

<210> 2037
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2037
 tcttcattca agttgtagat gaaaaggcag aatggagtgg attcagagcc gtgtgacgtg 60
 ccgtcagagg ctctctgttc ttctcctca cttcagcgca aagtgccaga cccaaaaaac 120
 aggatttcta cctgtctgtg tgtgtcgtcc ggggctgttt cttcatcttc ccatgtcttg 180
 attttcacca aaaaaggagg ctgttaatac ttgccttctt cactttttaca tagagatatc 240
 ataaagatta tgaactaaag cagcaaagta cattgccttc caaggagaaa gtgttccttg 300

<210> 2038
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2038
 gtaaaacacc ccctacagtt ccaattctgg gcctgtcttc tatctatctt tgcccttctg 60
 gtccgttccc tgttctgagc cccagggaac ttagggctga aagtcacccc cgaagcctca 120
 gaccagatcg ggaggccaca cgcagctcat ggggacagag ggcccagggt gacggtccac 180
 tcatgagaag tgctatgtga ctccaggag tctgtccctc tccgggctcc aatccccagc 240
 ccaagctcag atgaccagc ctgtgtccct ttagcgcccg aggagccacc acctgttcgg 300

<210> 2039
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (196)
 <223> n = A,T,C or G

<400> 2039
 gccaccttct aagcaagtga tggcctggct gggtcagtac cctttgcacc ctgctttaca 60
 anngaacttn gtncactgtt tnnnaggtnn atanctgagt nnacacactt ntgcattnga 120
 taaatggtac tgnngatttc tngnaangaa naattntgt tgnnaggnaa tggcatcana 180
 ancttgnana anaggt 196

<210> 2040
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (286)
 <223> n = A,T,C or G

<400> 2040
 ggaaggcact ggtccgagaa caccggattc actgcgtgct gtcctcactt gttctacaat 60
 gagtgccaaa tctgctatca gcatggaaat tttngcacct ctngatgann ggatgctngn 120
 anccnnccna nagacgnann cnatctcaan agctccctng aatngntttg cctnnncnng 180
 tncannantn ccnctaacag aggacctggc ncacettanc ngnnacattc aaatgactnn 240
 angacatcan catcacannc tncagttggc acttatctgn gtaact 286

<210> 2041
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2041
 ctcagccacc gtctccttac ctgactcctc tgggaaagag tttccctagg ttaagccata 60
 cagggatagg gtaggagatg ccatttgat ctaggagcag agggcagagc ctcagcagga 120
 agagtgtctc tttgagaagg agacacagtg gagcaggtgt gtaggttcac agggccagct 180
 atgggtagag tggggtgtac atttttagaa gccacaattc ccaaaaatct cctgactata 240
 acatcagtg acagagccag tcaaattggag gaggagtggg tccaggcaat tcaggaagaa 300

<210> 2042
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2042
 gcatccgtgg cctcggcctg gagagaaacc aaccagcttt gctgtctggc ttgcggttcc 60
 gctcctctgt gaggggggcg agattgcccg ttctcctcga agaattgccg tacttgaggc 120
 ccaaaatatt agaagtctta agaactcagg acaagcagca gaaatacatg caacatgggtg 180
 actggaaccc taaggactct gcaatatgaa taattcccta gagaacacca tctcctttga 240
 agagtacatc cgagtaaagg cacgggtctgt cccgcaacac aggatgaagg aatttctgga 300

<210> 2043
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2043
 gcttgttctg gggaaagctc atataagtat ggattttatt cctcaactag taggatacca 60
 atactggtat tgaaacttgg ggaaaataac tggagatacc agtgcagcta tttaaagctg 120
 tagcaagggc tgcaatcttg cggagatttt aaagagaagt tttaaagttt ctaatactga 180
 tgctctttt tggtaaatac aagttttata aatcctgccc tgggatcctg attccccatt 240
 aatcaagatt tctcagactt cacccttctat aattagaaaa cacagttata agaacagtc 300

<210> 2044
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2044
 gtgcatcaga gccaggaggt tccagacttg tcaactgtcac gtcaatcttg taactttcca 60
 acaggctctc cttcccagaa accaaatcag attttctact tgaagcagta ccaagcctct 120
 ggatagagct tcgagggaag gattttgggg tcatgggttt tttccaggga ggctcgaaaa 180
 aagcttccct tgcagtttga gtttgaaggc tgtagctcag tggcagatca ggacacctag 240
 gaacatttcc aaggaagtag ccatttctct cccagccttg aacctgatc tctgggttct 300

<210> 2045
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2045
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 atgtgctgct cctgctgtgg aaggatccc tgggttttag gcaagcatat gtgttcttta 120

ctatggctcc	agatcccagc	atatttgaag	tcctgagtc	acctgctctc	ctagacaagc	180
agacatttaag	tatgtcgctt	gggctcttaa	gtgcgttctc	ctgactttta	cccatctttg	240
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<210> 2046

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2046

ctgatagcga	cgcccgttgt	attcagecgt	ctcccccggc	tgcaccttgg	aattgccgaa	60
gaagcttttt	ttaaactcca	aatgggcccgg	gttggcgctg	cagctctggg	attcattcat	120
tcatatagct	cgtattttatt	gagcacctac	catatgcctg	gaacggtgct	agggaaacag	180
cagtgttaaa	caggtgaagt	cctgcccgc	tgaagtttta	cattgtagtt	caggacacaa	240
taagcaggtt	gcagagcctg	aggcctgtga	tcagatgtac	gagagcttaa	cgcgactcca	300

<210> 2047

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2047

gctgagcttg	cagtgcgcag	agatgcgacc	actgcactcc	agcctgggtg	acagagcgag	60
actccatctc	gaaacaaaca	caaaaaaaaaag	tatcaaagac	agaaagtggg	agttacaagg	120
ctttttaagg	ccttatcttg	gaagtcacag	caacatttat	tttgatttcc	attgggtcaa	180
ctcaagtcct	aacaggccta	aggggggtcaa	gtaaaagggtg	ggactcacag	gaagttccat	240
atacattaca	gcttcacttg	cagtacagag	gggaagggaa	atcctactgg	gacagaacct	300

<210> 2048

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2048

aaacgaccac	ctttacgaga	cttcttctgtc	gatgactttg	aagaattatt	agaaggtgag	60
agaactcttt	accacacggt	tcttccagat	gctcctatgg	tcccgtaaac	aatgatattt	120
ttttctgcaa	ggctatttta	ctttttaaga	gcagtaatcg	tggcatttgc	cgcatgatgg	180
gaaccaggt	agggagcggg	tgatgttccc	aggcagcctt	gggtgcggca	ggtctctaaa	240
cctggttggt	agtcgtcctc	tgtgggagtt	gattttgttc	tgtgaccag	gtcaggtctc	300

<210> 2049

<211> 246

<212> DNA

<213> Homo sapiens

<400> 2049

ggcacatctt	ctactagcta	acttggctct	tttttatgaa	aaaataaaac	ccttgcgtag	60
ttctccctca	gggatgcct	aggattttgg	atgagaacgt	attggctcaa	tgtgagtggg	120
gcagtggcag	gcateccattt	cccttcccc	cattctgtca	caggtgccca	tctgcctggc	180
agttcaatcc	agggtcatg	ttggagactc	cagagcccc	tccttgctgg	tgctgcctg	240
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<210> 2050

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2050

acactgggct	caggggctga	gccattgttg	ggtgctatta	cttgtgttg	gaaccaataa	60
ggaacagaaa	acaaacaaaa	acactaaacc	agagaagcgg	gcttattgaa	tactttgcac	120
ctaagaagaa	ttaagaggaa	aaggaggagg	ttagagttgg	tgcatctgct	cctccggtgt	180
ctgagtgtga	taagaaagat	agatgttaga	ggtagcagaa	ttgtgttgca	agaattaaag	240
ccaccagcag	atgagacttg	gaccctaaac	aattccccag	gagaaacctg	tgaaaaattt	300

<210> 2051

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2051

gaaaaggccc	cagaatgggc	tggcttgaac	tggaaaaaca	cactttctca	tcccttttgg	60
accacgagct	tcttgagagc	aaagcatgtg	tttgatattc	ctttgctcac	cctcaggcct	120
tgtttggcaa	attgcctggg	atacagaaaa	taaggacaag	gtctgggtgt	agtggcttat	180
gcctgtaatc	ccagcacttt	gggtgaccaa	ggcaggagga	tctcttgagg	ccaggagtgt	240
cagaccagcc	tgggtaacat	agtgagacct	tgtctctgca	acaaaattta	aaaattagcc	300

<210> 2052

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2052

ctacgatgac	cccctcttca	ggctgccatt	tggtagaggg	caagggagtg	gctagccatc	60
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gaataagcct	tcccttctgc	aggtatctca	tctccatctg	tgggaaccag	gtatgaggct	180
ctgaacagtt	cctgctctgg	caagacacct	ccacatcttt	ctccctcaaa	cattcatagc	240
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<210> 2053

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2053

gggaaggctc	ggctccagct	tgagcccact	cacaggatgt	cagggggaag	tgtgactaag	60
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catcctgagt	ttccatggtc	taatgcagtg	ggcttgaaaa	aaaaggggtg	atgcaggatg	180
ctggctggga	ctgtggagtg	cgtgggcagt	aagtcttaag	tgacagtggg	tggagattac	240
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<210> 2054

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (293)

<223> n = A,T,C or G

<400> 2054

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aagtcagaat	tacagaagct	tgtccctaag	aatgacagcg	cttcttttgc	aaaagtgcaca	120

cctgagaccc	cttgtgaaaa	tgagtttget	gaaggcagtg	ccttgcttcc	aggcagcgag	180
gctggcggtt	ctgtgcagca	gggggctgca	ngtnttntn	ttggttgctg	natnagttgt	240
tngtntnttc	atnnttttan	ttctanatta	gctttttntc	ttgntntagt	ggt	293

<210> 2055

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2055

caaaggattg	agagagaaaa	cttggcttta	ttgaaaaggc	ttgaggccgt	gaaaccaaca	60
gttggtatga	aacgttcaga	acaactgatg	gactatcatc	gcaatatggg	ctatctcaac	120
tcatcaccat	tgtcaagacg	ggccagatcc	actcttggcc	aatatagccc	attaagagct	180
tccaggacat	ccagtgtctc	gagtggcttc	agttgtagga	gtgagcgatc	agcggttgac	240
ccctccagtg	gccaccctcg	aagaagacct	aaaccccta	atgtccgtac	agcttggtta	300

<210> 2056

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2056

ccttgctcag	gaggaggcgt	ttggcaagga	catttcacat	ggtttggtgg	tgaatagttt	60
cacaccagag	tgggatcctc	tattgcatgt	actcgactag	cttttcattc	ttatcacact	120
tcccttccta	taaagttacg	tatcttttaa	agggaaattt	aatacccacc	ttcgctttct	180
gtgcggcctt	gtgaaaatca	ggcaataaca	aggacagcct	tattgccagt	gtatgaccag	240
agcatctaga	tggcactact	agtggaatgt	catcttgtct	accattcatt	cattcattca	300

<210> 2057

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2057

cctacctcac	caggttgctg	tggggagtga	acaagggtgag	tggccctcac	ctacagactc	60
aacatatggc	ctttggctct	tcccacttcc	aagagtcttg	gaagggatgg	gtcgagcaag	120
cagaggaaa	gaagatgtga	gttcccaaaa	tgtccctcac	ctttttcttc	tgagtgggct	180
ccttctcact	ggcattggag	ggcttgccgc	gcagcatggg	cctccaccct	gggagactcc	240
gtccctgctc	tctaggtgt	caagatgcag	aggcctcttg	cttagcctca	ccagaactgc	300

<210> 2058

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2058

acaagaggag	gcttatcggg	aggaacagct	gattaaccgg	ctgatgcggc	agtcccagca	60
ggagcgagg	attgccgtgc	agctcatgca	tgttcggcat	gaaaaggaag	ttttatggca	120
aaacagaatt	ttcagagaaa	aacaacatga	ggaaagacga	cttaaagatt	tccaggatgc	180
tcttgatcga	gaagcggctt	tggcaaaaaca	agccaagatt	gactttgaag	aacaattcct	240
taaagaaaag	agatttcatg	atcagattgc	tgtggaaaaga	gctcaagctc	gttatgaaaa	300

<210> 2059

<211> 296

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (296)
 <223> n = A,T,C or G

<400> 2059
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 gacaccaact acagctttca ggttcaatgt ggcttaattg tgggtggccta caaagatgga 120
 tcacctgccc acccacattt catggatgca gagctctgtt cccagtactg gaccaagtgg 180
 cttcttcgac tagaagaata tacggaaaag annangaacc agaattattca gaaaccagaa 240
 tattcagaat ngggancaaag ttgctatttg ggaacattca gcaccttctc acagtt 296

<210> 2060
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2060
 aagggaagga ggctgctggg tagcaaataa gccccttctt ttcttggtga gttgatgacc 60
 tccaatagct cccagtgtca tgggtaccca gtacgcatta gctgggtgtg ggttgattga 120
 gacctggggc agttcctggg gcaagaagcc agatgggaga tgagatagaa agtggttagga 180
 gttatcctct ttgcctggcc ttgagaata acttactgtg tgactttggg caagttcctt 240
 cccactctg ggcctcagtt tctcacttgg gaaagcaagg agtttgacca gatgatcaca 300

<210> 2061
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2061
 agtgactact tagaagatgc tgtccccacc ttgcgccctt cctctagtt gcccacatgt 60
 cttacctccc ccagcttcac tcgggctagt ggaggtcttc ttagacttct ttcaaggcgg 120
 aggatttaga gtctgggggtg aagtggcggg gatggatggc tggggacgtg gggctgctga 180
 ctcaatgggtg atacatcaag cagttaatta agggacaagt tatcttctaa gtgggaggta 240
 aaggatcttc tgggtcctttg ttcttaatgc tcatuttaat gcatcttctc ctcatggaga 300

<210> 2062
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2062
 gtgcaaccga tgggctccag acatctactg cctctgagag accagatact gctacactca 60
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 agagtgttta tccactggct gcagagactc cgagcatgaa ggccacaagg tctgcacttc 180
 ttgttgtaa ggatatatct gtaacttgcc actgccccga aatgaaactg atgccacatt 240
 tgccacgacg tcacctataa atcagactaa tgggcaccca cgctgtattg tcagtgatag 300

<210> 2063
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2063
 gctgcgcggc ggggatgtgt ggctggacag ctgccggttt gctgacaatg gcattggcct 60
 gaccctggcc agtgggtggaa ccttcccgtg tgacgacggc tccaagcaag agataaagaa 120

cagcttgttt	gttggcgaga	gtggcaacgt	ggggacggaa	atgatggaca	ataggatctg	180
gggccctggc	ggcttggacc	atagcggaa	gaccctccct	ataggccaga	attttccaat	240
tagaggaatt	cagttatatg	atggcccat	caacatccaa	aactgcactt	tccgaaagtt	300

<210> 2064

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2064

gagcgacgaa	cttctgagac	aggtgtgggt	gagagggctg	ggaggggtcat	gggattggga	60
ccgaggtgtg	aggagggaa	ctgcaattcc	ttgtacaca	gagcgctggc	aacttctgac	120
aggctgtttc	tgggtatgg	gctgcctcgg	gttgttgctg	ttacaaggaa	agaaaagagt	180
tccccgtccc	accgctccc	agccactggg	ctacctcctg	gcaggaaatt	tgcaaactga	240
gtttaacaag	ttaggatcag	cagagggtag	aggagggccc	tggcagatgt	ggggctaga	300

<210> 2065

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2065

ccgtgcctcg	ctttccctgt	ccccgcct	atggacaccc	ctggctcagg	ccagtgtgct	60
tgtcccagca	tcgcgtcat	ctcctgtttt	tatttgatgt	tacagatttc	atttcattag	120
gaatgagtgt	ttcctccccg	acttttgct	gcattctttt	ccagctcctc	cctggaaaag	180
ggcagggggc	gacactttcc	cagcctccca	ccgtgctctg	ttcctagtgg	cacctgcccc	240
agggctctggg	cccctagggg	tgcgtcctct	accctggaga	ctgggatctt	cttaaatecc	300

<210> 2066

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2066

tgggcattct	cagcctggtg	acggggaaga	gccctctgtt	tgcagctcat	ggaggaaagca	60
gcagggaaaa	cctggcgctg	caaaatgtgc	aggctcgaat	acggatggtc	ctgcctatc	120
tgtttgctca	gttgagcctc	tggctctggg	gtgtccacgg	tgggtccctc	gtgctgggat	180
ccgccaacgt	ggatgagagt	ctcctgggct	acctgaccac	gtacgactgc	tccagtgcgg	240
acatcaaccc	cataggcggg	atcagcaaga	cggacctcag	ggccttcgtc	cagttctgca	300

<210> 2067

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2067

acattaggta	tgtagccctg	acatcactgc	ttcgactggg	gcagtctgat	cacagtgctg	60
tgcagcggca	tgggccact	gtggtggaat	gtctacggga	aactgatgcc	tccctcagcc	120
ggagagccct	ggaactaagc	ctggctctgg	taaataagctc	caatgtgcga	gccatgatgc	180
aagagctgca	ggcctttctg	gagtcctgcc	ctcctgacct	acgggctgac	tgtgcctcag	240
gcacctgct	ggctgcagag	aggtttgctc	caaccaaagc	ctggcacata	gacaccatcc	300

<210> 2068

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2068

gtgcaggctg gttacttaca gttcactttc cctctttgaa gccccattta caataggggt	60
tggatccctt gagacccac ctgcttaggc tccagatgtc accagaattt cacatcagct	120
ttatttcttg gattggtaaa tataacccca tgataaaagt ggctctgagt gttgggttta	180
cctcttgac ttctgtcct caccaatttt tgaccgaaa ttcaacccta tgttgttagc	240
tctttgaatt acctattctg tcttcattag aagagtgcct ccagcattta ttgectaaac	300

<210> 2069

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2069

agctgggggt gactacagct cacctgcagc tggtagagca ctcaaagcag agaccagggt	60
gagccggggc tggacccttg agccaaggaa actgtgagat aacaaatgtg tgttgtaagc	120
agctgactgt taacggaaat tttctaggca gccataggta accagtacac catgctagggt	180
cagattaaat gtctcagat tagcatccct tccattccct ggctcctgaa tgtggccatg	240
atttttaatg catgaaagag ccatggcagg gagattatct gtaggtcaat aaaatcatac	300

<210> 2070

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2070

aattcataaa aggagttagt tgcagtcagt tgtggccttg tctagaagca aaaattataa	60
tatcaaaagc tctacgtatg aattgggcct taatgtcttt gtactcattt attcttttat	120
tgaaaaaaag ctctaaatgc ctattttgtg tcacataatt gagatttgct ttgaaatgtc	180
tgattcttta ctatagtact atctgagttg ttcacagtgg tatggtgatc catactctga	240
actgttccat tatctggaat taaaggcata taataaaaag aaatagactg tatttagttt	300

<210> 2071

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2071

acagatcctc cctctgcaga tggtagagcag tttccactc ggctcttttg attgttctgc	60
aattttcaat gaccatggca caaatttatt taaagctgaa atacttcact tctattaaag	120
cagttggctg ggtatattgt ttttgctgaa attattactc taggaggtaa atctaggctt	180
tatttactac tttgggaaag tacatttaaa ggccatgaat cagaaactag gttacaaacg	240
ttaagactca aaggatctgt atactgaggc ctatatttcc atgaagtggg tctctactct	300

<210> 2072

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2072

cactgtggag tccctgcaag tcagcaggac cagggtgtc ttctgcacc atctggattt	60
ggtagctct ctctgggcag tggggccgag tctcatttcc tocaacaata atgttatata	120
ggcaatgac ctgggctgcc ctaacataat tgaaaattat gtgtattgta ggcttgaggt	180
gctgaaatgt gggtcataa aaatatgtgg tgcaggtagc ctatggagat tggatgtggc	240
acacaatgaa gctttatgta aagtaagaac tataagtctc catgttaata ttgtattatg	300

<210> 2073

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2073
 gtgacccttc ctgcccttct tgagcagctt gtgaaccaga agatgtgcct ggagagaaaag 60
 cctcatttgg ggaagtgcag tagtcgaagt tctttatttt gaaaatggag aacaaccctt 120
 ctcaaatcc tgtctccctt tccccctttc caactagaat atcagctccc ctgaacatga 180
 gtcagtcaca tttcagggaa aactggctga tgttgaagaa atcacttgag ggcaaacttt 240
 gtccttcaag ctgtgggtct ctgaagtgtg gagccagcag atccccagc gtagggactg 300

<210> 2074
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2074
 aaagacttat aagccctctg attgagctcc tttgttgtt acttcttgat cctctttaat 60
 tcaggaatca cagtttagatt tcttagaatc cttctttgtg ctccaagtat caaagacctt 120
 atggggctcc ccagccataa tggaaaaagt aatttcttta acaggggaga caccagagca 180
 agagcggaga tgggggtacg agggggctct catttatgca gctggccaga gtcctcatc 240
 caaccggggg cttagttagg tgacagatgt gatgttgcc aatgtagtct tccttttctt 300

<210> 2075
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2075
 attttctgaa aatctcagtt gggccagtct ctgagccaga tatgctaact tttgctgtg 60
 ggattatgtg atttactggg gtcagaatag tcaggatatt ttatagtagg cagttttact 120
 atatgctatg tggacaaatt gaaaatgaag gactgagttt tttttttccc ttaaacttaa 180
 ttggagatac aatacatgaa cctacaaggg aacatttact cagcagcata ttaattagtg 240
 ccaattttaa tatttgatga ttgctaggta gcaaagaatt ctctagatcc tgaagaattt 300

<210> 2076
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2076
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 ctctctcagt tgtttcagct tctttggctt ctgcctccct gttggacact aaccggaggc 180
 aactgcagc tgtgccaggt cctggaggga ttggtcagc tttccatgct ggagtcacg 240
 gccgtggctt aaagccaccc aagtttgtcc agtcacgaaa tcagcaggaa gtgatctata 300

<210> 2077
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2077
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 gcatggataa agcctcccca ttccccctg cccccacca ctttgtgtcc tttcactttg 120
 cttcacttat gtgccacca ctccagggtc ccctgaggtc caggaattcc atgccattcc 180

ctttcacatg gctgagagcc ccagccctgt ggatgagctg tcctgagtgg gcactcagta	240
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<210> 2078

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2078

atcatctaga atcccagcag tttccttaag ttgcctactg tcaattttcc atttctctcg	60
tccaaattca catggagaca tcatttttac acacttgtaa tcaattgtag gcggagtctg	120
gggtcctagc acttccccta acatcatctc atgatactta gacttttaaa gaacccttga	180
gtaggccctg tgataaagga tgtagtgaa aaaaataatg agaaacaggg acttggtcta	240
gagaaagaag cctgcgtcag atcagtaggc cccctgggg ctgtggaagc atgcagaagg	300

<210> 2079

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2079

agtacgagag caaagaatgc ccagagatga cactagtgat ttcttgaaaa actcattatt	60
ggaatctgat agtgctttta ttggggctta cggtagagaca tatcctgccca ttgaagatga	120
cgctctccct ccaccatcac agttgccctc tgcacgggag cgcaggagga acaaattggaa	180
aggactagac attgatagca gtcgtcctaa tgtagcacca gatggtctct ctctaaaatc	240
tatatccagt gtaaattgtt atgagcttag agtgagaaat gaggaacgaa tgcgaagact	300

<210> 2080

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2080

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agaaccacag aagaaaattc tgctctcttc atacgttcca atatggacgt tttccatata	120
gatacctatc tatatagata gatgctctgg gatctgacgg tcctggacac ctgtatggct	180
gtgtgctgtg gtctttgcct agcctgcggg tcaacttttg tctggccacc acctcccctc	240
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<210> 2081

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2081

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ttagctttcc ctctcccag tttctctcca gcgcagcagg gcacctctag cccagaaaaa	120
gaaaactgac tttctcttat ttctgttttc tgctgctgct aatctcctcc tgaagggttg	180
tgtggcttct tgggactctg gaaagaaact gcaggggacg aggacaaagg aaacagctac	240
tgtagtcact gcagctatgc aggtctctgt ctagccctgg aaaggcctgg acgttcagg	300

<210> 2082

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2082

ctttttcaaa	gtgttgatgg	taatctgagg	caatctaagg	gagtcatttt	ttaagtgact	60
ttatacagaa	agatttggtaa	gagccaaggg	gtagaagtgg	cataaatgtc	taaagcaggg	120
aagtgcagg	acttttcattg	ttcttggtg	aggagaagcg	ggagtggctg	atggaagcac	180
ctaaatgatg	cctttgtctg	tgggaaggca	aatgatgccc	cagagctcta	accaaagggt	240
ttgcagccgc	cgaaaaacag	gaaagtggg	aagcgggggt	aggactacac	tgaatcatta	300

<210> 2083

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2083

caagaattgc	tgctgctgtt	ttttttttaa	ttttattttt	tatttttaaa	gactttccta	60
cctttctcatt	gagagagaga	aagatgccc	gagttaaaat	aggaggtgct	tgggtatttt	120
ggtgaacttc	acaagttaaa	ctggcgaatg	gcgtccatca	gctgttatc	agtccttgaa	180
cagagcagat	atgtttgtgc	gaggacaaag	aagatgcctc	aaagacaaag	aagaagatgc	240
ctcgtcgtcc	cctgagctcc	cacacggcat	ctgcacatca	ccagctcagc	atttagcaca	300

<210> 2084

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2084

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aaactcctga	gctcaagtga	tccacctgcc	tcggcctccc	agagtgtctg	gattacagtg	120
tgagccacca	tgctcacct	aggggtgttg	gtttttaagt	gaaacatgca	catggtaaac	180
attaaaaccg	tctaaaaggc	tggaccatga	aaagcaaggc	tcccttctcc	cacccaatcc	240
ctgaattctc	cctggagagt	atccctccta	agtgcacgca	cttccactct	gttccatttc	300

<210> 2085

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2085

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aaggaaccct	aggaaaggag	gcaggagacc	taccctctga	tttcagtagt	agaacactga	120
tttgctctgt	gaccttgtaa	taactctggt	cctcaatttc	cattaccctg	actggatttt	180
taactgtaat	aattcttcca	tgaatctgga	agtcctttct	ttctttaaga	aacagggtct	240
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<210> 2086

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2086

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tgggacttga	ctaccttggt	gattgtacta	gaaatgtcag	gtatggtgac	tgctctgccc	180
accactctaa	atgaaactgt	ccccccacag	tctctgttgc	ccagggtgtcc	tatgtccctc	240
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<210> 2087

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2087
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 gttatgggtca tttcctctc acagccctat agcttttagta ctatgactgt ctccctttta 120
 cagatgagga aactgaggct gagagatgtt cagtaagttg cacaaagtca tacaagtggg 180
 ggcagagttg ggattcagat cttgccattg tgcagaaggg gtgaacaggt gggttctaga 240
 gtccttaaaa ggtattgaag ggttttgaag caaggggacg aaatccttgg accaacattc 300

<210> 2088
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2088
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 aagcggcaaa tggacactca agaaccaaga tgatatcaac ctccatcaag acagctcgga 180
 aaagtaaaag ggcacaggg ctgaggataa atgattatga taaccagtgt gatgttgttt 240
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<210> 2089
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2089
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 aaaaaaaaga aagaaagaaa attacctgga attcaatatt gccatcggt gatttaattt 120
 ctaatatgaa gaaaggggca gtgtgatgtg ccatggagca tccacaacct gccatttcag 180
 cccagccaac cttagaaaag cattgaaaag agttgttttt aatgggtgtt ttacatccag 240
 cttccacac ctcaaatact tgggggtggaa ttgttaatct cacattgcag tacaatgaaa 300

<210> 2090
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2090
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 acagactgca tgctatacgt tggtaaatgt taattaaatg aatatcttct caggctagct 180
 tttttgatcg ccccaacgcc ttggctagtt ttctctcatc ctgcctcaga ttgctgtggt 240
 gatgcgtccc gctagcacct gcagagacag ccctgttgggt aatgttggcc acagtgccag 300

<210> 2091
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2091
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tgaggaagga	acctaggaag	caagcaggaa	gtctggcctc	gctctcggat	gcacccccct	240
taaaaagtgg	actcagctcc	ctggcgggag	ccccttcttt	aaaagactct	gagagtaaaa	300

<210> 2092
 <211> 279
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (279)
 <223> n = A,T,C or G

<400> 2092						
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agctgcagcc	ctggangagg	gggcgggtcg	aggctgtgtg	gngattggg	tctccgcccc	180
cacgccctnc	ccnggcangg	netggagctg	gncngangcc	aantgccttt	nagtcnnttn	240
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<210> 2093
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 2093						
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gcacctcgat	ccgagtctca	gcacctagac	taattaggat	gacctcagag	atgctgaaga	180
gtacctttgg	tcagcctcag	tctttttgtt	tttgggtttt	tttgagaccg	tgtctcattc	240
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<210> 2094
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2094						
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cacggacagg	aatgtcgtgt	gtcttggtct	gagatgtcaa	agaaacatgt	tggacacacc	180
atggtgacag	agcaggagtc	tcttaacccc	ggcgtgggtg	aggctgccgt	tctgggtggga	240
tctgggggtca	gtcaggggtt	aacagtcgct	cctgcttgcc	tgattgacac	agtaataaag	300

<210> 2095
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (221)

<223> n = A, T, C or G

<400> 2095

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tagccctgc	caccactgc	tgcagacca	cccactctca	gcttagctca	aaggctgttc	180
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<210> 2096

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2096

ggtgggcagg	cagctgcacc	tcattcctga	gaccatccgg	ggcagggcct	ttctgactga	60
gacacacgac	cctgacacca	gagagaattc	tgtatttccc	cacccttgca	ggggctgccc	120
ctagagaatc	ccatcggtg	agcccaggaa	cccacaagtt	ctgcaccctt	cggatgggta	180
ggcattttga	gggcatgagg	taggcgttac	agtataaga	tacacagggc	tctaaaccac	240
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<210> 2097

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2097

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acccttgagt	gcaaaaactgt	cctgtccgaa	gtagaatcaa	atcacttttc	tctggtcagc	120
tctggtgttc	aacaaacact	acttgtggtt	gaaaaagtgc	tggatttgga	aaccagagaa	180
cccctagctg	ggtgaccttg	agaacaagga	gatgatagtc	ctcattcctt	gcaagggtgta	240
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<210> 2098

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2098

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agttaaaagg	gaatacgtg	tcccaagatt	ctagaatgaa	gagtcaacgt	agcccagagt	180
gcttaaacct	cctgtcctta	aatgcaagaa	atgttttcta	tcgagccctg	gacagggtgc	240
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<210> 2099

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2099

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catgtgccag	cactagctag	tgagatctac	agatcatcgc	ctgcctcat	taagtcaaag	120
gcttcaactt	ctgcttcac	aagtcattct	tttgttcaact	ctctgtaaaa	taatcaactc	180
acgccctcaa	gtttctgctg	tggagttgag	gtgacaatat	ttcaacagaa	ttgatgccat	240
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<210> 2100
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2100
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 gccagtgtcc tctaaatatt atcatttatt gtgttattgc agctggggag ggagaaaatg 180
 acagcatccc aggggtaaga tttaatcttg aattcatcag gaaaatgacc cctgaacatc 240
 cccgagtcta gccctcattt gagaactagt cctgctaatt atataccttc cccgtaaagt 300

<210> 2101
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2101
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 caaaactaac ccagtatgtg gagacctatg tcagtctatt tatttttcta tctctgtggg 180
 gctggagaag gaaataaaca taaaactaaa gatttaaaga ttacttttga tttcacttag 240
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<210> 2102
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2102
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 agcctectca tagaaaattt aagcagccct ctctaggaca tcaccagtgc atttccaacc 120
 tcagctgccg gcagggagta ctctacact gtgtaacttc agcctctcgc cgttctgttt 180
 gaggaaactt cctccctca gggaccaca cttgggggtc ctcgagtgtg tagtccagag 240
 ggtcccagcg tttatcagga gccttgctg taagagaagc cttgcctatt gcccctabg 300

<210> 2103
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2103
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 ttgcctcgga gtggccttat tttctcgca acttgtagaa tgatgtagtg ctctatgtaa 180
 tatggccgag tttccaagct gtcaccaat ggaagtagaa tcttctcttt gaatcatatg 240
 gtacaggtgc caatatgact gctgctatct agagtcagag aggtggaagt cactgggtcc 300

<210> 2104
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2104
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ccaagtactg	taagtaccaa	gtctcagcca	ggcagcagtg	cttcttctag	ttctggagtt	180
aaaatgacca	gctttgctga	acaaaaattc	aggaaactga	atcataccga	tggaaaaagt	240
agtgggaagca	gttctcaaaa	aactacacca	gaaggctctg	aacttaatat	tcctcatgtg	300

<210> 2105

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2105

gaagagcttc	tgcaggggct	gagcagaccc	cagggcctct	tagccaatcc	ccgggcctgg	60
tgaagcaggc	gaagcagatg	gtcggaggcc	agcaactacc	tgcacttgcc	gccaaagatg	120
ggcaatcttt	taggtctctc	gggaaggccc	cagcctccct	ccccactgaa	gaaaagaagt	180
tggtaaccac	agagcaaagt	ccctggggccc	tgggaaaagc	ctcatcacgg	gcagggtctc	240
ggcccatagt	ggctggacag	acactggcac	agtcttgctg	gtctgctggg	agcacacaga	300

<210> 2106

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2106

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gatctggcct	cccacggata	tggtgaagta	acaagcttgc	ctagagatgc	agcaaatatt	120
ttggtgatgg	gtgtggaaaa	ttctgcaaaa	gaagggtgatc	ctggaacaat	attcttcttc	180
aggggaaggag	ctgctgtgtt	ttggaatgtg	aaagacaaaa	ctatgaagca	tgtgatgaaa	240
gttctagaaa	aacatgaaat	tcagccctat	gaaatcgcac	tggtagactg	tgaaaatgaa	300

<210> 2107

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2107

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gtagacatcc	acagaggata	ggagctgcag	cgtgtgctgc	tagactcaag	agagaagtct	120
cgtgactca	tgcagggtga	ggttttgtct	cattcccagg	aatgcttgga	ctcccagagg	180
cagtgaagcc	acacatttta	gcagaattac	ctcagcagtg	tggtagcatga	tcatgaactt	240
caagtttacc	tacaaggaag	atttcattgt	ccttctgtca	ctagccaaac	acttcacagc	300

<210> 2108

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2108

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gtcaagaagg	gaaactgggt	tcttccagaa	tacttttgaa	aagttctagg	gaatttttca	120
aaggctattt	tgtaaggat	attgagtagt	gcttagaaga	tacagtctcc	actttgaggg	180
cgcataaacc	ctctaggctg	ttgatgagag	agtctgagca	cttcccagggt	ttttctgcat	240
ctagacatga	gtaaatggtg	aagaacactt	ggttttgttt	tcagggtata	tctgtgtcct	300

<210> 2109

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2109

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aatgtgggaa	gggacccagg	tgggccttgc	cactttggga	ttgctgtccc	tgaagaaatc	180
ccttagcctg	atagaaacgt	aattgttggg	agcaatgaac	tgtgttgggg	gagaaaacat	240
aacttggcct	ttcttaagct	gtatggctca	gtggtctgag	tttctgtaga	tctcttattg	300

<210> 2110

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2110

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gtggggatgg	tgatgaaagg	gggaatattg	ggagaggatc	acgtttggag	ggagactaag	180
gcaccatcag	tattctagag	attagagggc	tgtgagagaa	ttgtgatagg	agggatttac	240
tctttggcag	atatccaagc	gtggaaggcc	tgtttgatgg	actgtccttg	ataatcacag	300

<210> 2111

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2111

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tagatgaaat	cagtaagaaa	gaatgtgggtg	tgtcagttca	agagttctgt	tatcttgaga	120
gccctggtga	ccttagcctg	ctattcaatt	gagccaaatc	tgtattttct	gaaggcagaa	180
gatgaaagca	aatgatagat	gcttagattt	gaggagggtta	tttgggtgctg	ttgatatttt	240
taaactttta	aaaggcatta	aaagatctaa	tttaaattgc	acatgtaaat	gtggctgtgc	300

<210> 2112

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2112

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accagcaaaa	atactectca	catgtcctta	gatagttgca	aatgtctccag	agaggggtaa	120
tggcactgct	cctacttgag	aaccactggc	tcctgtaact	gcttggccta	gttctaactt	180
ctaaaatgtt	ctcctttcct	gagagtataa	tgaagagcca	gatactttgt	gatctttcta	240
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<210> 2113

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2113

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aagaaagaag	ccaaaaaact	ttcgtcttac	cactgcgcct	cctcatgccc	accccatcct	120
attagcctaa	aatggaacgg	gctaattagt	ttatttgat	agggaggggt	ttcagctgcc	180
tggacaaaac	caggagtcca	ctgtccaagc	ttcttctgtt	ttcctgagct	cagaagaaaa	240
aaagtgtgtt	agactaagat	aataccgcct	tttgaatatc	tgggttcacat	atttgccctcc	300

<210> 2114

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2114
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 gacacctcaa gtctgagtc tggtgattgc caggccctgg ggaatggggg aagatgtggt 180
 cagaggctct tcttgtagc ggggcaggat gtgtcttctg ctggaccggc accttttggt 240
 tgccccattg gtggcagatg tgagcgacat caggcgcttc ctcagtgcac ttcacgagcc 300

<210> 2115
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2115
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 cctggggcag aactgagtgt ggcgggtgct gggcacagga tattccccca ggggcttagc 180
 ttcattgcatt caggcttacc ttgaggctcc aagcttattg gtggcataag ctctgcagat 240
 ccctcacctg ccatcagcct catctgaatc tttgtcttcc ctcagataag cccttaggca 300

<210> 2116
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 <212> DNA
 <213> Homo sapiens

<400> 2116
 tccacacctc acgttcagtc acagccctca gctatcttcc ctccggccac tgggctacct 60
 ctcttctcagt cccagaagac aagtctcacc aaccacaggga gtcaaggacc agcaaaccac 120
 agtggataat ggactttttc attcctgttt ttcttggcag gagagaagca aggccactaa 180
 aagaggagat ggtggagacg gaggtctcagc agtggctctg aggggttaaag gacttagatg 240
 cccagatgaa gagggaaagc tgacatctgc agggaaacca ctttgaggct gagggccatg 300

<210> 2117
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2117
 atataaaagc gtttagaaga agaagcaaaa gagaccgcga cattccaccc agggaggggca 60
 tggagaaaaga acagtgagtg gaaggaaaac aggtctgtgc tgtcctcaag catagaggtc 120
 tttctatggc aggcaccccg ggcagccaaa aggacactgt ccacagccag gccagagtct 180
 agctgtcaca cacataggca ggtgtgttgc atacctcagg catgcgttca ggagtgttaa 240
 tacttaagtg aatttgtttt ttacagcaa caacctatag ttccatttaa aaagggatag 300

<210> 2118
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2118
 gggaaagaaa ataactttgt gaagccagtg tattctgttt ttaaaactgt gcctgcagtg 60
 caatactcct tctggtgtat tttatccatt atttcacttg ctggtcgtca tttcacagcc 120
 agctttgaca tgcccgtag gacaggagcc gccgcttcag ttgtcactgc agagccatcg 180

tatgtcagtt gcaatttcca tctgaagcta tgtctttgac ttcactttta gcagaaaatt	240
ttgtaccctg gtggtcagat cttcccttaa aaattgttaa atcatttggc tttaatggtt	300

<210> 2119

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2119

gcacaggcca cggagagaga gaggccgggc ctggatgaag ccgtgggctg tggcgccgtg	60
cgaggcccag gcatgcttgg aggaaaggtc accgtggctg taaagtgcta gccagggcgg	120
gagccgggct tgtgtttctc gcacagtctc agccatctgt cagctgcttc aaagggcatt	180
caaaagtcca ggttttgatt gtttcttgga ttagtctgag tctgtgggct tgccttatcc	240
accctggaaa gttctaggca attaatattt atgtggcatt tctgagggtt tgatgccccg	300

<210> 2120

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2120

gaagaaagca gatgccatct catctattgg cacatcagga ctgacagaca tgaaaaaatt	60
ggccaagtgg gcagcagagt ccaagctcga cccaaatgac cccaacaatg cccctttgat	120
gcagcttata tgggttgcta ccagtgggta atcctatgtc cctgatttct ttagactgga	180
gcagctgcaa caggagttaa actttgtttc agatcaagaa ttaaatagat ccaaacgatt	240
taggcttctt catcttagaa gccaagaggt gccagaattc cgaaattata agcaagttcc	300

<210> 2121

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2121

gaaaccccca gcttttagtta ggtctacttt catgattttt cctggcatac tgaaaaatag	60
gcttttctcta aacataagga agaattgggg tgaaatgtga acctctggca gtatagttat	120
tgggtgatgt cttgcattta gtcataattt ggaagatggc aggctgacct aaatgagcat	180
ttcatcactc tgcttaattt acttagagtg atttgtgaat cctgtccttg tacacaggcg	240
tacctcagat aattcgagtt ctaatccaga ccaccgcagt aaaataagta ttgcagtaaa	300

<210> 2122

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2122

gttcagccca agacgttcca ttgatccaga tgggtgttaga gcacatttgg tcaggttgcc	60
ttcatgggat atttgacaag ctgcaaaccg gagggcatgc tgggtgccga gggcgccctc	120
gtgctgacct cagcatgtgc agcaagagcc agggcacagg ggcggcctgg cccatttcag	180
gcaggtgctc tgtgggaggg tggctgtctc cactgacaac ccaggagagt cagcaaggag	240
gagccctgag gtggactcga aagctgtggg agctgatggc cctcctggct tctgccacag	300

<210> 2123

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2123

ccaagcagag	ccttgccatt	atagatacag	gtttctaaaa	gctgatagct	tggtgccag	60
cctcatgggc	tggtacaccc	acaacttcat	gggcctcttc	tagtggaagc	tggtgacattt	120
ccttggtgaa	ttcttttccc	tgaggggcaa	gatccatgcc	acacagctct	ctgaccctgt	180
gtgtcacaac	ccttatggtc	catgagcaaa	atggttgcta	gtagtcattt	gggcatttct	240
cttctgtttt	cttatgtgtg	taataagata	tacaaagtcg	ggcttgaaga	ttagaaattg	300

<210> 2124

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(283)

<223> n = A,T,C or G

<400> 2124

actgactctt	ccccctagag	tttctccttg	agaaacaaag	tccctgtgat	actttcctgg	60
aatgttgtat	acatgacctt	ccccgaaggg	acacaagtgt	ttctgggtgct	ttccaatggg	120
aatgtgggaa	gggacccagg	tgggccttgc	cactttggga	ttgctgtccc	tgaagaaatc	180
ccttagcctg	atagaaacgt	aattgttggg	agcaatgaac	tgngntgggg	gagaaaacat	240
nacttgggct	ttcntaagct	gnactggctc	accgtgctga	ggt		283

<210> 2125

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2125

gaagaaactc	ccatgaagtt	caaaggagca	gcagatatgc	agggtgcac	tagaaatgaa	60
aatctgaccc	tttgtccctc	tccttttcat	ctctcttttg	tacaggcctt	ctttccttct	120
gtgcaaacag	acccttgta	tagtcatagt	ccatcacgct	gttaaatgat	ttccagcact	180
gctctatgat	gtgctgtaat	ttcagggagt	agttttatct	tctacaacat	gttgctctgt	240
agcaagtgta	tttctact	gagtggtagt	tctaattggc	atattcttaa	caaaatagtc	300

<210> 2126

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2126

gtgacctgcc	agctaccagt	gtttccgaaa	atgaggggtg	gatgggcca	tttgcgtagt	60
tggtcaacag	tcatcccat	agccctctga	ggaggggagg	gatgcttaga	gcaggcagtt	120
ctgtcagttc	tgacgtggca	ggtgccattg	caacttgctg	ggaggagtct	taggaagtgc	180
tgtcataatt	cataaggtca	agagcaacat	ctggatgaat	gagccacctg	aaatgtgtgt	240
gggctgagcc	acaggaaggg	tgagtcctct	tgcttggtgt	gctttatggt	gtgcaggttg	300

<210> 2127

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2127

gctcattcca	gctggtctat	cgtgggcctc	agaaggtgaa	gagggaccgt	attctggggc	60
ccacgataga	ccagctgtag	ctcattccag	cctgtacctt	ggatgagggg	tagcctccca	120

ctgcatccca	tcttgaatat	cctttgcaac	tccccaagag	tgcttattta	agtgttaata	180
cttttaagag	aactgcgacg	attaattgtg	gatctcccc	tgccattg	ctgcttgagg	240
ggcaccacta	ctccagccca	gaaggaaagg	ggggcagctc	agtggcccca	agaggagct	300

<210> 2128

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2128

cttgaggact	tctttttaat	gactttttca	gacttgagga	ctccttttta	aagtgttaga	60
ctgttcacc	tagatccttc	tggtcattct	ctactttgtt	gtggataaaa	attttataat	120
aaattaggta	atgttttaaaa	gtggctttgt	attttgtaca	tttgcaacaa	tgtgtgtatt	180
aacctctcct	aattccatct	actggcaaag	cttgatttga	tgagaattgg	gtccctgca	240
gtaatgtgac	tctgaagctg	acggattaga	gagcttgtgg	ttcaggcatg	aaccttgtct	300

<210> 2129

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2129

tgagtgtgta	actcctaaat	tagaacactt	tggtatctct	gaatatacta	tgtgtttaaa	60
tgaagattac	acaatgggac	ttaaaaatgc	gaggaataat	aaaagtgagg	aggccataga	120
tacagaatcc	aggctcaatg	ataatgtttt	tgccactccc	agcccatca	tccagcagtt	180
ggaaaaaagt	gatgccgaat	ataccaactc	tcctttggta	cctacattct	gtactcctgg	240
tttgaaaatt	ccatctacaa	agaacagcat	agctttggta	tccacaaatt	acccattatc	300

<210> 2130

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2130

gtgatgtggtg	tgatcaatgg	actgggaagcc	aacagcagag	acttagaccc	aagaaggag	60
cttgagggtac	aagaaaactt	cagggtagac	aggaaggagg	cgtgggtgaaa	gtgatgaaag	120
gggagagttag	aagggtggtc	cagggtcaga	cagggtagtt	gatttaatcc	ttcagggcac	180
tttcattaca	tcatagctgc	cattttgtct	tttatctgac	tcaataataa	gtcagtaata	240
agtaatgttt	taattaaagg	taaatgcttg	gcaggtaggt	taaacttcac	tgagtcccaa	300

<210> 2131

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2131

accaaagtca	cttgtgtata	ttttaagtga	aaagaagaga	ggactcggat	gaccatgctt	60
agttaagggg	gagggtgacc	ttttatatgc	aagttgggaa	atacagagaa	agtgaagg	120
gaccaaagt	aaaacacatg	aaataagata	agcagagatg	aaagggtggca	ctagaactgt	180
aagaagcatt	tgaacaggca	gaacagtgtc	ggagacttta	ggagagggtc	caagctgcc	240
tgtggccggt	cctcaaatag	ttctagaatg	actagcatat	ctttttacaa	aactataagc	300

<210> 2132

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2132

agaaattttt	ctgcattttt	atatgctgaa	actagtttat	atcttgattc	caaaataact	60
tgttaaaata	tatagtttaa	aaccttgat	atattataaa	cttagctttg	taatattaag	120
tatgaaagca	gcaaagatag	atagtctcag	aagaagaaga	aatgtataaa	ttttggggag	180
atgctgtgat	aaatagacta	gacttacctt	tgagttccta	gcgataccta	cctgacagct	240
tccagctgga	aaatctgctt	ggcaaggaaa	ggggaatatg	attattgatg	aacttccagc	300

<210> 2133

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2133

gtttcgctt	gttggccaga	ctagttttga	attcctagct	tcaagtgatc	cacctgcctc	60
gacctacca	tcctagattt	taaaccttga	aattttctag	agctgcctcc	cagtgacttt	120
aacttactgt	gtggatctgc	cttgctgccc	tcacttcttc	atcttctcac	cccgtcctca	180
ccacttcctt	gtcttctttt	ggactggctt	gtgtttacaa	cattggatta	gcagttgtaa	240
ggtcagcaat	gaattcccaa	atagcattca	gcacctattt	tcagcccttc	ttaatttttc	300

<210> 2134

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2134

gtggccagag	tggagaggat	gtgcagaaa	gggcaggaga	tgaaggttgg	cagcagctgg	60
tcatgaagg	gttaacaagg	ggcctccact	gggctgtgcg	gagctactga	agatgtttgc	120
acaagagaag	ggtagggcat	ggtagacatc	aaaactcctg	ggacctcgga	ggtgatcgag	180
cctaacctgg	ggccatttta	cagataggaa	gactgagatg	aagacaggag	aagggccatg	240
cgtgaagtca	catagcactg	ggcctggctc	ctggggtaaa	ctaaggggta	gaaaagtctg	300

<210> 2135

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2135

gtttgtataa	aggttgctag	tttaatatc	aagcaattaa	taaagacaag	gtgtgagttt	60
ttctgttaat	gcacctctgt	cttaatgtga	agcaacgtat	aagcatgcat	cttaccataa	120
ttggtgtgca	tgtctgtgta	catgggcaca	aacatttctc	tttcagccct	gtaatcacat	180
ctccaagtaa	tctaagtcaa	aaagagcaaa	atctaagcca	gtggacatgc	tgaggctatc	240
tcagggtcct	ctggaatgat	caaggccaga	aatcccatct	tcataacat	tttttttttt	300

<210> 2136

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2136

atctgttcag	ttctggcttg	aaaatgtgtg	tgccatactg	tgaccacagg	gcagcccctc	60
ctcctctact	gtgtcagggtg	gaccagggtc	acctctgttc	tgcgcagctt	tgagattcta	120
ggattctacg	gccggcacga	atggcatggg	agggttctct	gcacgggacg	gcataacggc	180
atgccatcct	tcaggctggc	aggagcctgc	gcagggtgtg	caaaatcttg	aaacagcctg	240
tgtcctgcct	ggcttttcac	tttctatatt	aatataagaa	agcacttttt	tttctgcttt	300

<210> 2137

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2137
 ggcagttcta gatcttgtgc tttaaactct ggccctgcctt tcctaattct cagaccaaca 60
 agtagtggtt tcccattcgt attgcttata ataaaatgag agagtcttct gtccatcatc 120
 ttatttgaaa gttgaaccac tgtaagcaaa aataccaagg agaggtctga tccactatt 180
 gaaataaaaa gaaccatgag ggccctgcag aattcaactg gaccttgagg attactcact 240
 gaagaagggt ttctattttg aatgtttatt gtcttcctac ccaggtctcc ccaacaagaa 300

<210> 2138
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2138
 ccggcttttag tttttaatat atagcttagt tggctcacatg gtgcagatgg cattccttca 60
 gtatttcgcy tgccagttgt ctgagctaat agatattcagc agctggcaag gaccttggct 120
 gcaactgctg ctgccccctc atcttcactg gcacagggcc ctacacttag tcaacaggca 180
 gccaaaactt actgagtga ggaaccaaag gcacaacttg agaactgtct atgtttgtgt 240
 ttatagaaga ggaacaataa agtcattcgac tatctaaata taatgaataa caaaaaagaa 300

<210> 2139
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2139
 gaagaagcag cacacttatt ctccgttacc tctggaacat gtgagcaccg tgggtgttct 60
 gggctttctc tgccaaggct gggaaactag agttctggca gctttgttgc tcctttgtct 120
 tctgtgtgag ccgcggtgtc atcagccagg tcaccccgct tgcagcacag tcgctgtgct 180
 ctgggcatcg gtggagcggg gagctctggt tgtgcacaga gggccagggt tagatgttgt 240
 gcacagaagt cagccccacc caggtaggct tgagccgtct tcctgaacc tgaaatggtt 300

<210> 2140
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2140
 agatgttata aaatgtgtag gcttttaata tataagttat ttggctcctt tgttttggca 60
 tacttaaaac agaagaaaac cacttctggg gcagaaaagc tagaactgat atcacagttc 120
 cctctggtgg ctgctatgtg tcaattcgat ctcttagaa gaaaatagtg tagcctaaaa 180
 taggtctttc ttaccacag ttagatccct gcagcaatct acttctcgaa acagaataac 240
 cattcaacta tgacagctat cttaaatca tagactgtaa ataatttggt tcacttctac 300

<210> 2141
 <211> 279
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (279)
 <223> n = A,T,C or G

<400> 2141

gtttgtttca	tgatcaaata	atgaatctta	agagcagtat	ttctcacaga	cgcagaatgt	60
tccagcaatt	ctccttcagg	cacatttcct	ttgctgaaac	cttttttagca	ggtccctgga	120
gcactcatga	acaaaataaa	aaaaccagaa	accctgtaac	cctggtttct	attaaagtct	180
agcttggggc	tttttttttt	tgacaaaggg	tcgnaangtc	ncccaggctg	nagnggagng	240
gngcagnctn	ggnntnantgc	aanttcacc	tcccaggtt			279

<210> 2142

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2142

gcgacgtgtc	tgcgagacct	ttttatacct	ccttcccggg	agtccggcag	ccgtgtctgc	60
tgctgtgtct	gctgtgtccg	ccgccgccgc	cgccgtccct	gcgtccttcg	gtctctgtctc	120
ccgggacccg	ggctccgccg	cagccagcca	gcattgtcgg	gatcaagaag	caaaagacgg	180
taggcttcca	ggcgccggct	tccctccccg	ccaccgcact	gcacgcgccg	acccccacc	240
cccaattccc	cggcacttgg	gtcccacct	ccccgggagg	gggcgtcggg	aggaggagta	300

<210> 2143

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2143

ggttagcaga	gccaacaagc	accctgggag	aaacacacac	ttccttggtg	gcaaattgga	60
aatcatcact	gcttttctgt	agacatttag	ccgcagattt	gattcaaaat	cctgttagta	120
ggtgtgact	gaaatagttt	agtgggggca	gggaacagca	agaggtagga	ggaaagccat	180
tcagtaaate	ccccaaatcc	caatgtttgc	cctgtctcatt	tgagcaactg	ctcccattgt	240
caggagaagg	tcattctctgt	atgaatgttt	acatcacaaa	taaaatgaag	cttcagtaga	300

<210> 2144

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2144

gttactgatg	gagagagcag	agaagctggt	gtttgcagtc	ccatctgtca	gccttgacac	60
ccctactcct	gtccagccag	tgtttctcaa	agcgtgctga	tgagcaatgc	aagatgattt	120
catgttatag	ataagaataa	aaaaattggt	ttgtgtttta	ctcaaattag	aaaaaggcaa	180
caattgggat	gtgcgacctg	tggttttgca	gatgatactg	cttaggatgt	tggtacttaa	240
gaaaaggtea	acttttcaaa	aatactatta	gtgacatgtg	gacctagtcc	tcctgaagag	300

<210> 2145

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2145

gccaggctaa	tttttgtatt	tttagtagag	atggggtttc	accatgtctc	aaactcctga	60
cctcaggcga	tcacccacc	tcagcgtccc	aaagtgtctg	gattataggc	gtgagccacc	120
gcacctggcc	tatgagtgg	cttttaatta	ggaacaaatc	taatggaaag	gagagttgac	180
tgaagtggc	ccacaggatt	gtgagctggg	cagtgccttc	atgaaggctt	gccaccttgg	240
gacgccccag	tttactgggg	tgtcttgccg	agtgcagaag	gctttctggc	agctgcctgg	300

<210> 2146

<211> 282
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 2146
 gtgatgctgg tgatcaatgg actggaagcc aacagcagag acttagaccc aagaagggag 60
 cttgaggtag aagaaaactt cagggtagac aggaaggagg cgtggtgaaa gtgatgaaag 120
 gggagagtag aagggtcacc tcnncccat cnnncacctc tnnctctcn cccncctcc 180
 ttccnttctn ctncancnag ntccncncc tcnnacntt cntnctccc ntaccccnnc 240
 ncntncnnnc nnncccccanc nacnggctcg cectcnagct tc 282

<210> 2147
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2147
 gattcatctt cttgttcttt aaaagtcaaa aggctttttg acctttaaat aactcttaca 60
 tctggtcatc actgttgaaa tgttctacta aattttcaga gtggaaaagt tttaggctta 120
 aaactgactg gtaaaaaatag aatatttctt tgtattgatt tttcagtata gctgtacagc 180
 cagttatcct tcgttaagtg tttcgggtatt aaaactgctc acatttgtaa atattgagca 240
 gctttattgt cagaacaaga atcccttggt ttcccaatcc ccaactttta acattgtaat 300

<210> 2148
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2148
 gagaacctaa caaatgcatg tgggtgggtaa ggaagagasa gaagtagaga tgaaatttcc 60
 actctgactg gggaaactag gtagatagat gatcatgaag aatctgagga agagcagaag 120
 tcgtacaggt aagaatgaat gcattcatta atttattcag caaaactgcc tgaagaatac 180
 catgtgcagc actgcgggac aaaacagggc ttgcattccc aggctgtact cttgtgagga 240
 caacaagaag gaagtagaga aacacacaag aacaatgcta agatggggaa actccatacg 300

<210> 2149
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2149
 agaaggaagg aagaaaggaa gggagggagg aagggaggga gggaggggtt gaagttaaca 60
 aatctatatt tggtttgga aatatgggtca catagctata ggcattctgc agaaaacatc 120
 attccttggt aatagtcaaa taacttagga atttaataat aattatacct aactcttatt 180
 gagtacttaa tatgtaccag gcatatagta tataaatata cctatatagt atataaaaat 240
 aaattgtaaa attttgtaaa atatataata atttttaatg taaatatatt tatattattt 300

<210> 2150
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2150

cttggggcca	ggatcctgga	gtccttgctt	ggggataact	tcctggagag	ctgctcagtc	60
agctataccc	ttgggagtct	tttggtgagg	gagaaataaa	tgtcattttg	caaagccact	120
gatattctgt	ggttatcacg	gcagtttaga	gaggaaggat	gggggaaagc	tgggttgccg	180
tctaggcctt	gacacttcct	gcctttgtag	tgtaggcaa	acatggcaac	cccagaaaac	240
tcagctgcct	cagttttaag	gcatgcaggg	tctttgtgag	gaccatataa	gccacgtgga	300

<210> 2151

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2151

acagcattcg	ctgaccattc	tcctcctcca	cccaccaagg	acaggagggc	taaccaggc	60
agagaacct	cgctgagaac	tcaccaccag	aaaaaatatc	tgcttttaaa	agcacagtgc	120
acaatagtag	tttttaaaag	ctaaaagagc	taagttaaa	gttaaagaca	cgtatgttct	180
ttgacacaga	tctcctaaaa	gtctgacaaa	attagaagta	ccagcacata	aaaatagatg	240
cccaagaatg	tttattgaaa	aaagctgaaa	acccatgact	atctcaatag	gacaatgaca	300

<210> 2152

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2152

aggaagagta	tggtcctga	acctacacag	agctctacag	tagtcgcatc	tgcccagcaa	60
gtgaagacaa	cgcaaacttc	aaatgctcct	gatgtaaagt	atgcaattgt	gaaactattc	120
aatgattttg	atgttaaagga	aacctcccat	catttagtga	tttctcatct	agatctacac	180
atagtgtatg	acattcatgc	ttaaagaaaa	gagtcaaaca	gacgtattac	tggaggggca	240
atgcaactct	cttttacaca	gctaactata	gattattatc	cttatcataa	agcaggagat	300

<210> 2153

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2153

ggatgggtctc	gatctcctaa	cctcatgata	cgcccgctc	ggactccac	agtactggga	60
ttacaggcgt	gagccactgc	gcctggccgc	caatagtgtt	ttaaatggca	caaatttgaa	120
tgctccccc	ttaagatcag	gaaaaaggaa	aggatgtctg	ctttcaccac	ttctgttcaa	180
ggttgtagca	gtgagataag	caaaataaat	aaaaggcatc	cagattgtaa	ctgtgctttt	240
ttacagagca	ggatttatac	caactggttt	cacaaataat	tttaaagatt	cactactcaa	300

<210> 2154

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2154

caattcttgg	ctcccaaag	cccttaccaa	aataagttag	taagagatgg	cgagtcttta	60
aaggagtggc	tcattcttcc	tctccctggg	gcattttggg	gtgggagact	acaggggatg	120
aggttaaaaa	gcttggtcgg	caggtagagg	atggggagag	aggttagggc	cctgggaaaag	180
gtgagagatc	agccagagac	aggtttccca	gaacagaatg	tctggccttt	gtggtaggga	240
gggactgtgg	tatgagccgc	agaagcgggc	caggggtaaa	ccctcctgtg	cgctccttcc	300

<210> 2155

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2155
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 tctatggaat gcaattttaag gacattaaaa gccttcttct tgggcatgaa atcttaccat 120
 atacaagctg ggccctgaaa gtttaatttc ctttagtcct atttatgggg cctatgatta 180
 acctgctgct ctccatcttc ttccctcatc cctggggccac atgactacca agtccaagga 240
 tgctgcccac cctcttgcac agtgcccttt cctacaactg ccaccaaact cagctgacag 300

<210> 2156
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2156
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 tcttccctgt cccccaaaac ctaccagctt aacctctctt tgtgccatgt cactgggtgcc 120
 tgtggctgca cgtaactgga atggaacatg ccttggttcc cactcagccc cctttaagct 180
 acatcttgaa ttccccaaac cactcttctt cgtacctgtt ctgctgcacc caggtgcctg 240
 cacggacagg gaagcatctt ttctcggtag tgcactgtgc ttcagagact gggccccct 300

<210> 2157
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2157
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 gatgggaata agccttggct ctgttctcct tgcatactta gcccattgga acccagtttc 120
 tggcctcacc aggaatgttg ttgtgctttg agtccctgtt ggcccttgcac gatgcctccg 180
 ttggtcctta caggaggtga ttggctggcc acctcacttg ctttctcctg tggacccttc 240
 tttctctgtc ctctcttgaa tgcctgcttt gtccctcatg attatgctat caacattctt 300

<210> 2158
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2158
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 gtcacatctt cgaagccact catttcatcg gaattgggag ggccaccatc ttatagctgg 120
 gcttgatgac ctttgacttt tcccagtata tattggacta ttttgatcac tgctatatgc 180
 ttctagttcc tcaatcagta tctgccacag aggaggccct ctaaaatttt tgtggaatta 240
 cttaatgaaa tgaatgagtg attattcgcc ttcacaggat tgtgtgagac catataaggt 300

<210> 2159
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2159
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 tgccgtatac caggaattgt tcaaggagag caggtagttt gtcttatatt ctaacgtggg 120
 agaaagaaag caaataaatt acatgaattg attaattgat cagttgcatg gcttttagta 180

tacatttctg	tcagtctgcc	aaccagcaca	ggtcccttat	tagcatggga	gaagggcctg	240
atcactgaaa	gtattataga	tttatagagt	attgaaagga	aacttaagga	aattgggggc	300

<210> 2160

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2160

tatctattgg	cagcaaagac	tgtttattgg	tatactacaa	tatgatttaa	cttttatttt	60
ggggataaat	agtagaaaaa	agtgaacacag	aatgaaggca	ggtgtttttt	attctaata	120
tggaataata	cagagatact	ggacgatctc	tagcagttaa	ttattgtgac	ccatataaaa	180
ttatacaggt	cacagtataa	ttctctatta	ccgtttttac	accagtaagt	cttagataaa	240
ctaagcatgc	ttatgaatta	tgtatacagt	tagaatgcat	tatttttaca	gaggaacaat	300

<210> 2161

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2161

ggttcatgca	gtaagatttg	ttgtttattt	gtaaatagaa	tggtattcta	tttcaaactt	60
ttaagacaaa	cctgttgccg	caaggctgat	gcacattgga	tgatgactgt	tttctgggtc	120
cagatcttgt	ctttgtgata	taggagttat	ggaatgagcc	ctggacagga	tcctaagatc	180
cgggtttgtt	cctacttcta	ctcattaata	gcagtttgac	atttaataata	ggaataatgt	240
taacttgtca	cttaaaacaa	gattctcttc	atcttgtttt	caagatttca	agattctttt	300

<210> 2162

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2162

gttggccttt	tctcttcaga	tgtttacatg	caggaagtgc	ctttgataaa	gtatggtttg	60
ctaacaatgag	tatgatatgc	atgcgcattt	ttggatgcca	aacacatagg	cagatgaaac	120
taagaagcca	gatgctaaga	tagttgttga	tgaattgaaa	ctagcctaac	tggtctccact	180
gttggagtca	tttgcataaa	ctactccaaa	cttttgtttg	gtctactgaa	aacattagtt	240
ggaaagggtac	agcgtaatt	taaggcaggg	aagcctccag	cacgtgagag	tcgtgtctct	300

<210> 2163

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2163

gagagaacta	gcctggatga	gaggtgactg	agaataacaa	ctaatttttg	tgtctgaaag	60
gctgccatgg	caagagaatc	tttgttccat	gttattctgt	aatgcaggaa	tgagacaacc	120
tcatagaagc	tcttgagtga	cagatttcag	cacgattcag	ggagagcttg	attggcaaga	180
atctcagtta	cttttgtcat	tagtttcaat	ctgctgcctt	gcaaaacccc	tccaaacggg	240
aaataagctc	ctcggactga	gtttccatta	ttctccttta	tccagagggc	tcgtcgggtg	300

<210> 2164

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2164

gtggggacga	gccctcccca	tcctgagtc	acagggagat	ccacagctca	eggagcctgg	60
cgcgggaccc	ctcccacccc	tgcttgccg	gcccctgcac	atntagata	tgctcctggg	120
tggggactgg	gctgtgccc	ggcctctgt	ccccaggat	gtcttggtg	gcgggtcggc	180
cgttctgccc	cccagggcac	cccctgttg	aggcactggc	tagggagggg	caggcctcct	240
tcctgcccct	cgagacactc	ttgggagatg	cattttccgt	ctggctcaca	gggggagggg	300

<210> 2165

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2165

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tgctatctaa	tgtctcatta	agacttgcat	ataatgtatc	ttaagtacag	tcattaaata	120
tagtttaggg	agatttatgt	tcagatattg	cttaaagatg	ttttaatagg	cccatttact	180
ctgatgatat	taatgagctc	ttaatacaga	ctaagcttct	aaaactagt	gtaaagactc	240
ccagcctgaa	cacaacaact	tggaattaat	gcctggtttg	gacagatgcc	tgaggggtgag	300

<210> 2166

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2166

gagaaaagct	ctcaggtaat	ctgtatggct	tataagggaa	acctgcagtc	ctttctgaaa	60
ggggagctgt	gaatatgact	gctttgtaga	aagatgtctt	aggattctgg	gtgaaaattt	120
ttaattcccc	tcatgtagga	atgtcacaga	gtgtaccttt	ttgacttagt	attttcctag	180
taaaatacac	ctttcttaag	aaaatggcta	caaagtcaga	tgcatgtaaa	tgctttcagc	240
aagggtttat	tgatcatctg	ctttaggctg	ggctctatgt	taggtgcctg	tggaattccat	300

<210> 2167

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 2167

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aatgtctgtc	ctcctagcca	aagaaagggt	gctgcttgca	gagaagatgg	gccatctttg	120
ccgtgatgac	tcagtggaag	gcctgcgttt	ttacccaaat	ttatttatga	cacagagcta	180
aggggtttgt	atttaaaatc	ctttttgtcc	atatgcttgc	gtcatgtana	ggttgatga	240
cattnngcta	aganattanc	cccgatcaat	tgagaattta	ttggaacttn	cngtgcaatg	300

<210> 2168

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2168

atttaattctt	ccataagatc	tttcctcagt	gtcttttact	tcttctcctg	ccatcagatt	60
cttaccttga	ttgaaaagcc	atgttaagt	caaggcaa	tctttacgtc	tttatacaga	120

gattaacaat	ctctgggtga	tgggagcgtt	aagtgattta	gctttgtcac	tagtagatgt	180
gtgaggttag	aaaagttgct	gtcctttttg	ggctcagtc	cctcagctct	gcaattacag	240
gcagtcttca	ttatttggtg	caaattctat	gtaaaattga	taacacatat	ccagattaaa	300

<210> 2169

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2169

aaggaacatt	tcaaactttg	acagattcag	aaggaatgat	atgatgagcg	ccatgttccc	60
ttcaccata	gtgttctgca	tttgccagt	cctatttcct	ctgcgcccc	agctgggcca	120
tgtaaatgtg	ctcccagctg	tcacatcagg	ccactgatag	acgccacagt	gtgggatgct	180
actttcaaat	gatatgttct	tgtttacaag	tcagtttcat	agtattatga	tgtaagaga	240
tttcatttca	gaggtagcta	agtttgaaca	ccagctctgt	ctttgaccag	ctgttttagga	300

<210> 2170

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2170

gccacatagc	aatggagaac	tgaggactc	aggtccactt	gcccagcagc	tggcagggaa	60
gggccatgag	gcagtagagt	ccctacaggc	caagaaactg	agcagaaccc	atgcctccag	120
ctcaccagct	gcattgaagc	ccccagctgg	cagggagact	gctgtgaatg	gacaggggtga	180
gctcatcccc	ttgaagaaca	ttgagggaga	attgtcaagt	gctattcaca	tgaccaagga	240
tgccaccaag	gaggctctac	atgccaccat	ggacctcacc	aaggaagctg	tgtccctgac	300

<210> 2171

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2171

gccacatagc	aatggagaac	tgaggactc	aggtccactt	gcccagcagc	tggcagggaa	60
gggccatgag	gcagtagagt	ccctacaggc	caagaaactg	agcagaaccc	atgcctccag	120
ctcaccagct	gcattgaagc	ccccagctgg	cagggagact	gctgtgaatg	gacaggggtga	180
gctcatcccc	ttgaagaaca	ttgagggaga	attgtcaagt	gctattcaca	tgaccaagga	240
tgccaccaag	gaggctctac	atgccaccat	ggacctcacc	aaggaagctg	tgtccctgac	300

<210> 2172

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2172

attccagcaa	ccatcacaaa	taacagaaag	cactattcat	gaaatcccaa	caaaagacac	60
gccaaagtcc	catataacag	gtgcagggca	tgcttcattt	accattgaat	ttgatgacag	120
taccccagg	aaggtaacta	ttagagacca	tgtgacaaag	tttacttctg	atcagcgcca	180
caagtccaag	aagtcttctc	ctggaactca	agacttgctg	gggattcaaa	caggaatgat	240
ggcaccggaa	aacaaagtgt	ctgactggct	agcacaaaac	aacctcctc	aaatgctatg	300

<210> 2173

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2173

attatacagt	tccccacatt	gaagttggga	agaagatata	tggagagcag	ttgaagacat	60
aaggggctct	ggggaacagc	atagttttgc	tttaattctc	cagcttggtc	tcagtaaggg	120
tggaaggaga	aagagaggaa	gtatcgattt	tacagacgtc	acatcgact	gctaagaaca	180
gacagaaaac	ttgttgtaat	aacccgtaca	cactgtagga	gaactaagga	ggccctggt	240
gtagcaatca	ttttcccaag	gatgacggat	tgtgaggcag	gaaggtgtga	aaagaggcag	300

<210> 2174

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2174

gttagaagtt	caatgtgagt	ttagtgattc	ccagggaaga	cttagggaac	cttggtttct	60
gagttgtgct	ctcctctgac	tacgtgggtg	gtcttagtct	ctggagtcag	ccagatccag	120
atcttagtct	catggagtta	gccatgatca	ttttaaaact	ataattatta	aagtgctatg	180
atgtacaaag	gtgcttatga	aactaaaatt	tgaggaatta	gatacaatga	ctatgcggtt	240
ttgcttttta	gtaactgttt	ctcattactt	cattgatcca	aagtgagatt	tttaaagcta	300

<210> 2175

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2175

ctccgttgaa	cgaagccagt	tgtgtaggg	cagtgccatt	ttctgtcacg	atccagcagg	60
ggctccacct	gcttttgaaa	actctccagt	ggaaacatct	actaactctg	acctaaatca	120
gtagctgctc	aaaatctaca	gactactggc	ttaaaacctt	ggtaagtgcc	caggggtgag	180
tgaaagttct	caataaacgc	cggctgggtg	cgctgctgct	actataagca	acgttaggag	240
agcctgggtc	ggctgacacc	tgcaatagaa	acctgtacgc	aacaagttgg	atgtcacatc	300

<210> 2176

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2176

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gattttttatt	tttggttttg	cttaaacata	tagtttgtct	agaagtttaa	aaagctaaaa	120
gttaaaaaatg	gtgtaattat	gaaaatctaa	cactcaagat	agtttctaaa	aggaaatcag	180
tagttaagga	tacctgattt	caaaaatatt	aaagcataac	ctaactgatg	gtaggatgat	240
tgtatcttga	atatgtggta	gggccacatc	tattgtagga	aaaccttgct	tttatcatct	300

<210> 2177

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2177

gacaagcgct	ggagccgcag	ccctcagact	ggcacgggaa	cgccagcggt	gggtgttcag	60
attccacgcg	tatgtctggg	ctcactcaca	gcatggccga	gtgtctgcag	tgctggtcct	120
gacccttcca	gagcagcagt	ggacagatga	gataagactg	tttcagaaac	aaagatggcc	180
acagccttcc	taacaagcag	gtcatctggc	catgtctgta	ttgttaactgg	taaaaggctt	240
caagtcagat	tgatgatcaa	gataagtcaa	aaccccagcc	caagattggg	aaagcagggtg	300

<210> 2178

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2178
 gaagggtaaa gtttccattt ggggcctctg gctcttgaa aagggcagtg tctctaaacc 60
 caggcaaacg gtaaatgtgg ggcataaggca agaggggtccg ggtagtggcc acttccccat 120
 catgctcggt tctcatTTTtg tgTTTTTtag tagaaaaaca cagtgtgttc ttttgcccag 180
 acattaatct ttagaatgcc tgtattttct aatgttggga tttctttcac aaccaccac 240
 cttaatatTTT ccattgtgac tcagaaaatc agacttcatt cgattcttta gagaactata 300

<210> 2179
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2179
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 tcgaagggga ttttgctcat attaaggggt gctttaggga tgtccaggaa gggtcaggta 120
 aggaatcttt caatctgctt tctaattggc ttagttttcc cactgtcttc gcaaaaggac 180
 aggaattttc aggttagttt gcagcttgtc tttcatcaag cgaaatgtc atgctgttgg 240
 gtagatggta atagaaacct tttgctacct ttatttatca agagttgtgg agccgaggaa 300

<210> 2180
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2180
 aacaaatcca tcttgaatga acggaggaaa agggccagcg agaccacaca gcacatcaat 60
 gccatcaagc gggagattga tgtgaccaag gaggccctga atttccagaa gtcactacgg 120
 gagaagcaag gcaagtacga aaacaagggg ctgatgatca tcatgagga agaattcctg 180
 ctgatcctca agctcaaaga cctcaagaag cagtaccgca gcgagtacca ggacctgcgt 240
 gacctcaggg ctgagatcca gtattgccag cacctagtgg atcagtgtcg ccaccgcctg 300

<210> 2181
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2181
 ctgtgatggg tccccagctg cggagggaaa acagccttct cctgtggaat gtctttgact 60
 tgaacacccc agtccacacc ttcgtggggc atgatgatgt ggtcctggag ttccagtggg 120
 ggaagcagaa ggaaggtgag tgggagaggc ctgctgcca ctttcttct gagctctggg 180
 gacagcgggt ccagtcagtg ttgccatgga gtccagtaaa gaagacatag agagagctgg 240
 gctttaggaa ccagagagcc agggctgttg ccacctttcg tcataggtga gtaaaggagc 300

<210> 2182
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2182
 tggaagctct caggccaagg tgattgacag agatggTTTT gaagtaatgg aatgtataaa 60
 aggagaccag tatattgtgg acatggccaa caccaagggt catacagcaa tgcttcatac 120
 tggctcatgg catcccaaaa taaagggaga atttatgact tgctcaaatg atgcgactgt 180

gaggacgtgg gaagttgaaa atccaaagaa gcaaaaaagt gtgttttaaac cacggacgat 240
gcaaggcaaaa aaagtcattc ccactacgtg cacatatagt agagatggaa acctcatagc 300

<210> 2183

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2183

gggcatattt taactgtaat cttcaggaat gacttttctc ctgaaagtag gaattctctt 60
tctgctgtta agtgacagca tgtgctggag acattggaga aattaccag tcatgctaag 120
cagagatctg gaggtcatcc atggatgcag ccagattctt tctagagcta caaaactgac 180
tttctaaaaa gtcagcaaca cagcgtgaa gaacatttat tgctacacct tattttaaaa 240
ttggattcaa tatcatccaa tctagtagtt ctcaatattt ctacaaaata gaatcactta 300

<210> 2184

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2184

aaaaaaacaa aaaaaaaccc tgttttcagt gttatgggag agaaatgaac aatgggaaac 60
aaccgaggaa agctggagca ggttacgtat aaaaataaag tccattcacc aaaaaaggca 120
ttacttacga gttaccaggg gtgagagata ggatgctgaa gtggtctaga aattaagcta 180
cccagtatgg aagggtgac aattcagtga tcgagagcag tgccttagaa cagccaaaac 240
aatagcaaac tgagatctgc agaattaact ctcctgaaaa taacaaggag gtactcattt 300

<210> 2185

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2185

cccgcagtaa ctctgctttg ttccatgttc acctgactcc caggctagta cttattccag 60
aggagagcct cactgtaact cagctcacca ctggcatctc ctgcaattgt ttaccatgt 120
tcctgaccca gaatgcctgg cagaggcccg ggagcccata aagcaggat tcatcttgtc 180
tcctgaccag ggacacaaaa ggettccttt gtcctcttat atcttatagc ttttttgggt 240
tttggtcttt gcaaggcgaa tcctgccatc tcctctgtag attaagtctg tgaatagggg 300

<210> 2186

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2186

agaaagaaaa agaaaaaagc catatggcat agaaaaaaa aattctgtct ttggaggaaa 60
aaggaaaaaa gtcccagggt tgaagccagt tgtggcctct tactaggat attattgagt 120
ctttcagctc tgtttcaaaa tctagaaaat gagttcagta ttacctgttt aaatttgtga 180
ataacgcatt gatgtacacc ctggattccc taaaactgtc ttaactgcgt gagtccagt 240
gactcagtgc atgagtctaa atccttagac ttctatcaga cttctctccc tagcagtttc 300

<210> 2187

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2187

gatacagaaa	agaggcccca	acattaagaa	tttctaaact	ttattctttt	tgttatcggt	60
tgctctctgg	tagtgatcag	tggtcagtct	ttgaaaagaa	aggacctatg	aactcaactt	120
tagttacagc	aaagaaatga	gtaggagacg	gagggaaatg	ccagcagcca	ttgaagaggg	180
agagcaggct	gggccaaggg	gggacccagt	attggcagaa	aggaaagctc	aggggtgtcaa	240
gtgggcctga	gaagggatca	tctggctgaa	caagagaggt	ccacatgtag	ctctcagcac	300

<210> 2188

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2188

ataacctagg	tcttagaagg	ataggaacaa	caaacatcat	gatcttacac	acctgcactt	60
tctagcacca	gctcctggag	aaaaatcgag	aggctgaatg	gtgtctgtta	acagattata	120
gtcagtgagg	cctctttcct	cagatgttgt	atcttatcaa	tggcagacat	tttcaacctg	180
aaagacacat	gctcattaca	agacttagta	gtgctctaac	cctgttttca	cttatcagtc	240
caagacgtag	ccgacatcaa	agtattcagc	ttattacaga	attgacttcc	tcaaagtttc	300

<210> 2189

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2189

aaactgttta	aatttttaag	gggtgtattg	gtgtatgtca	ctgaaaattc	cacaggtaca	60
gtgggcttca	ggcatggttt	gattgggatg	ccagctccgt	tttgctgaga	ttccattggt	120
tctgctttct	accgtgtttc	agcccggttt	aggtggcaaa	acagtgggtg	aaatgttagg	180
cttcacatca	ccgtaccaca	tagacaaaaa	tgagagctaa	tatccaggat	gagaatgaac	240
agctcttcta	atcaggctgt	cataaaaata	aggaagctta	ttttatagaa	gcctttacca	300

<210> 2190

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (300)

<223> n = A,T,C or G

<400> 2190

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tgctctttgg	caggtctgat	cagtaaagat	gccataaacc	ttaaagccga	agcactgctc	120
cccactcagg	aaccgcttaa	ggcttcttgt	agtacaaaca	tcaataatca	ggaaagtcag	180
gaactttctg	aatccctgaa	agatagtgcc	accagcaaaa	cttttgaaaa	gaatgttgta	240
cggcagaata	aagaaagcat	attggaaaag	ttctcagtag	gaanagaaat	cattaatttg	300

<210> 2191

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2191

ctggaatggg	atgactgagg	ctcccatcgc	tgtctttatc	tcagaccttg	ggtttaagta	60
actttctgaa	aaccacagtc	ccaccacagc	acagaagcca	gtggggtgac	acgaggagca	120

ggcctggggtt	cccccggttg	cctgggtcca	agaggggccc	gtcgtcctgt	gctctggggt	180
ggccttggga	ttaggagagc	ccagctaaac	aaccttccca	tcaggctcct	ggtcacagca	240
cgaggcttta	acgtcagccg	agcctggcaa	agaaagtgtc	atattatggg	gcttttaggat	300

<210> 2192

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2192

cttccaccag	gtactgagta	gatagatgca	ggccccaga	ggaagctgga	ggctggagat	60
catgaacaag	ctcatttccc	ataggagggtg	gggagggcag	cctgaagggtt	actctgcagt	120
tctcttcggc	agaatcgga	gcagcaggct	ggcatttgtg	catgagctaa	gtgaggacaa	180
ggagtctagg	ttttcagcca	ctgcacacag	gctctgtggc	ctgcgaccgg	tcctatcctg	240
cttgatgaac	taccaggagt	gagagctgct	ttctgttttg	gtagtgggtt	cctcacattt	300

<210> 2193

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2193

ggcagctggt	gagtggctct	ctgcgcacag	tggtcgggac	taccccgctc	cccatggcct	60
gcccagcgct	gagtgaagc	cagcccaagt	tcggccactt	cctcgagttc	atggatgagt	120
tctgccagga	gccacagcc	agtgactcac	aaggctagag	ctgtgcatgg	gggctgtgtg	180
caccacccgg	cctgtgcccc	agctctcccc	gagggtctctg	tgccctggac	cgcacctcaa	240
ggttgaccag	ccggccacag	gcctcagagc	tcagctgggc	cccacttgct	ggccacaagg	300

<210> 2194

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2194

ggaaaaggca	tttatgtctt	ggtagaacct	atgtttgggc	aagtaaccgg	gacttgggcg	60
gcatgagctc	cagggctgtg	aaccagagtc	ataccctggc	aacagccatc	aacactgaag	120
aggacctggg	gccttgacgc	agagcttgtg	gctgcgggtg	ccattttaga	tgatgtcatt	180
cagctccctg	gccatgccct	gcttcccacc	cacctcacat	tggtggctgc	tcttttttct	240
ttgactagaa	tcaaaccaaa	caaggctcta	taaataacct	tcagggatct	tcaaaaagat	300

<210> 2195

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2195

ataacttcta	aggaaacaaa	ccaccctcac	atgcactatc	tcatttgtat	ttctgtcaat	60
tctgaaaggc	cagcatttgg	ccagtattat	ttgaatctgt	attgtatttt	ttaaccagaa	120
gaatgaaggc	ttatagcttc	attcttttgg	aagaggaggc	tggagaccac	aggttaaatg	180
caggtgcac	gctcttggcc	ggccctggaa	gggtcctttc	tcctctcttt	tacactcgca	240
gacaagcttg	tggatgctca	ataaggacag	ctgccgtttg	gacagagatt	aatcatttat	300

<210> 2196

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2196

ctcctatgcc	ccaaccattg	ggtcattggga	tcccagcatc	cagatcctgg	atcctagact	60
cctatgcccc	aacctgtggg	tcatgcgac	cccacccttc	agccactaga	tcccagatcc	120
ccctgtaacc	ataactgtgg	atcccttact	tcagcaactc	aagtctgcta	ccctaaccac	180
aagattcaag	attatccaca	cccagccct	taatcccat	cccccaaata	actggatcct	240
gcagccccac	atcctaaggt	ggatcccacg	cttccctgtg	ccccctactg	gatcctggac	300

<210> 2197

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2197

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gattgacagt	gagatttcaa	atgggttaaa	gattgctctg	caaagaggtt	aactgttgag	120
attgatacag	gctatcttca	acatatgtac	attgctgtat	atgacattta	cctaccattg	180
tgcattctggg	acttcctgat	ggaccacagg	aattcccttt	tcttccatt	ctctccaga	240
tctttcttct	acttgaaacc	ccttatctac	aaaaatgaat	aaacaaccca	atctcatttc	300

<210> 2198

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2198

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ggagacgaag	gttgacagtga	cccagatcg	taccactgca	ctccatcctg	agtgacagag	120
cgaaactcca	tcttggggga	ggaaaaaaaa	gaaagtaata	gggaggcaaa	tcagaatttg	180
tgtgggagta	cccctagtt	ctggctcttg	ttagtatact	caacctgtca	ggctattctg	240
agagcgaaag	ctcctgcttt	gggctagttt	ccattcagaa	tggtttttga	taggtatgaa	300

<210> 2199

<211> 300

<212> DNA

<213> Homo sapiens

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<221> misc_feature

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<223> n = A,T,C or G

<400> 2199

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ttgttgataa	cctctcaata	atgtttgggt	tacatgccag	taattaaatt	aattcaacat	120
gaagttgaat	ttgatgaagt	ggcatctat	ccaagtattt	ggcttttggt	ttgttttgat	180
ttgttttttg	agttggagtc	tcgccctgtc	acacaggctg	gagtcagcg	gtgcaatctt	240
ggctcactgc	aacctccgtc	acctgggctg	gagcaattcc	cctgcctcag	cctnccaagt	300

<210> 2200

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2200

ttttaccctc	ctataatgca	ttttcttttg	atattctcct	agattctcag	ggatattttc	60
atattttact	attcatgagt	ttagaagagt	gtttactttc	ctgagttttc	atttccttct	120

ttttcttctg	tcataggtaa	tttacagagc	aaatagccac	cagagaggat	accgtaaggg	180
atgtggaaaa	tgagttcctt	tgcgcttata	cagttagggt	gattttcagt	caatgagcat	240
tcagtatatg	cctgggactc	tggttttatt	ttttagcttt	gtgatgccaa	acccatcaat	300

<210> 2201
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2201						
aattccgttg	ctgtcgcaaa	aacagggggc	cacagaagaa	cctgaaaaag	cagatcgggg	60
gaggagagct	gcaatgatct	aaaaatatgt	atatgagcac	tggtgtccaa	ggctgtggaa	120
gatccaatat	ggagatacag	aaaagggcac	ggagcttggc	aaagagaggt	gattgacttt	180
tgaagaacag	aagccaggct	aggatgggag	aagcatgaat	gaatggatga	tgaggagcag	240
ggcccaccct	gggctaaatt	gcaaagcagt	gcatgtggag	gccccctttt	cccttgtggc	300

<210> 2202
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2202						
acattgttta	aggggaaagc	tgctgtgaga	atattgacag	taggcataaa	cagtgatata	60
ttttactcac	aggtattttg	ggggttgctt	tcattttctt	cagatcagtg	ccacttctgt	120
gctaacggta	agagatagat	agacagatag	gcaatgaagt	gttcacttaa	ttaccttggt	180
tttttagttta	ctaattatta	cattcatcgt	ttttgtgatc	acaaaaacac	aaagaaggag	240
gtctgcctgg	atgggattac	aaagatttag	ccagtttctt	ggtatataac	agaaggtagc	300

<210> 2203
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2203						
gttgctgtta	agaaacaagt	ggtaatttct	tttaagggtga	tcatttcagt	ttcctatggg	60
atggatgcat	gtagaccttt	taagaacagt	taatgaagtt	taatctgctt	atgtggagga	120
gaagggtatga	tggaaaggct	tctggcatgc	aacgggagcc	gccctgcttt	cccccgatgt	180
gtctattagg	acatttctgt	gacactgcct	ggcgtctgca	acctgctacg	ttgctcactg	240
atggaaggaa	gaggcctggc	cgtggtagtg	gaaagctgag	ctctgttggt	atatgagagt	300

<210> 2204
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2204						
gcaacaaaag	catacaagat	ctcataaagg	aagtggagga	gctgcagggg	cgaccgggag	60
ctttcccagt	aagcatcagt	tcagaaacaa	atttaagtaa	agaaatggaa	tctgtaatga	120
aagatataaa	aaataccact	cagaagaaat	atagagacta	tagcaagacc	ccgggctcac	180
cagacaatga	ttttctcttt	atgtactctg	ttgctagaac	caatttagaa	cttgaattga	240
ttcatcgagg	aggcaatttg	tggtcagggt	gtgcaagcac	agctggcaaa	aggtcttggt	300

<210> 2205
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2205

acggagagga	agaattcttt	gatgccgtca	caggctttga	ttctgataac	tcttctgggg	60
aattttcaga	ggcaaatcag	aaagtcacgg	gaatgattga	cttagacacc	agcaaaaata	120
ataggattgg	gaaaactggg	gagaggccct	ctcaagagaa	cgggaattcag	aaacacagga	180
catcgctgcc	ggctcccatg	ttcagcagaa	gogacttcag	cgtgtggacc	atcctgaaga	240
agtgtgttgg	cctggagctg	tccaagatca	cgatgccaat	cgccttcaac	gagcctctga	300

<210> 2206

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2206

ctctcatgtg	gcagaaaaat	gatttccaat	attcagcact	cacctctctc	cccaagaaaa	60
acatgtcaaa	tgcaagactg	tgtgctctta	atgacatcta	tattaaggga	tctgaatttt	120
ccatcataaa	tgaacatggg	agcttaccaa	atatcttctg	ataagtcatt	cagtgtctcag	180
gttctatgtt	ttttctcctg	tagaagagtg	aagaaactac	acatcaccaa	aatattgtaa	240
ggctaagtaa	taataacggg	gactgggaaa	atgggaaatg	agatagcgtc	aaacgtttgt	300

<210> 2207

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2207

ctgagatgct	gacaaccact	gcaggcacca	tgaattttta	atgtggtggt	gattagaagg	60
ctggctaggg	cctcatttcg	tttcattgga	ctgctgtgac	acttgtttcc	ttcatgggat	120
ttagacttcc	tgggttatatt	cccaatccag	actcatgttc	tgtttcatga	gtgccatttg	180
cacccatgca	cttattgagg	tgtgtttgaa	agcagaattt	aaaaatttga	tctcagttat	240
tgaacatcct	acgctatttc	agaaagggat	gcttcttaaa	ttcctgaaaa	ggaattcaat	300

<210> 2208

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2208

ccccttttca	ctttgccagt	tggacttatg	tctttattgg	tcattcaagt	ggggcaaagg	60
aaatatcctt	ttaaaactca	ggcaaaactg	gtgtttgtct	gtatcctgtc	agaggaaaca	120
aattgaaata	gatttactgg	aaagtcttac	acagttagtt	actaagcggg	ttgtttgttt	180
tgtttcgaga	cggagtcttg	ctctgtcgcc	ctggctggag	tgcatgtgtg	ggatctctgc	240
tctctgcaag	ctccacctcc	tgggttcacg	ccattctcct	gcctcagcct	ctggggtagc	300

<210> 2209

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2209

gaaaagaaaa	aaaaagaatt	taaaattctg	ttttagtggg	gtcatttgaa	cttaagtcta	60
agtttataac	aacactggct	tccacagcac	aggaggtgag	catgtgttaa	tatttaagat	120
tggcataact	cccttttaggt	gcaagtgttc	aggccaaaat	gttcctgagg	cattttgatt	180
cctcctcctg	ctgcccactc	ataccaagcc	cagaaactgt	ctggaatata	ttttagtctc	240
ctgaatgaca	ccaagaagta	gaacagtctt	ttcaaaaatg	tattttaaaa	ataagctgaa	300

<210> 2210

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2210
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 ttggtgggtgc tttttgggat cactgctggg gccaccgggg ccaagctagg ctcggtatgag 120
 aaggagtga tcctgctgtt ctggaaagtc gtggatctgg ccaacaagaa ggtgggacag 180
 ttgcacgaag tgctagttag accggatcag ttggaactga cggaggactg caaagaagaa 240
 actaaaatag acgtcgaaag cctgtcctcg gcgtcgagc tggaccaagc cctccgacag 300

<210> 2211
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2211
 tgcttcaga gcatttgcca ggacttaggg atatagtgg agcagaaggc agataaagtt 60
 ccagttcact cacaggagt catattctga tggaggagac agaaaataag ctatagcata 120
 tctgtgcttt gtgaatttgt cattgctgcc tttcccggt gccttttttt tacatctgta 180
 tttctgtcat ctctgtccta cctggctcat caggagggtg cagaaggctg aagaaagcaa 240
 agtccttgag gactcactgg aggaatgtgc catcacttgt tcaaatagcc acggcccttg 300

<210> 2212
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2212
 cctagtagta cctgacctc caggagcccc tgagctctgg gaaagccttt ctgatgatct 60
 caagcttgca gattctgtcc ctgttctgac cgggggtcac agcctagtgg tagaacagga 120
 cctctgcta agatgctgga aggacccttt gggggagctg aggcctggct cccctctccc 180
 caggcgcagg tgcacaggcg tgtgggctgt ctgcaagcac agatcctgcc tcacagcacc 240
 attaccacaa taactgaatc tgtgtttcct ggctgctgtt aattgtgcta gagatttggg 300

<210> 2213
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2213
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 actagtcggg ctttgacac agcgaacttct ccgtaaatgt tgactgcagg gcagaaagaa 120
 aggctaaaag ttcttaggag aatgtttgcc tttgcatgta tatgctggcg atgctaataa 180
 gtcccagcta gacctggcag tgagtaagtt cagggggtggc aatttaattt tcttgctatt 240
 agtaaaacaa acagtaggtg ggatgggtgg taagcttaaa tatctctgac gcgccattta 300

<210> 2214
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2214
 atgaatgtgg aacttttatt tttatccatt attttcaa at tggatcaatg tctcctgat 60
 ctattagatc taagacctaa gaggaacct ccttgttttg gctagcgggt acagactttc 120
 ttactaaaag gtgggtgtat ttcctagaat agcattttct gttgagtaga gatgatattc 180

agcaatgtgg ctggtcactt agcttcaaag taattattga gtgtgaaagt aagcagttgt 240
aatacttttt aaccactgtc tgtgttctta ccaaattgaa aacaacactc gtcttgaaac 300

<210> 2215

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2215

gggatggacc acacagtctc ttggaatggt gacctgtggc agtgacgaaa gaagagactc 60
tcccggccga ggccccagt catggagaga aggaagaaat caatttccta attggtacca 120
tatacatcag atggatgggt tctagtgtgc ttccaaaccc cacctcggct gagtgttggg 180
cagcacttct acatgatcct atgactcttg atatggacgc agtctgtca gactttgttc 240
ggtccacggg ggcagaacct ggtctggcca gagacctgct ggaagcaatg ttcacagcat 300

<210> 2216

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2216

gcattaggca gtgttgcaag tacatatcgg aatctctttg gctggctcta agaaagagtt 60
tgaacttatt tacctcctta gccctatgta acaggtaaga aactaaaagg tacagaaaat 120
agagatgttt gatttttcta agttgcccc agetaccgtt tttaaaaacg cctgcaagca 180
tgtctaaaac aggagcctgt tagctacagt tgccaaaccg gtttaacagc actgcctcca 240
tgtattctgg gtaagaagga gctccgagta cataaattta tcaaagatca ctatcccaat 300

<210> 2217

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2217

ctctgaagca gttttcccta cgagtggaga ttttgccatc ctacattcca gtgagggttg 60
ctgaaaaaat cctatttggt ggagaatctg tccagatgtt tgagaatcaa aatgtgaacc 120
tgactagaaa aggatccatt ttgaaaaacc aggaagacac ttttgctgca gagctgcacc 180
gtctcaagca gcagccactc ttcagcttgg tggactttga acaggtggtg gatcgcatc 240
gcagcactgt ggctgagcat ctctggaagt tgatggtaga agaatccgat ttactgggtc 300

<210> 2218

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2218

gaaaaagaga tgggtcaggg aggaaagcca agatggaaaa tggatgggaa tgaatgagga 60
acatgatgtg ggttggggtg tcaattcatg gttaatacaa catgtgtggc tcagtataac 120
cagattgtca taagaagctc aggcagctct cccctctgtg tgcctggggc ttttcgcagt 180
tacaataaaa gtggaaagat gaagaataag ggcaagcaga agacacacac atttgctgt 240
ttccctcttt ttgtccagat tgagtagatg ggaggcaggg ctgttaccca tgatggtgtt 300

<210> 2219

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2219

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agatttttgcc	atcctacatt	ccagtgaggg	ttgctgaaaa	aatcctattt	gttggagaat	120
ctgtccagat	gtttgagaat	caaaatgtga	acctgactag	aaaaggatcc	attttgaaaa	180
accaggaaga	cacttttgc	gcagagctgc	accgtctcaa	gcagcagcca	ctcttcagct	240
tggtaggactt	tgaacagggtg	gtggatcgca	ttcgcagcac	tgtggctgag	catctctgga	300

<210> 2220

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2220

ctcatgaaga	cacccatgca	agtgggtgtg	agaaagagga	ctccccata	ccttgctcca	60
gcacggacct	tgctccagca	ccggccctgc	tcagccagat	tttcagaacg	agagggatat	120
tcttatctgt	ggcaaagaat	attctctata	ttctgtatac	atcatttgag	acttaaatgg	180
gtttcaacag	atccattctt	tttgtagatg	taggaaagt	tgacatatga	ttgttctttg	240
cctaaatagcc	acgttcgcgg	gattcctttt	gatggaaatt	atttattagg	acttaaaaaa	300

<210> 2221

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2221

actggcattc	tgctgttctc	aggaggctcc	gctttgatgg	atggctgggc	agcctgtgct	60
gcattggacca	ccagtgggtt	ttgaggtggt	gaagtgtgtc	cccgttaact	ccactctggg	120
cagtgaactg	aagaggagc	aaagcccagg	aaatgggcct	tcgtggcagt	ggtggaggta	180
gagtgaacca	cagcaaacct	ccccacttgt	ccctgaccat	tcagtagttc	cagaggcagt	240
gagcttgaa	tcttagcaag	agagatcttg	gggtgggggtg	tggactttcc	acaaaggcat	300

<210> 2222

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2222

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gattgtgtct	ctgtctttcc	ctctgtcagt	gcagccagct	tattaaggcc	ctaggtgagc	120
tcccagcttt	cattgttacc	actgactaaa	acccttgcc	gttgatattt	gctgagtgtg	180
gaagaattta	agctaagtga	gaaggagttc	acaaaatttt	acaaggctta	aaaacagtta	240
gaatataaac	aagtgatccc	aaggaaggaa	caggatatgg	tttattcagc	tagtctcaaa	300

<210> 2223

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2223

agaagatgac	cgagagactc	ttgtcagcca	atgcagggac	acactctgtg	ttaccaagaa	60
ctggctgtct	gcagatacta	aagaagagcg	ggatctctgg	atgcaaaaac	tcaatcaagt	120
tcttgggtgat	attcgctctc	ggcaacctga	tgcttgcctac	aaacctattg	gaaagcctta	180
aaccgggaaa	tttccatgct	atctagaggt	ttttgatgtc	atcttaagaa	acacacttaa	240
gagcatcaga	tttactgatt	gcattgtatg	ctttaagtac	gaaaggggtt	gtgccaatat	300

<210> 2224

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2224
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 gtggattcag ggtaaaacttc tcagactgtg agcctgagag ttcctctcta ggaggctcca 120
 caccattctg cctgctagat cggggccaga tgagatgaaa gtcaacgctt gagaaagaaa 180
 accaacatgc attaaactgaa acaccgtctt cacttgttca tccacagggg atagagcgag 240
 ttccaagaac caggctagga aatgacacgc taagtctctt atttctagca gctgccaaagg 300

<210> 2225
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2225
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 taagccagga atcaggaagg aactgcagat ttcttagaaa gttgtagtgc tctatgaggg 120
 cacttagcca gttgttttga ccgactaggc agataatcac actgagctga tacaatcgtg 180
 gtgctaaagt atcataatta ttaaaatatt agtcctatgt gttctcaaca catgtaaagg 240
 aagagtgacc agattgatct taatcagaaa tgtccagtta catgtcggcc gacagcattg 300

<210> 2226
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2226
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 taagctgaaa agtgacgtgg ttgaatttct gatttcagaa agatcactga tgtgatgaga 180
 atgaataact ctctggagtg ctaggatgtg ggggcaggga gctagcttag tatattattg 240
 caaaatcttg ccaaagatga gctgatcaaa tgagaggaag catgaactaa gaggggagca 300

<210> 2227
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2227
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 cttattttaa aaccttcact tggtttaact tagaaactca agaattataa actcaaattt 120
 atacttcttg atacacaaac ttaagaacta aagctatctt ctgactcttc tatttgaaaa 180
 ggtactaaca cttcttttccg tcagtctctc attcttcatt tttgttggtg tcctgtggaa 240
 tttttgtcta gtctagtaaa attaaattat tatcacttta atgttttgta gctctttttt 300

<210> 2228
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2228
 tagcgtttca gtctctcagg ccctggatgc tcgcctagaa gttggacttg aacagcaagc 60
 agaactgatg ttgaaaatga tgtctactct ggaggcagat tccattttac aggcattaac 120
 aaatacatct cctacattat cacagtctcc cactggaaca gatgattcac ttctaggggg 180

tttacaagca gcaaaccaaa ccagccagct tattatacag ttatcatctg tcccaatgtt	240
aaatgtttgt ttcaacaaac ttttttccat gcttcaagtc catcatgttc aggtatgact	300

<210> 2229
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2229	
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cagggtcaca cagcagggac tcaggaaaaa gaacaagatg agctgagtc tatggtgtgc	120
aggcgacgg ctcagtccac aggatcccg tctgccccag gtgctctcac ctccttaggc	180
ctgcctgggt catgggtggg gtggtcaata agatctttcc ttggctccag tctctgcctc	240
cagcctcctt gactagccca cctgcttacc tttgggtgga tcccagaaac ctacggtctc	300

<210> 2230
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2230	
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ctcagcttga cttcagggat ccaggagcca ccagccaccc tgtaaacagc ccagattaat	180
cctgggtttc agtgtcatgg gaggaaggaa ggatgacct gtaaagagca acttacttac	240
tttctttggg gtggttaactc attgctgaac tctggatggc actggtgcgt tcaaggcaat	300

<210> 2231
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2231	
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cttctgcact atcaagtgtc ttctacttcc tgcttaagtc tctgttctcc atttcattca	120
gacagaagtt tctattattg ttaaatttga actgtatcta tggtataata gtaatggtaa	180
ctcaatccaa aggacctaat aacaggaagt aacatgtctt acatatcagt ttatatttgt	240
ttttttgtag ggacatactg tgatcttggg atacttgtaa ttttttagtt tcctggtcgg	300

<210> 2232
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2232	
aggaggtgtt tgatttaaaa ggaaacacac cagttatgcc ttctttagg ggcagtgtgag	60
ccagtagagt ttgcagctgc atggagagat gaagcaaac tctgaacatt caactgcatt	120
aaaaaaaaat catgccaaga gggcctttga gcaagaaatt cttgcagatt tatgacaccc	180
gatgcctgaa ctctgtgtgt gacatcaggg ttatggtctt gtaagctctt aaccctgcag	240
ctgaccacgt cagcttctgg ctgtactagg ggttgatgcg gttcactgtg gttgtttgta	300

<210> 2233
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2233

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ctgatcaatg	ggacaggaca	gggagtctca	aaatagccat	aactgcatat	aaacatctag	120
tatatggtta	ccacagtatt	caattcaagg	gggcaaaata	gagacttttt	aataaatggt	180
gttggaataa	attatagtta	tttgttcaaa	gagttataat	tttatgcatt	ccttacacca	240
tgactagat	gatcctcaa	atggattaga	ctgaaatgga	aagaaaaaaa	gggtgaattc	300

<210> 2234

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2234

ggaaaacgga	aaaaactcaa	gagtgaaaac	taagtgggtgt	gtgaaaatgt	cattgtgcct	60
gggtggttga	agtcattaaa	gtcagagagc	caaaaatacc	taacagagtgt	gagcgaaaaa	120
agagccggac	agaacagtga	gaataatata	tactgatgt	aaaaacaact	catatgatgc	180
ttgtaaatgt	ggaaactata	actatccctg	gaggggtata	gagatgagtt	caattaggag	240
ggaaactgag	tgacaggagg	acaaaattgg	aaggagagatt	tttactgtat	aactttgtat	300

<210> 2235

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2235

gagaagcaga	gggacaaggt	gtcatccaag	tgacctacct	gcctcagcct	cccaaaattc	60
tcggactaca	ggcatgagcc	actgtgcccg	gcctgttatt	gttgtgttgt	cctgtcttta	120
tggtgcttct	ttttctttat	ttgtaatagt	ttccctccc	actcccactg	ttttcttaac	180
atgggaaac	ttttttttta	attgttccca	gtgaatgtgt	tctcttccca	tgttgactcc	240
attcacttgc	catgaattga	cttagtgcca	gacctctgtg	ccttcttcat	gtaaccagct	300

<210> 2236

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2236

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ctttgcgtgt	cccctcagcg	ctgcagggcc	cactccttcc	tctgtcctgg	tctctgttta	120
gccagcgcac	ggtcaggag	gcatgggtgg	ccagcccgca	aggagccagg	cctcccagca	180
ccccttccct	tgtgtggcct	cctcccacat	gggatctcag	cgggtcctgg	cttcaactaa	240
acaggacgtg	gcaggcgtga	tgccctgcca	attccaggcc	taagccttga	cacagcctgg	300

<210> 2237

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2237

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aggagctttt	gaaaagggaag	ctggaacagc	aggagaaaag	aaaaggacat	acattccctg	120
ggaaaggccc	cggtaggtg	ctgcctcccg	gggacagagc	cgcagccaac	agcagccacg	180
ggaaggatgt	gtccagaccg	cctcatgcca	ggaaaactgg	gggcagctcc	cccagacca	240
agtatgacca	gccccctaag	tgtgacatct	caggcaagga	ggccatctct	gcctgtccc	300

<210> 2238

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2238
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 gacaaattct tactttatct gaatttagaa gtccttaaaa ttccattcaa attcaatttg 120
 tagggcattg aattagtggc atttttctct gataggtttt ctgtatctta tgagaaattt 180
 tactatacaa tcctcgtatg ttcataaggga gaactgatct gctttcacta aatccagagt 240
 atgccagaag atctgacat aagatactta atttctggta aaattgaaag tttttttgtt 300

<210> 2239
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2239
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 atggtgtaag cataaggatt tattgaatga agtatgaagt gtgggttttta tttgaagtca 120
 aatatttggc agttggtgtt catttattct ataaactttc aaaacagatg acaagtttta 180
 aggaaatggg gcctaatacc aaatttgggt gaattaatga attccaagat tctttctagc 240
 tttttctttt taaagacagg gtctcactct gttgcccagg ctggagtcca atggtgcaat 300

<210> 2240
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2240
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 tgatttccat ccaaggtaaa attctagaat ggattattaa aaggatctta accaaataga 120
 cttggaacaa taatcagggc atgtgcacgg tcctgtcttg gagtaaagaa aactatttgt 180
 acagaagagt agagacctaa tttagcattt tccggcaatt tgacattgct ctagaagttt 240
 atgagagaga aatgcagatt atgaaattat ttaaaaatat acctcagagg agcagggaat 300

<210> 2241
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2241
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 gagccgcaga gaagagcatt ggcaccaagg agcaagaggg cacccccagc gcctccacca 120
 agcacattct ggatgacatc agcaccatgt tgcacgccct ggctgaccag ctggacgcca 180
 tgctggactg agccctccag cagtgccac tgtgacctgc cgaagtccac tgcctttgcc 240
 ccagcacaga agaggccct gccaccctag ggacgggcca agggctggtc aggctgaagt 300

<210> 2242
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2242
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 ggctggtctt gaactcctgg ccctaatga tctgtctatc tcaatcacc aaagtgttgg 120
 gattacagat atgagccact gtgcctggcc tatttctgac ttttttctt tttgtatata 180

agaatatata	tttcgagaca	aattgtggat	tataaatgga	tgcttattta	tctcgactgc	240
ctttcagacc	tttttcccc	agccaaccag	tttttttctt	ctcaaagaag	acacaggtga	300

<210> 2243

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2243

atttcaacat	actgttgtct	aatcatcgtg	actcccccaa	tttctctttt	ttagaggaaa	60
gtattgtaca	gatgtatctt	gaagattata	atcttggttg	attattgcct	attctcactt	120
taggaataga	tggtgatagc	ttatgacttg	tggtgtataa	cgaggtagaa	atattgctgt	180
cttctctgac	atagcttctc	aaagagatca	ttaatgtatg	atatctaata	aaccatctaa	240
tgcatgtaac	agtgatcagc	aaattaataa	attagacctc	tattcatgct	taaattatca	300

<210> 2244

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2244

acactgttct	aaaggtgttg	tgtgaatttt	cttttttatt	tattaccaca	atactgtgaa	60
caaatacaaa	tatctttcca	gttagtgcac	tcctcaaata	tgaacttctg	gctgcaagga	120
aagctaggaa	tgattatggt	tttgtagta	aggaaaatta	tcaaaatgga	tattaggttg	180
gctactagca	gtcttggcct	catgctttca	gtaaatagtg	tgcacttcag	atcatgtggc	240
attggagaaa	ggaagaacat	gttaataata	taacatggtt	aggctcatgga	gtcttgatta	300

<210> 2245

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2245

gtgaaaggag	atgaggaaca	gtaagagatg	aggtcagaaa	atgtgtttta	ccaaactctt	60
tggagattag	cgtctgggga	ataaagaatg	agctggaggt	cttaaagtgc	tcgtgactgg	120
gacaaaaaca	gtggttgaga	acatgatggg	atctttccac	atgggttgta	ggaaagttgc	180
tatatttgag	actgtgaatg	tcagcaaagc	tgaggaacag	gaggtcttcc	atggagtaca	240
cagtgccta	gagcatcgtc	ctttgaaacc	cgtttccttt	tatatccgtc	catagaggcc	300

<210> 2246

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2246

ggggtgtaaa	gcatcattga	gataatatct	tagatattat	tgggtaatat	tttgttttat	60
aacagtgatt	cagtatatct	gaattatgga	ttatatggcc	atagaactac	aagcaaaaag	120
gatacacaaa	caaattttgt	agttaagaca	aatctgttgc	actaagatca	agaaatgtaa	180
tagatggagg	ccatgtagag	gttagaaatt	caaagaaatc	gaggtcaaaa	actggccaat	240
cataacggca	tagggattag	ttcctaaatt	tggtcacttg	agaataacag	tgtgaataga	300

<210> 2247

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2247

gggtgcttct	gtatatcctg	acaacagtgg	ccagccatta	aagagttttg	agtaggggaa	60
ctggatttgt	ggtttttagaa	agatcatttg	gcttctgtgt	gaaagaggcc	aaaaccagga	120
gcagaaagac	cagttaggaa	gctgtgacag	cagttgagag	acgatgttgt	caaagtctgc	180
agcagaacag	aacaggggtg	acccacatg	gacatcatct	ctgctcttca	gtcacctgta	240
gtgcagagtt	ttgaagtagg	tctgagcatg	gaaccgtagt	ggttggaag	gaaatgccat	300

<210> 2248

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2248

gaaatccctc	tcctgaccac	ttgtcagaat	cagaaagtga	ggaagaagaa	aatattagtt	60
acctaaatga	gagttctggg	gaagagtggg	attcctctga	agaagaggac	tctatgggtgc	120
ccaacttatc	gcctcttgag	agtcttgccct	ggcagggttaa	gtgcctttta	aaatattcca	180
caacttgga	accttttaaat	cctaattcct	ggatgtatca	tgctaaactg	ttggatccaa	240
gcacaccagt	ccatatactt	cgagagatag	gtctaagact	ctcccattgt	tcccattgtg	300

<210> 2249

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2249

aaaaccagta	ctcagaatga	gaaagagaag	gagaaagcaa	atatagtaaa	aatggacatt	60
tggaatatct	gggtgaaagg	ttcttgtatc	ttttctgtaa	gtctaaaatt	atgccaagat	120
aagtaaaaac	aaaacaccta	ttttcttttt	acagttcttc	ctatttttca	tggatttctg	180
aaaaggcaga	gactagaaga	aacttgttta	gctatctcat	tctgctcatt	taggggctct	240
acttttaaaa	ttaagatggt	aaaaggaaag	cattttaccc	ataagtaaaa	gaatgcttcc	300

<210> 2250

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2250

acttgatttg	gtaatgaaag	acaaatagct	ttcataacat	gaacatacaa	aaatagatgc	60
tttgctgttg	ttcagttttc	tcaagactta	ctgttttaag	cttgtaaaat	taatgaacag	120
taaaatagca	gaaaatagtg	atacattgga	tgattttta	agttttatta	gtgagatatt	180
tgaggatctc	gaattactac	aattctttcc	aatectacaa	gttaaaaatt	ttgttatggt	240
tgctgacttt	ttaatgctgt	ttattctctg	aaggcagttt	tatgatgcat	ttagaaaaaa	300

<210> 2251

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2251

gttaggtgta	gctctaactg	ggagttccat	ttaggccag	ttttggcagg	aatactttgt	60
aggtgatgcc	gtgtacatcc	cactgtattg	ccttgaaggc	acaggtatga	gaaggcacag	120
gtgtccggtc	attccacttt	cagcctgtga	ttgaccagt	ggggcagggc	tgtgtgagtc	180
tccactttat	agcgcctatc	agactccct	ctcatggttg	tagcatccat	tgtcatagt	240
tgctagagcc	atgatttcat	ttaaggttgt	caagtgatga	ctgtctaatt	tccatttatt	300

<210> 2252

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2252
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 ccacctgtgt gtaaacaaaac aaaactacaa agaaattttg tacttcactt agttggtagt 120
 gatctgggtat agcaattctg aaaatatttt ctgtgtattg taggattaaa caaataagta 180
 aatataatga tattcttggg agctgggatc ctcactatga gagaagaaag ataaaaatat 240
 ggagtgaagg aaggcaaaga agagctccat gaattggaat gagagattcc acagattact 300

<210> 2253
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (296)
 <223> n = A,T,C or G

<400> 2253
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 agcacctggc ctggctgaag caggctgtgc tcgggttcca gcttcgcag atggaccttc 120
 caccctgggg ggccccctgg ctccccgtgt gctccatggt tgtccagtac gcctcccaga 180
 tccccagctc acgccagaca cagcctgtcc tccagtccca ggtggagaac ctgctccaca 240
 gaacctactg tangtggaag ancaagagtc ccttcagtc catggggnaa agccct 296

<210> 2254
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2254
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 ctggtaattgt gaattattat tgcataaact atagtgtga ggccccagtc tttacacttc 120
 catttaataa cttcacagtt tcatatcttc ttgagatact tactaatttc aagtcccatc 180
 ttggtcacia ggagttgtga attagagaac aattaatatc accagttaaa gaagttagat 240
 tagaaatctg aaccatccta aacataagaa gtacctgcat cttcagagtc ttatcccaaa 300

<210> 2255
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2255
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 cttggacctc agtcagagct gccctcttgt aacaggggtg ggccccctta tttcactgta 180
 gtctgcttca ttccctgcag cctccttgat acgaagatgc agtgacaggc caggcactgt 240
 ggctcatgcc tgtaatccca aggaggccga ggcgggcaga ttgcctgagt tcacgagttc 300

<210> 2256
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2256

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gtagaaagt	agtgatccct	aagaacagtt	ggagaaacat	atggtttggt	ctatagctgt	120
aagcggtaat	tttgaagcaa	ttttgaaagc	attctttccc	tttaagaaaa	aaatagtttc	180
ttactgaaat	gacttttttag	gatgtcttga	aaaacgtagt	gaaattcatc	tagaaactta	240
caaggttgat	gctagccatc	acatgcatgc	tgcaatttgc	tgaaatgtct	tgatccaggg	300

<210> 2257

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2257

ctgaattcca	acctgggtga	cagagtgagg	ccctgtctca	aaaagagaac	tctcgatgtc	60
actggctttc	catgtaagca	gagcacatca	tgtgagcccc	attcgtggat	gtcagtcagc	120
agaacagaat	cttggacctg	gagcttggtt	gtcctgtgct	agaggttggg	ggtgtctctg	180
tctttctgtt	ggttcctgtc	agttcaggtc	acttagagat	tctgttacat	acaccagctc	240
tgacaggttg	ggggagatga	tcaaccttcc	gcctgcccct	gttcccttcc	ctgactcatg	300

<210> 2258

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2258

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gggaagagga	agtgaagttc	ctttttgatg	gtgttgagtt	tgagatgtcc	agtaggcagt	120
tagaaatctg	ggagggccgt	tgagctcatt	agtctagtct	tgggaaacgt	gtgtgggtaa	180
ggtaggggtt	gaggatatca	cccagggtga	caccagcctt	tcagggggcag	aaggggaacc	240
caccaaggcg	actgaggagt	gagcggatag	tttcaatttc	aaggaggggg	aaagaggagc	300

<210> 2259

<211> 239

<212> DNA

<213> Homo sapiens

<400> 2259

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gtttttgtat	gtctaataata	cagagaaatt	tccaaagact	ttttaatctt	tgcttagcat	120
aaggagttaa	gtcagtaact	attacaagga	aaaaatgac	agttttcatt	tgtcagttct	180
ataagcccca	ggcaagtttc	tttcgggttt	gactttctat	taattaacca	tatcctaag	239

<210> 2260

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2260

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acttattact	tgtgcaatga	aaaataataa	ttaaagatga	aagttaagcc	tgttaccact	180
ttcagagaac	aacgtgacgt	tttggaattt	aaaatttttt	cagtagattt	gagaaaaact	240
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<210> 2261

<211> 300

<212> DNA
<213> Homo sapiens

<400> 2261
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ttctacagta aaaaatgatt ttatataact tttggatat aagtctcaaa aagtgtgagt 120
cagaagagat gaaacattat atttaaaatt tcatatcaaa gcttctaata caacgttgct 180
agagccatgg cttggaaata aatcaggaaa aaacctcaa atacagaatc agttgtgtta 240
atgcactaga acttgccttc tgctttaaag ccataattaa tcatttaaatt gctggataaa 300

<210> 2262
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2262
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ctgtggcggg cgcacgagc gctgcgaacg cagctggagg gggcgagga gcagatccgc 120
aggctggaga gcgaagcag aggcgcgccag gagcaaacc aacgagacgt ggtcgccgctc 180
tccaggaaca tgcagaaaga gaaagtcagc ctgctacggc aactggagct gctcagggag 240
ctgaatacac ggctgcggga tgacaggac gctgcgagg ccaggcgggc gggcagcagc 300

<210> 2263
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2263
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tgcttttgtt ccccatccac gtcccccca gtgctgaagc tgtttcgtgt gtccttacag 120
tgtttctct gcaactccac ttgtggttga taagtggcag ggggacaata aatagagttg 180
atgaaagatg ggcttgggca gcagtgggac caagtgggc agaaatgaga aaaggactcc 240
tggggcagag gtggagtgc aaagccttga gcacgagggt gtgaaatgtg aacttggtgc 300

<210> 2264
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2264
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agagcctgtt cctgcggggc ctgtccctgg tgggctggta ccacagccac ccacacagcc 180
cggcgctgcc atctctgcag gacatcgacg cacagatgga ctaccagctg cggctgcagg 240
gctccagcaa tggttccag ccctgcctcg ccctgctctg ctccccttac tattctggca 300

<210> 2265
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2265
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atttctagta ataaagcatc ttccgactcc acattcttat ctctgggcag acattttatt 120
cttaagaatt gtagtgattg ataagaagct aaatggagat gattaacgtg tcaatgatta 180
ataattataa caacattcaa acacttagaa attatagtat ttcacagat gtctttttaa 240

agaggcattt ctggccagtt gtggtggctg acctttggga ggctgagacg gctggatcac 300

<210> 2266

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2266

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tagtttatgg	caggggaagat	ctgggaagta	agcaaaaaga	gccttttagtt	aggcaacata	120
gaacaaaata	gaggtcacag	gttccatgca	ctgaagaatg	gaattgaaat	agagactcca	180
gggtcataga	ctcttggaag	gaagactaga	gtacattcat	gaccttcacc	cttaattact	240
tcacaggtga	gaaaaccaag	agctacagaa	aataagttat	tcctcagctc	cagggtctacc	300

<210> 2267

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2267

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tccttgaaaa	atcaagatgg	attttaataa	tgtattaaga	ataaattgga	tttgaatcaa	120
cacaggaaac	agggatttta	cttagagact	atttcagtaa	ttttgaaatc	attgccaag	180
attgtagttg	gtttgtttat	aatgggtagg	ttattttatt	gtgaatccca	aatgtactcc	240
atcaacattc	cattgaataa	tttacaataa	caaacagcag	gggtttatgt	tttctcttct	300

<210> 2268

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2268

atcacgcccc	gctaattttt	tgtatttttt	agtagagatg	ggatttcacc	gtgttgccca	60
ggatgggtctt	gatctcctga	tcttgcgatc	caccgcctt	ggcctcccag	agtgcctggga	120
ttacaggcat	gagccaccac	acctggccac	agaagggatc	atttctaagc	agcatagaaat	180
cacaggaggt	acacctcatg	tgacttcacg	tttagagtca	gcatttgctc	ataatgaatt	240
acatatcagt	aatgaacat	gacatgcttc	aacttcaata	atattaaaca	aaactctttc	300

<210> 2269

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2269

cccaggaggt	ggggaggata	aggcgctgtc	atggaggacg	ccgccgcgcc	ggggcggacc	60
gaggggggtcc	ttgaaaggca	aggagcgccg	ccagctgcag	gccaggggagg	agccctgggtg	120
gagctcaccc	cgacccccgg	cggcctggcc	ctggtgagcc	cctaccacac	ccaccggggcc	180
ggggacccct	tagacctcgt	ggcgctcgca	gagcaggtgc	agaaggctga	tgaattcatc	240
cgagcaaatg	ccaccaacaa	gctgacagtc	atagctgagc	aatccaaca	tttgcaagaa	300

<210> 2270

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2270

ctcaatcaaa	caaaagctca	aagtttttgt	tttgataaga	aaataaaaaat	tttgtgggct	60
cttacatagt	gggtactttg	attatgtgtg	ataatactgt	gctgtgacaa	ataatataat	120
gaagaaatta	ataccaagat	tgctattctg	aaagattaaa	cattctttaa	tacttagatc	180
tttcatctgt	ttatgtaaca	aaccctaaca	tacaggctta	atgccttgca	gatattaact	240
tctttaactt	aatcctttgta	acagtcccat	gaagtaggta	ctattattat	tacattttcc	300

<210> 2271

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2271

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gctgtgtttt	aggacagcta	tcctagagct	atgtgtgggc	agagagtagc	aagcaggtta	120
gttaggaggc	tagggtaaaa	aggcagacag	gggacacatt	tgcatatgc	cctagtggag	180
cacagaatca	gggaacagga	ggtctgcagg	tttcaggaca	ggccagttca	gggagaaaag	240
ggactagccg	tgattatcag	gtcactgggt	atttatttat	cacttccttg	aagtattaaa	300

<210> 2272

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2272

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cacagtatta	cactataact	acgttataag	tgcaatagat	atgggtacaa	taaataaaaa	120
tagttgagga	gaaaaaacct	ttagaccatt	cattataacg	tgccagactg	ataaggggaa	180
aaccccccat	gtcacatgag	agaaataaaa	cccactgcc	tttctctgtg	cctgggtaac	240
tgagttgatt	gtattcacca	gaaggttctt	gttctgcctt	ttagacctgc	ctgggtcatt	300

<210> 2273

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2273

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tgatcatatc	caggatgatt	tcttcaagcc	agagtctgag	atagagacag	ataaaaaatg	120
atttttgcag	tacgatgtgc	ttgaagcact	taacatggaa	aaaatgatgt	cagccatttc	180
ctgctggatg	gaaagcgcaa	gacactctgt	ggtatcaaca	gaccaggaaa	gtgctgagga	240
aattcccatt	ttaatcatcg	aagggtttct	tctttttaat	tataagcccc	ttgacactat	300

<210> 2274

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2274

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tggcattttc	cataataact	gctgatatca	tcaaggtaaa	gagagctgct	tctcctaact	120
acctatgaaa	gaatttagct	ttttatattt	ctacctctcc	catatagttt	aatctctccc	180
cactgcgagt	atgactgact	ccaagggtatt	gaagtctgtg	ctctaattgg	gaattcaatg	240
aacaagactt	cagtgaatga	acttttttag	ccatattata	taaaatgaaa	aaggatctgc	300

<210> 2275

<211> 300

<212> DNA
<213> Homo sapiens

<400> 2275
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caagtgtttac ataacatgct tttggtatgt attatgactt tttacatttc tacttggatt 120
tcctcttcag atctcagttt ccacaaatct gcatccaggt tcagggcctc tgattctgca 180
caaatcatat gagccaagtg gattgattac tagacagatc agatcccttc ccagctaata 240
actctgcctt ctgattccag tcctcaaaat aaattgcagc ctgccatttt ctttatgttt 300

<210> 2276
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2276
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tgctcggagt gaccagttag attgttccac agcatgtata ttataaaaca aatattaggc 120
agatagctta taatgacttt ttaatattta tttattcatt tattttataa taagcagaca 180
ttgggacaag aaacttctga aaatatattat agttctctga aagaagggtg cttcccttcc 240
ttctgggagt taaggaatgt tttgacaagg aagaaagatg ggtgaataag agtgtattgt 300

<210> 2277
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2277
tgtgaattag cttcttctc egcccccccc tgttttctca ctctctattt cccaagagta 60
cttcccccaa caaccttctg catgcatc tccatttcag tctgtttcca agagaatcca 120
tcccttctc aagaactgtg ccctaactg gagtccattc caaagtcagt accagtgata 180
attgagcaat gggatgatag aatgtagatg aggcagttag tggttccagc aaacccaaaa 240
gatggcaagg cagttagaga ccagcagtggt aggaaacagc cagctatatt cattgaaaaa 300

<210> 2278
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2278
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ccattcattg gctgtttttt aagtatgatg ttgtaaagtg cagttagaat aaaaagaaca 120
gaaaaaata aagttaggtt tggaggaaga tgggatgcac atgaaaagat aatggcagca 180
gtagaggtga ggggaaggagt ggatatggg gaatgatttt ataaagggtca tgaaactaga 240
atctgagtga gggaaaagct ttaaaatata tgtgtctctt ttctagaggg tggataccct 300

<210> 2279
<211> 300
<212> DNA
<213> Homo sapiens

<400> 2279
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gtgcacagtt ctgaaataag gagaaaatag tactcacaat ctagttaggg aggcaagact 120
aacaagttag ctttaccgtc agtaatatgt agtctgagtc tgtgccatac atatttggat 180
aatagggtgaa tgggtgggta cggaggatgg acaacagtct gctggaactg gagcagagtg 240

ccccagcctc cacagtttgt cattttgggc cagacagtta tctgttgccg gaactcctcc 300

<210> 2280

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2280

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agttgcctta	ggatgacagt	gctgacaccc	agtaggaagt	atcccatttt	tatcaggaaa	120
gtcagtcacg	cgtagggatg	gtgaggagac	gcgtagggat	ggtgaggagg	ggagaggagg	180
gagacctgct	ggtgcccttg	caccaggggtg	aggcctgact	cacgctgctt	ccccccacag	240
gccctgcttt	gcttgcctgc	ttttccaga	atcgattttg	caagcttcaa	gattctgttc	300

<210> 2281

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2281

aagaggagaa	gctgaatcag	ttggagtcct	ctctttggga	agaggcctca	gatgagggca	60
ctctgggagg	atccccacc	aagaaggcag	taaccttcga	cctcagtgac	atggacagcc	120
tgagcagaga	aagttctgaa	tctttttccc	cgctcacct	cgactcaacc	ccgagtctca	180
cctcccgcaa	gatccacggg	cttagccact	ccctccggca	gatcagcagc	cagctgagca	240
gtgtcctcag	catcctggac	agcctcaacc	ctcagtcgcc	gtcgtctgct	cctcgcctcc	300

<210> 2282

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2282

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cattgttttg	gacctaaagc	ttgaagaacg	gtttatgtat	ttttctcctt	aagtagcatt	120
gcattgagtg	ttaggttctt	tttctttttt	ttcattcttg	gtcttcccaa	agcttcttcc	180
cacatttcgt	ttgtgtctgt	ttccaccatt	catagaaacc	ttggaaccac	tctcacagca	240
atgctaggat	gtttcatgga	cctgttaage	atthttgatga	tacaagacat	cctatcaatg	300

<210> 2283

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2283

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ttctgcctgc	caaacaaatt	atattctgaa	gatgcctggt	ttgtaaccct	tgatgtgaat	120
tttttggtgt	ctgaaattta	caaaagaatg	aaattgaaat	tgtaaaacac	taaatgcttt	180
gggtttattt	tgaagtaatc	tgttacttta	aaatgtcaac	attaggaagc	cataaaacaa	240
gatattatga	aaccacgtat	tataaatggt	atctacatct	aaagtatttt	aaaataaact	300

<210> 2284

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2284

caaaaataat	agaaaaaaaa	acagaatttc	cacaaacccc	cacctaattt	atctgcctcc	60
tgccatcagt	gccaatatac	tgtgcttttc	ttctgtggat	acattattta	ggccactatt	120
cagggccaac	ccctccacct	gcctactaga	ggccatcacc	acttgtttat	tcaagggcac	180
agctccaggt	agttttcctt	ctcttgggga	tcacagttt	ccttctgtct	accaggtcat	240
tcccattagc	atgtttttgc	cgcttttctt	aagagataat	atctcaacce	taattcctcc	300

<210> 2285

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2285

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ttcctcccaa	aacaccttca	gtgtttggag	aggctattat	gtcaataagt	aaagaacatg	120
ctactgtgaa	aaaggtacag	gaacaaaaaa	gagttgccaa	aaataaaaaa	tattattgta	180
aggtaaaaaa	tttcataaat	gggcctaata	gtgggatgga	tataactgaa	aactaagatg	240
gtgatgagga	agacagtcaa	gaataaatat	accaaagtag	caaagaaata	cctgtgcaag	300

<210> 2286

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2286

cctaggcgta	gtcatttctt	tattagtcct	tactttatct	ttcaaagtta	cgtaataaat	60
gtctatgttt	ctaagctatc	tttagatttg	taaaagggct	aaaatgttac	ttttaaacat	120
gtttggttta	ttcaaatttg	tttataaatc	tctcctttgt	acccctggct	accaccctc	180
cccactcctc	tgcctaaaac	taagggaaaa	tcctgtcttt	gcccatagct	tcagaatgtt	240
ctgcaatttt	agacttttac	ttttaactga	tcactgttaa	gcaagggagg	aaatttacca	300

<210> 2287

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2287

ggaaaagtaa	agagatcaaa	atgattttat	atgtattttt	tttgtactca	gagaattaca	60
ttttcactac	ccccgcctgt	ctcaggggat	agcctttgat	agaatccca	tggagatctc	120
tggaaactcta	ttacagtgtg	ttcagatttg	ttagtccata	tgtaaatttc	agagctagag	180
cttcaaaact	agagtattgt	aatctcagga	acataagatt	atccaagaag	cctgaacctt	240
gctcttttca	tgataaatga	catccaaatt	tcctttgtct	aggagataag	catagatccc	300

<210> 2288

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2288

acagggtaa	gcatgtgac	ggtgtccaag	acgcacagca	gattttcatt	cacaaaaaaa	60
tctgaccaca	agagctaaac	ggaaatacct	tccgctgtcc	ttcccaagtc	acagagcaaa	120
cacctcagtt	cccaggggtc	cgcacagttt	ctgggtggagg	cgggtgactgt	gagcgtgacc	180
agctgggcta	attcgtcctg	acatttagtt	gggacagcta	tagtttccta	cctctatgac	240
cagagagtga	agcgtttcac	tgaagaactg	tggccggcgt	ctccaggaaa	ggaaggagcc	300

<210> 2289

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2289

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gatgcttccc	tttttttggt	ttccccgggc	tttccagctc	ttggagcacc	cttttgctcag	120
cagatgtact	tttgtttcca	gtttttaaat	tctaattaca	gtgtaactca	actaaaatca	180
tggaaactggg	gaacataaaa	caaatacatta	gggtaatgga	ggcatagaag	aaagtgaag	240
gaatccagtc	cacctctttg	ctgtactagg	tatggatatg	cctcagctgt	gagtgagggc	300

<210> 2290

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2290

gaatcaaaac	caagtaccag	aattatgtgt	tccttaagga	aaattgagga	actgtgaaaa	60
atagaagtgt	agggtaatca	ttcttaatat	aattaccta	gcatagatac	tgtaaatatc	120
ttggtatatg	ttttttctgg	tctttgtttt	agtctgcata	gattgtttta	acatcctttt	180
atttgccttc	tgaatgctgt	tttatgggtt	atattttcca	tgtttttata	tttttactta	240
ccatgtaata	tatatatttc	catattacct	agtatttgaa	atggtaaata	gctttataat	300

<210> 2291

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2291

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gtatttccca	gcgaatagaa	tttactgctc	caaaaagctt	ttttggcata	aatcacaata	120
cttacagaaa	tataattgta	tcattgaaaa	aaacaaagct	caccttecta	atgatacatt	180
tcacaaactg	cacattaggg	caatttctta	cttatgagga	ggtacaaaga	aataactctgt	240
caatatagta	taactgctta	tttcaaattg	tatctaggaa	tgaataacta	ctattattta	300

<210> 2292

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2292

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tcctgactgt	gaacactgaa	gaggactaga	tcaaaaatga	ccaattgagt	agcaattgaa	120
catttacagt	gctgtgtgca	gtgaacttct	gtagcaccca	aattgtggtg	ttgggaaaaa	180
ccattccacc	ttaaaaagaa	ccaagccttt	ctggcaaaat	tgctgattct	aggttttggg	240
caagaaatgt	acatgctgag	ctggaacatt	gtcataacag	ttagtaagga	ggctgttaaa	300

<210> 2293

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2293

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gatccaaaca	ggaaagaaag	ggaccagaga	aaggaaagg	tccagagcct	gaagggaaag	120
agatgtagaa	tcagagaact	cgagaggaac	agtatgcttc	atttgagaca	cagccagaga	180
tgagttcaca	ggaaggatgc	tgggtgtaca	tccttaggcc	ttaccacact	acctatttca	240

gtcttctctt aggggtcccc atatgctgaa ccagcctga agctaaagga cttaagagcc 300

<210> 2294

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2294

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ctcccgccgg tgcccgctca gaagttctcg gcgctcacgt ttttgagagt ggatcaagat	120
aaagacaagg attgtagctt ggactgtgcg ggttcgcccc agaaacctct ctgcgcatct	180
gacggaagga ccttcctttc ccgttgtagaa tttcaacgtg ccaagtgcaa agatccccag	240
ctagagattg catatcgagg aaactgcaaa gacgtgtcca ggtgtgtggc cgaaaggaag	300

<210> 2295

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2295

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gattcatata tcaaaaatgc atgattctgg cactaaatca gaatatttgc atatcttacc	120
atttacagtg ggttttttaa tttgttttta tgtcatatca ctaatttgta gcaagtagat	180
tttctggtgg tgtaactgtt gctaataata gtaaatgttt catagactag ctgaaacaca	240
gagtagcttt ttcacctga atgttgaact atgaaatatt attttgagtt ttaattatag	300

<210> 2296

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2296

gtcttcactc tgcgacaaca agcttcttga aggcaaagac catattttta gtatcttttg	60
tgctcctagat gcactgagta aaattccagg gatgccgttg atcataaatt tggtataatt	120
tttagaazata gacttttaaaa ttttagattta cagaacatt gcaagatac tgcagagttc	180
ctgcctatcc tacactgttt cccatattat taacgtctta catccctgtg atcatttgtc	240
tgtattaata aaccagtatt gatacattat cacagagacc atactttatc aggtttccac	300

<210> 2297

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2297

cggcgcctgg gctgctcgtc tggctgctcg tgcctcggct gccctggcgg gtgccgggcc	60
agctggaccc cagcactggc cggcggttct cggagcacia actctgcgcg gacgacgaat	120
gcagcatgtt aatgtaccgc ggtgaggctc ttgaagattt cacaggcccg gattgtcgtt	180
ttgtgaattt taaaaaagg gacccgtgat atgtttacta taaactggca agaggatggc	240
ctgaagtttg ggctggaagt aaatgagatg ccacctgtgg tcccaactga caaagattaa	300

<210> 2298

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2298

actttgcatt	tgctcgtttt	gttcaacttt	tccttccttc	tctgcctgcc	aaagaaactg	60
taataactgt	aataattttt	atgactttct	cttcaatgac	agttatcttc	ctttacccta	120
attccttccc	tcctcatcct	tcaaatcccc	ttcctcatca	ttcaaagtct	aactcaagct	180
agcctttcct	ccttattttc	cccttatctt	tccaatccgt	atggagattt	ctcacctttc	240
ctgatagagg	ttgcgccaga	atggtgagga	ttaaattgta	attgctttct	aatagactgc	300

<210> 2299

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2299

gaccagtgat	gtcacaggag	gtaggaactt	tatgtgaagt	gtgttgccctg	cctgaccccg	60
cagcctcctc	tctaaagggg	tgtgacagga	actgtcccac	tgggaggcct	gtggctgtgg	120
agtgcactca	tagcctccac	tgtccgtaaa	gggagccata	caaccagagt	tcgtcctgcc	180
ccaaaccctg	ccactcaca	ccacatatgt	acagtcagat	gccatataac	aggctgcata	240
tgtgatggtc	ccataagatt	acaatgaagc	agaaaaatcc	ctgtcacata	gtgacatcat	300

<210> 2300

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 2300

cttgattagg	tctttagggg	cagagggact	agccagctgc	acaggtgact	ggatggggga	60
ggggcaggtg	agggtgggtc	acagaggtgg	cttcgccttt	gaccttcatt	ctggctcggg	120
ctgaggtgac	acgctagtga	cagcccaata	gggggttacc	cttattgagt	aaaatacttc	180
agattgacag	ctcaatctta	gtttgcctcc	agttaatctt	ttatgcttag	ggattaaatg	240
tgtggttttt	tttttggttt	tttttttngn	aaacggattn	tcnttttgtn	ncccaggttg	300

<210> 2301

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2301

agtgggtagc	aagagttctg	tgtaataact	tgggaggcat	ccaagcggag	agttaagtag	60
gcactgaata	tttaagttga	gctgagggga	gtgatctaga	ctggacataa	atthtgggag	120
tcactagtat	acagatggca	tgtcatggaa	ctgattgaga	ttgtttgtgg	ccttaagatc	180
aagccctgcg	agactggagt	aataaaaactc	tggctctcca	cacagccagc	tctgtgtggg	240
gaaaaaaaag	ccctaaaaca	ctaacaacgg	ctaaagcttg	ggcaaaggag	actgaaaagg	300

<210> 2302

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 2302

gctatccctc	ctcctgttcc	accctccaga	ggtagtctct	gttacccttt	tatttataac	60
ttttatgggt	tttttttctg	tatttataca	aatcgatgca	caaagagggg	tctcttctct	120
cataaaagtg	attattagtc	ttcagtggtc	cttttttctc	cctaacaaat	gtaaactggg	180
agcattttcc	caagtacata	tttataatac	ttacggngcc	tatctagtat	tctgtgaata	240
tatactggta	atttattcct	tcccattgac	agacttacct	tgtttccatg	tattgccatt	300

<210> 2303

<211> 263

<212> DNA

<213> Homo sapiens

<400> 2303

acttaattca	cttgagtaga	aatttgtaat	ttagccatag	gaatttagga	agtgttagtt	60
acaagaggta	acttgaagct	gtggacatga	tgatagcttt	tgttgcataa	ttagaatgtg	120
ccaaacactt	tgctaagtgc	ttatgatagc	ttttctcttc	agaacatcac	catgattatt	180
tacagtataa	cctgtatttt	acagatggag	aaatgtacgc	aaaggaaagg	ggcataactt	240
gcctccaggg	tcacatagat	agc				263

<210> 2304

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2304

ataacactga	gaaaggagta	tggtatactt	ggtttgaact	gtgtgctaca	ctaccaggcc	60
ccttccacat	tatactacta	atattattta	aatagatagg	tatcacactg	agaggatata	120
aaaaaaattt	ctgcctcttc	atttttgttt	cttgtttgaa	cagaaaaaat	gacaaaaata	180
ttgggagtac	ttctaaggaa	aaggcaacac	acattccagt	taacacttgg	atgtgaaaat	240
atcaatgaat	attagaattt	ataagtcaaa	ctggctctgc	tcgctgattg	caatttttag	300

<210> 2305

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2305

cccaggggaat	gctggcttcc	tcctattgct	attccttgcc	tttcctaattg	ccttgaatca	60
gtgcattcat	tcatttgttc	atttcaatca	ggaaatatct	gtttagcaca	aacatagata	120
tttatttatc	taagtggaaa	agaatattgt	aattctcagt	gttggttaact	gctcctgaga	180
ttttaaaacg	atacaacatt	ttttcagagc	aagttgttga	tatgtatcaa	aagtcctaaa	240
gacacaccct	tttaccgctc	aattctacag	tcgagtcctc	tttctaaaaa	aaaaaagaat	300

<210> 2306

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 2306

cccaccttct	ctctctcatt	gtctgattga	aagcaccagg	tctccacat	tgetttcctc	60
tttgtctgtg	ttgttgctcc	tttccatctc	tgtatttatg	ctacctgtta	gggctcttgc	120

cgaagcaggg	gtgggaacaa	gaaccacaga	tatacttctg	tggtttgtga	agcattgtgt	180
ggagggctgt	gtacacagag	tacctggggc	agttgtcaca	gccactctgt	gtggtagctg	240
ctactgtgcc	catcttagaa	atgagaaggc	tgaaggaccc	acccangcca	cncagccagt	300

<210> 2307

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2307

ggaaaaataa	catgttcact	ttatgaaagg	aagaaccagg	aaaaataata	gaaaataatg	60
aacatgagtg	gagatataga	tgaaagctaa	ataagcattc	actgtgtctt	atcaagagtg	120
actaataagc	tgacagcttt	atgtgagttc	tggttaagcaa	attaatatca	tataaatcat	180
tacaatttgg	ataaagcaaa	acctgttatc	aaatttaaaa	actgtttaat	aattcaacac	240
tccagtgggt	tgccttgttt	aagcaaaagg	attctggcca	agatatttta	cttcagctct	300

<210> 2308

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2308

attctgctga	aagcctgctc	cccagaaggg	tggaacaat	agggacaatg	aactgctgtt	60
gttcgttatg	tttcatcccc	attccgtttc	attttattga	attgtaaacc	gtgtgtataa	120
caacactttt	taatcaattt	tttaaaaaag	agagagtggg	aagaaaccgc	ttcctacaac	180
agaactgaag	agcacaccag	tgattacagt	gtccagagag	gaggggtgcat	taacactagt	240
tttattattt	caatcagatg	ccaagcaaga	atatatctgg	ggttcagaca	agaaaggctc	300

<210> 2309

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2309

ggaaacctcta	caggsatgca	gtgggcttag	ttttttaata	tggaccaggt	cttgtttacc	60
tttgtgttcc	cgcaaggcct	agcccttctt	aagttttcag	taaatatttt	gatattagct	120
tacctgaagg	ttttatattg	tttatatttc	ctatgattta	tcagtctaga	atataagcat	180
attaagcagt	gatgaagtct	gaaagtagag	aaaacttcag	attgtttcaa	aatagggtgat	240
ttggaagggtg	tattttattct	gataaagcaa	atatatagct	gcgatgggaa	aatatctaata	300

<210> 2310

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2310

gcaatatgta	gtttgccata	aaatgaatgc	atgtcttatt	cttttccata	gttcttcatt	60
aatgagactt	gtagtcaaga	atagattgaa	gataccattc	tccttggtga	gttcaaaaaa	120
atctcctctg	gtaatactga	aacaactaat	ttttcttatt	ttgtttgttc	ctctttatta	180
ttaaatacta	tgtgaattaa	ctcttttagta	gttggcctgg	ttgaagctct	gtgaggagca	240
aagcagccct	ctccaggtga	actgcttgac	tttaccacct	gaaggagtat	ttactgcaag	300

<210> 2311

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2311

ccaacgatct gtatcaacca cgtcttcatt ttccttttcc tgtttgtctt actctcccc	60
caaaaagagt cagtttcttg ttttctcaat ttctcagttt aaaattagag ccctatggca	120
ggtgccatgt acagctgcaa aggtggcaag aagccctgag aaagctcaag aagcaggtca	180
agggggtggg taagggaagat gggacgttca agcagaaaca aaaagaggag ctaaaagtga	240
aagccacccc gccaccagcc ctcaccagtc acaggtggaa ttaaagaaat ctggcaaaaa	300

<210> 2312

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2312

tggcagtggg agtcgaagcg agggctctgaa gttcacgact actagaaggg gaggggagtg	60
gaaaggtctc cagtgaaaaa ggtattagaa ttatttctga attatcagtc tctcatttgt	120
gctttggaga agcagaaaaa gcaaaagggg tctttggcca tcttctgctg gagcttccag	180
ggaggatgtg tctccaagag accagatgta ccgagtttga aatcccagaa gccaagagg	240
aaaagaatca caggaggagg aagactgtcc aaaggctcct ggagtcttct gttctctaac	300

<210> 2313

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2313

agcataagaa agctggaaaa taacctataa ataatggcaa aaaaaaagca aacaatagga	60
agaggaaacta tataaaaagga acatttggag catagaagag agttcatgga aatgtaaaaa	120
atgatggtac cctgggtttg atatagtaag taaaaaacta agggtaagag ggtcatgaaa	180
gcatctagaa gtaggaggga aagccagtca aattcacagg atgaagtcag gaagataata	240
gagcagtgcc cgcaagatcc tgagggaag caagttccaa tctataagtc tgtaaccctc	300

<210> 2314

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2314

attagatact atagtaggtt aataatgact aacaccttgt catctcatca ctgagctttt	60
gtctaagata gtctctgaat ttagaactgg gacgaaagtg tacataatag gctattataa	120
aatttttaga attggatttc taaacttggg gtcagtgaat ctagcaggct taagcagtgt	180
tctcaggttt ttctggcaca gacaaggaat ataagaggag gagagaaaag gagagacagt	240
agtgggaggg aatagaatga gagaagatag aaaatatgga attaataagag aaaggataca	300

<210> 2315

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 2315

agcataagaa agctggaaaa taacctataa ataatggcaa aaaaaaagca aacaatagga	60
agaggaaacta tataaaaagga acatttggag catagaagag agttcatgga aatgtaaaaa	120

atgatggtac cctgggtttg atatagtaag taaaaaacta aggggtaaga gggcatgaa	180
agcatctaca antaggaggg aaagccagtc aaattcacag gatgaagtcn ggaanatat	240
agancagtgc ccgcaagatc ctgagggaag gcaagttccn atctannnct ctgtaaccct	300

<210> 2316

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2316

taacagtcct atattgttac ctgggcaagt taaatagtcc taattgtccc tgagttgtta	60
gagaatgttt gtgaacct cagcacagac cttgacagat aggtttttgt tttttgcttt	120
tttgaagtac atgatataga caggaacaca gattttttaa tggtagctgt tactaagtgt	180
gggagagagc tttgactctg gcagtttggg atggcctttc aaaattgaca agtgtggttg	240
taaggggttag agagtaagtt ggtgatgaat gatacactac tctttggaga ataaagagcc	300

<210> 2317

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2317

gatagaataa ccaattttaa atgtcttata gataaaatct agaatgaagc tttggttaaga	60
agtctgagct acgtacataa gattatcagc aacatatatg ttaaggtgga gccattttaa	120
gaaagaacag aagggaccta tgatttactg attgttgaaa atcaaaataa aggaggcaga	180
gaaaataaag attgtgagtc agcaggactt ttgtcttatt ttcaagtgga tttattgatt	240
acttttcttc ttacagccaa gtgcaagatt tgtgaatggg cgtttgaaag tgagccacta	300

<210> 2318

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2318

gagttctctt gtgttttact ctttttacag tgaagacagc agtgtgtgta gcagcagtga	60
cactgggctc tttaccaatg atgaaggcg acaaggtgat gacgaacaga gtgattggtt	120
ctatgaagga gaatgtgtcc caggattcac tgccctaat cttctgcca agtgggctcc	180
tgatcattgt tctgaagtag aaagaatgga ttctggattg gataaatttt cagattccac	240
attcctttta cttctcggc cagctcaaag agggaccat actcgttga atcgtctacc	300

<210> 2319

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2319

gatgtctaaa cttgcatcat ttttgggctt ttcaaagcaa tctcccaaa aaaagaatca	60
tttggttttg gaaaagaaaa cagaatcagc aacttttcgg gtgtgtggtg aaaatgtcac	120
gtgtgtggaa tacgctatct cctggctaca agacctgatt gaaaaagaa agtgtcctta	180
caccagtga gatgagtga tcaaagactt tgatgaaaag gagtatcagg agttgaatga	240
gctgcagaag aagttaaata ttaacatttc cctggaccat aagagacctt tgattaaggt	300

<210> 2320

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2320

gtaatttgta aattctgtgg tacttttcaa atgtatatca tttactgagt ctgattatca	60
cacggcctgg catataataa gtactctata agtattggct gatttctaata aggtctgaaa	120
atttatcctt tagaattttt tcttcagttg gtttagcgag tttccctttg atgttgaaaa	180
tgtttttttt taaaaatcta acctagacca tcccaaataca tgaattactg ttgtgtgaaa	240
cagtgaagact actgttttta tgccacaggt ttataattat gcaaataaat actacatctt	300

<210> 2321

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2321

gtgatctgcc cgtctcagcc tcccagagga gcacgtggat tacaggcatg agccaccatg	60
cccggccctg gatgtatttt ctatcctaga atgtccacct ttaaaaatga agcccagtga	120
aaagtgttcc ccactaaaa tgtggactgt tttgcttgca gggatgtgtg gggttctggg	180
agatagaagg ctagagctag caccttccca aattgcagag gaatcaatcc tggcttgtct	240
gtgagctggg gaggaatgga aaggtagggg ccttgagagt ccttaattac atagggaatg	300

<210> 2322

<211> 299

<212> DNA

<213> Homo sapiens

<400> 2322

agtaaataat ataataatag gatagttag gtactgtgat gaaaagtga gctgataagg	60
gtatagtggg gacttagggg gctgatttag agtttggtca gagaaagtct ttctgaggag	120
ctgtgagagg tttgtacta tctagaggca cagacgagat tcagcccaat gaagatgaca	180
aacgtctctg taacacatta ccacatttt ctgtaggaca ctgttttgtc gacctataca	240
tatatggcta agtagtctga cactatggat tcagtgaagc atacggtatg tgcccatgg	299

<210> 2323

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2323

caagagcaag ggtggagggg gacagattgt caggtccoga aatgtgtgtt gacacacatg	60
ggcttcgggt tagctggcct gacatggaga tagagtgcca atgttcccag gccacagaat	120
tatggaggcc tcaccacag tattcacagc tctcaactgg cctttgagaa tggaagcctt	180
ttcctgcctt ggatatggcg cttcttcctg ggagaggagc agagccacag agaggtagga	240
agttgaggca gagcaaaggg aaggcttcag agcttaggcc cggttcatct cagatgtgtt	300

<210> 2324

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2324

tctcacctg atcaagttga ggggttccg gctcccttct acagcctcag aaaccagact	60
cgttcttctg ggaaccctgc ccactccag gaccaagatt ggctgaggc tgactaaaa	120
ttcacttagg gtcgagcatc ctgtttgctg ataaatatta aggagaattc atgactcttg	180
acagcttttc tctcttcact cccaagtca aggggagggg tggcaggggt ctgtttcctg	240
gaagtcaggc tcatctggcc tggtggcatg ggggtgggac agtgtgcaca gtgtggcggc	300

<210> 2325

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2325
 aatagcatga gcgtcaaaaa caggetgatt caaatcctgt tatccagatg caagtgggta 60
 tgtactctaa gcctcagttt catcatctga atatagatat ggtacttatt ttacaagggt 120
 gtgataacta aacataataa tgtatataag gcatagcata gcatttggca catactaggt 180
 gccagtggtg tagtaattgc tgtgactaca tgggtatacca ccttcctctc cctgagaaat 240
 ctcaggatat tggacacact gaactactcc attctaaacc ttaaaaataa aaacaaaagg 300

<210> 2326
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2326
 attccatcca cttctccccc ccattcagca caaggtagcg ttttgacagg tagcgtgatg 60
 agatttagaa cagaggctga agttaattga ggtagcaag aaaaatatta ctgtcaattt 120
 cagatttttt ctttaattat tttaaactca tgaataatca gttaatgaa aaagaaatgc 180
 acatttaaga gcattctgaa aattccact cctaggtgcg tcagaggaga gaagcctctt 240
 gtgacactat ctacaataga acacaccact ggctttttgc agatgacata gtttttgttt 300

<210> 2327
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2327
 gtgaccacca ctccattctt gtctcctgtg ttctcggttc agaccacca caaaggcagc 60
 ttcaaagcca aatcctcagg aagggggatc tgcccgggct agctagtcac gtgtcaggca 120
 cagtcagctc tgttgagggg tgtgcagtga gggctcagtg aggccacaga gctcagatgt 180
 ggctatgaag actcctgggt ggtgggggat ggcagttctc acagatgaga ggtatggatg 240
 ggctgggtgc aatgactcac gcctatgatc ccagcccttt gggaggccaa ggtgggcaga 300

<210> 2328
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2328
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 ttttgagaca tgagaaataa tgtactttga tctggttttg agaaattatt gcataattta 120
 ttttaagtgc ttgctgcctc tgcttttccc cttttgtctc tcaaataat aaagtaagta 180
 gcctgaccta caggaggact gttaaaaatc atatcactag attaaataga attaaaaaag 240
 aaacaggaag attgaagatg tagtttaata tatgtatcat taataataga ataaatacaa 300

<210> 2329
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2329
 cttcttttca tttttcttaa actaatttct cacaattttc atttttgtcc tgagacttga 60
 agggaaagta agttttaatc tagaccatat tatttagtta catctaactc ctctagacaa 120
 aagacagtct ggagagtact ctttagttct atttattaat tttgtctcta gattgagcca 180

gatttcccca	tgcatagctg	gcatttttatt	ggcctctgca	gaattgcttt	ttctggattg	240
gactttggta	atccatatga	aaatctctat	gaaatttaat	tgctcgccag	gtgtggtggc	300

<210> 2330

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2330

gatcatttta	acatgcaatc	agcataaaaa	aactgagaaa	tctcacatac	ttttctgtgt	60
actatgtctt	tgaaatctgt	tgtgtatttt	atactcaaag	catactttaa	tttggaccag	120
ccgcatttca	ctagtttcat	gtggctgggtg	gctaccacat	ggctcagtgc	aggtgtaaga	180
cacagataag	tagtctgtat	tgcattttaga	ttactgcagt	gtcctcgggt	gctttcatcg	240
ttcacatcag	tggaaagcct	tgttcaaacc	aatgtggaat	tggtgtttca	gacaatggta	300

<210> 2331

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2331

ggggtctctt	ctactgtctt	attggaccct	agcagtggct	ctgagccagc	agtcctgtca	60
gttgatttct	tggtcgttcc	tttgttttct	tctataatca	catgtggact	cagaatgaat	120
tttgagttac	tctgaaatct	atattattcaa	cagatattta	cttagtacct	cctattgccca	180
gactctgctt	tatgttggat	attatttttt	aaaagcccac	cttgccctaga	tttccctcaa	240
ggaccagggtg	gcttccctgg	ttttgaaaga	ccctaattct	tactatgatc	ttaagtaa	300

<210> 2332

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2332

gagcaaatga	gactgttctg	gtgaaatgat	gaatggcagt	tacaggcaat	ggtgggagaa	60
agtaggttcc	ctcctagtcc	tacatggtag	catgatcttc	cttggcagta	acataatcac	120
ttgattacgt	gtcaccggct	ctgtaatttg	ttaactcatt	tgattagaac	atgttgctaa	180
ttcagtcagg	gtttccagtt	gtacacattc	atttttgctt	ctggatcttt	gcatatgcta	240
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<210> 2333

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2333

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tgctaatagt	tactcagtct	tagtttcctc	atcagaaaag	tggttaaggat	gataaagtag	120
ttcataaaca	ttcattgagc	actaagtatt	tgcaagatac	tgagggtata	aagatgaata	180
aaacactgtt	catgtctttg	aagacttcct	agtcaagtgg	tgaaattaaa	cataaaaaca	240
ggacatttta	atattacgtg	caaagcacat	agtgggcaat	gtgttggttt	gaagaaggat	300

<210> 2334

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2334

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caaatacagaa	atgggcacag	aaactggatt	acattttctgt	gctctgaaat	cccacagagt	180
tcataaaaaat	acacatgtat	acacaaaagc	aacaaatgta	agttacattt	tattatggaa	240
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<210> 2335

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2335

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atttgggttc	tgtaagggtt	aaaagaaaat	ttgaggtagc	cagcagtatc	tgcctcagat	120
gctgagaagc	ctcctgagat	aagagcgtat	accatgtcca	taactgaagt	tttaacattc	180
tctgccaaac	agaaccagaa	tttaagggca	ggagaatttg	caagatagaa	tttgcaattt	240
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<210> 2336

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2336

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tccaaatcac	aaataaagcc	atcagcagtg	ctcccttcct	gctgttccag	ccactgtgga	180
catttgccat	cctcattttc	ttctgggtcc	tctgggtggc	tgtgctgctg	agcctgggaa	240
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<210> 2337

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2337

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tttgggtgat	tatattcagt	ctattaaagt	tttgattgtg	atgttttcat	tgcagttttt	180
ataccggata	aaatgtattt	tagaagtaga	acttttggag	ctgaaatagt	ctgcagaatg	240
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<210> 2338

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2338

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gtaagtgatt	aaatactgtt	tcatcacata	tacacatata	tatacttatg	tggatatatg	120
gtcctgttct	cattgtactt	atgatattta	gtgttggtat	tgccatatcc	tgtgggggga	180
aagctaagaa	cctcagtaat	cttagtaaat	agtgtatca	tcagttcatt	tactcaagcc	240
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<210> 2339

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2339
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 taaaatttaa aaaaagaaac gtactggaaa atctgaatag accctctgct ggaagcatta 180
 tgaaaagtaa ataaatggat atactgcac atcctcagaa aaaataaaaa agaaagaaaa 240
 tgctgcccc cttctgcccc caaacacagat taagcagggg ctcatgtgtg gtgtcagaag 300

<210> 2340
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2340
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 agaagacttg ggactgggac agtctttaga tattatttga aatgctggca ctgtctatct 120
 ggatcccagg gcttgaacta ggatttgagg aagtcacagg gaagcagatt tcagtctgac 180
 atttattcag tgcaagtttt ttggtgctgt agtatatgat gaaagatgta aagctgaata 240
 aagcattatt tctgccctag agttgttcac agcctagtca ggcatatgga tatgtaaaca 300

<210> 2341
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2341
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 tgatggcatg agtgaatgtc cacattttaa gttatttttg ttcacacatg gcctttgttt 180
 attatttatg agaaaaaatt atagaaataa tttaagggtg gtacagaaat gcaaacttag 240
 aggacttaaa atgtacatga aaactccatt tgatatgaca aataatttac aggtcaaata 300

<210> 2342
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2342
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 gtttacacca aacttttaat aggcgatata tcattatttt ttttccatt ggtttgata 180
 acatccactt taactggcag ttagtcatac ttagctattt ttgttaaagc aggtgattta 240
 ttgttatatt atatttatga catgattaat aagtgaatat ggaagatttt acattgactt 300

<210> 2343
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2343
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 ccatattcac accactgcgt tccagcctgg gtgacagagc aaggtgctat ctccaaaata 120
 aataaataaa tgttaaattt gcttttttct ctctctcttt ttttatgtag aatttgtttg 180

ttgatactta	ctgaatgtag	tgaccctgct	gtggtaatga	acacttctag	tgccttctag	240
gcttaaaata	ccagacagcc	caaataaca	aatgctcttt	tgtgttttga	taggttggat	300

<210> 2344

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2344

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gcctgtagca	tttgggctgg	ctgagatggg	ggaagtgtga	acagaatatt	ccagtccagt	180
gtcctctgtg	gtagggatgg	ggatggaccc	gggagaggcc	ctcctgttcc	tggcaggagg	240
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<210> 2345

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2345

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gtgccagaga	atttacgtca	ttgtgcctgg	gagctcacac	tcagcatggg	ttttgctttg	180
actccacgtc	ccggtttgtt	gttgttttta	gggaggggct	ttctctgtat	gttgcccagg	240
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<210> 2346

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2346

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actaggcact	tattttatgc	catggcacaa	ttctaggtgc	tgaagacgac	acagctgcga	180
ataaaacaga	catgggacct	gttcttgtgg	agcttatact	ttagtgcgta	gagaaactaa	240
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<210> 2347

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2347

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tttttcttga	tttttctctt	ttccctcaca	acaatattca	ttccatcaat	aattcctgtc	180
acctctactt	tcaaagtata	tacagtcagg	tatcgcttaa	tgaaggggat	aaattctgag	240
aaattcatgg	ttaggcaatt	ctgtcgtgt	gtgcccatta	cagagaggac	ttaacacaaa	300

<210> 2348

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2348

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accattttaat	agaccaatac	tgtctacctt	aaaacctcct	ttggtatcta	atttccttgca	120
acatagtgc	tctcaaataa	ctggtaggaa	attgtttgtg	tctttaaaca	tatttttagt	180
gtctttaaac	atatttttgt	ttgtgtcttt	aaacatattt	ttaggaacgt	atggcatgat	240
gcatatgtcc	ttttctttga	atctgggagg	tggaagaaag	cttagtttga	acaagcttat	300

<210> 2349

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2349

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ccttttagatt	actattat	tgttcttgaa	caattgattt	ttattttttt	agacttttta	120
gcctttatat	aatcattctg	tgtactctgc	cttcataata	aaactggaaa	aattatgagc	180
aagaaataag	aggtactagt	tctgaggaat	agttaagatt	atcatactga	gtccaattgt	240
agcagaattt	tttgttgctt	ctttgtatga	tacttaaaat	agttgaaaaat	ttgattggat	300

<210> 2350

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2350

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acaagtgact	gcacaggttg	acatggagga	ttaggtggag	tgaggcttcc	aagcagggag	120
gggaatgatg	gtggggccca	aatgaggagc	cacatcgag	tagatgagag	aatagaaggt	180
gaagtaaggg	ctggcggttg	gtagggggag	acgccagcag	tgatgctgat	gcccgaggctg	240
taggtgtata	ggtgccatcc	acctggtaaa	gagagagctg	tagcgagga	atgaggttgc	300

<210> 2351

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2351

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ggcaatccag	atggccagta	aaccattgta	atagccagaa	attggaaaca	tatattcatt	180
gacaacattt	aagattataa	tatagtcata	taatagtcct	gatataacaa	tggaataaaa	240
ttacagctac	acacaacata	atggataagt	cttaaaaagc	cacatgtaca	gaatacatac	300

<210> 2352

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2352

gcgagctgaa	gtacacaaag	tttcaaggcc	agaaaatgag	caactcagaa	atgataacaa	60
gagacaagta	gtcccagggtg	ctccttcagc	tccaaggaga	gggcgtgggg	gtcatcgagg	120
tggcagggga	agatttggtg	ttcggcgaga	tgggccaatg	aaatttgaga	aagactttga	180
ctttgaaagt	gcaaatgcac	aattcaacaa	ggaagagatt	gacagagagt	ttcataataa	240
acttaaat	aaagaagata	aacttgagaa	acaggagaag	cctgtaaatg	gtgaagataa	300

<210> 2353

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2353
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 ggtggcatga actaccacac tcggcagcat attttaaaat gcagttattt ctgaaagttt 120
 ttggttttac acaatttttt ttttaggtaa taagatgtat tgtaaggatt atgcttacgt 180
 atggtacaga gtatacttca cattgttcct gtcttttttg tgggggaggg aatgaccgaa 240
 agcattggga atgttaaagg caaatgagta aaaagaaaac taaaaaacga ttacttcttt 300

<210> 2354
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2354
 aaaaaacaa aaattcccat aaaaaaata gatgtttctc acatgttgag catatatgga 60
 tttcattttt aatatgattg tagaaacatt agattttaaag catattgaaa aagaaaacag 120
 tatattcttt aggagcttca aaaaagggtt ttggtttagt tcaaagggtg aaagaagatc 180
 ttttattatt ttggtaaata acttctaagg aaacaaacca ccctcacatg cactatctca 240
 tttgtatttc tgtcaattct gaaaggccag catttggcca gtattatttg aatctgtatt 300

<210> 2355
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2355
 gaatggccaa agttataatt ggtctttcag attttttcat atggacaaga aactgaccca 60
 cgaattataa aatccatgtg gaaaagaatt gatccaaatc aatgtaactt caagaaaatg 120
 tagaaaactt tataaaggag taaattggct ttattctctt gatgaaaact cagtattttg 180
 gtgtaaactc tatttaaaca atttcgttca taaacacaaa gacaaaccat ggggtcaaaa 240
 tgtgtccttt gcttttaaat tctgtccttc atttacttga atgacctcag tgcttacgca 300

<210> 2356
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2356
 gaataagtga attggaagat agctacacag aatgaagcat agaagggag agatggaaat 60
 acacagagct agagggtaac acattgatgc tacagacaga acacctaaca tacttctgga 120
 gttctgtaag attagaggag agaaaataga gcaagagaaa tgttgcaagg atttttccaa 180
 aaggataaaa atgtatccct gaatatattt ttagtaatct caaacttcag gcatgataac 240
 taaaacaaaa ttaacataaa ataatacagg acgcaaaaaga ccaatagaaa atctgaaaag 300

<210> 2357
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2357
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 aagcagtgc caaagcagac acagttcctt ctccagtgc attataatcc agatgggata 120
 ggctataaat aaaggaagaa gttaacatat atcaggtggt ggtagtgct gctgagaaaa 180

atgaaggagg ggagagagaa aaggggatgc cacaaggcta gggtagagag ttctgtttca 240
 tacagtggta aaggaaggcc tttgtgttga gtgctttgct ctggaacgac tttaggatgg 300

<210> 2358

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2358

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 tgttcattgt aaagaggaaa aatacagatt tctctataat gtcaccactt atttctaatt 120
 gccacttttc atcttgtgga aatgccatgt tttgattcag tcttctgaat ttgaacatta 180
 ttcaggttat ttccaattgc tgggaatatc cttactgcta aaataaattc ttagcattgg 240
 aattgctagg tcaaagatta tgcattgctt ttaagggtct tagaaatgta ttgccagtct 300

<210> 2359

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2359

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 caaaaacaca gaaaaagaaa gtgcttggtc acctcctccc atagaaattc ggctgatttc 180
 ccccttggct agcccagctg acggagtcaa gagcaaacca agaaaaacta cagaagtgc 240
 aggaacaggt cttggaagga acagaaagaa actgtcttcc tatccaaagc aaattttacg 300

<210> 2360

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2360

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 gcctgcagta atgtatgtga tagcacttta taaattataa agcactatgt tgtataaaac 180
 accattatca ctttgtcttc cttcttacct tattttttct tcctttatct gtcttccctt 240
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<210> 2361

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2361

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 acatcacatt tggtgaaact ataaaataat tcccatgaaa attggattgc ttaatatcat 180
 aactgatatt taataatatt taatattgct ctaaaatttc tggctaaaat gaaaatattc 240
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<210> 2362

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2362

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cctctttaga	aactgtcaac	ttgtaagggt	cttcagtgtt	ggtaaactct	tgtcctttaa	180
gggtagatct	atTTTTTgag	gaatgatttt	TTTTTTTaa	agctaaagag	cattagaaaa	240
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<210> 2363

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2363

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gcctgaaaaa	agcaatagag	attacagaat	gtatggaagc	acaaaacatg	aatgttcttc	120
tttttaggga	gaatgcatcc	gacctctgct	gtctcatttc	ctctctgggtg	caactgatga	180
tggaccccca	ctgcagaacc	agaattgggt	tccagagcct	catccaaaag	gagtgggtca	240
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<210> 2364

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2364

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taggaggcta	actttatact	tatttaaaag	ctcttatttt	tggttcatta	aaatggcaat	120
ttatgtgcga	cacttttattg	cagcaggaag	caggtgtggg	ttggttgtaa	agctctttgc	180
taatcttaaa	aagtaatggg	tgatttaaaa	agaaaaaagg	aaaaaaatct	ttggctgaat	240
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<210> 2365

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2365

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actctgctgt	gtacctgctg	tgtgaccctg	gtcaagtttc	taacctctct	gagctccagc	120
ttcctcacct	gtaatatggg	aatagcagtg	tcttcttcat	ggtgtggctg	tgaaaatcaa	180
atgacataag	aactcaggtc	ctgacatatg	gtagaaactc	agtcggcagt	agctatttct	240
aacagagttt	cccctctcag	catctgatag	ccttctctgt	cccttccacc	ctccacctgg	300

<210> 2366

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2366

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ttattttgat	taatcgcttt	ttttgctttt	cagcaatggt	atttatgaac	aacaaaatta	180
tagaaaaagt	gagaaaaagt	caattatcaa	ttattttctg	atgaacaaca	acaaagacaa	240
aaaaatgggt	ggattgattt	attttccctt	gacagaattg	attgtttctt	taggttctat	300

<210> 2367

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2367
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 ttaaagtcag ccattgttta aggcagaaat tcagggttag atatagtgtg gcaaagattt 120
 tccattatat gagatatcga tctattataa cataaaactt ttctcttggc tttctatttt 180
 actgtctttt gttgccatca gctgtatgcc ccttaatttt ttctagtaat accttggaat 240
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<210> 2368
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2368
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 tgctagtata gtatcagcct cacattggaa ctgggttagaa atgcagactt ctcaggatcc 120
 acctaatgc agtagttaat tttaacaagc ccttcggtga tcttgaaaca tgttacagtt 180
 tgagaaacac tgctataata cgtttcattt aaattgtttc aggttggtgg ggtaggggaat 240
 aagactacca atttattcat cttctgtgca atattacctg tttacctaac tcttagagat 300

<210> 2369
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2369
 aaagaactca aagggcagca ataccagcaa gaaggaaacc agttaggaga taattgtagt 60
 aatccaggga aagaaagatg gcagtttata ctggggcatt gccagtgtgg atagaaatag 120
 atctcagaag aatttttagga agtagaagtg gcaaaacttg gtgactgaat tgtgagggca 180
 gaagtgggag aaatcaagga tagagtttct taaacaagct ttggtgaaga cagggactac 240
 cctatttgct gtcattgtatc cacagcttag cacaaatctt tatacgctgg agatgcttga 300

<210> 2370
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2370
 gccctctaca gctgctgtgg atccccccac tgacctccaa atccccctcg cctgtctgag 60
 ttcacaagca gctgtggtgt gtagcaagtt gatagctaag gagcttctca tgggggcacc 120
 aaggagctgg tggtactggc atgcaggcac agttggtgtg tgcaactggg gagcatgacg 180
 ttaatgcccc tggaggctgc cttctgccag caggggtggg aggcaggga taaatgcccc 240
 aggtctttat cctctgctag gatgattcta aggtgagatt cacagggttt ttcattagggt 300

<210> 2371
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2371
 ctgagtctcc ttatagatga ggcagcagag gccttttaca aatacctctc ttgttccagt 60
 tacacaagtc ataatttact gagcacgatg gtaaaatcct ttaaaaatgt agtaaaaaga 120
 acagagtatg catatgcaaa ggaggagatt ggggaaagca aattagaagt ctatgcattc 180

tgtagacagt gaaagctggt tcaagcagaa tgaataagaa agtaatttaa aaagaaggca 240
 tcacttattg actaagggtca aacaggagga atacacataa aaaccagaaa ctaacttcaa 300

<210> 2372
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2372
 gagaggggtgg catcaggagc tgctcaggct tggcggaggg agcggcatgg gcgatgtcac 60
 tcagcccctt cccgggtccgc ccgcttccct ccttcattgat ttccattaaa gtctgttgtt 120
 ttgtgactgc tgccagtgtg gttggccctg cccctgcagg ccacatggtc cagggaggga 180
 gggggacatg gaaatctgcc ttagagacaa atggagtagg gcagcccgga gctggggccc 240
 aagggacagg acaccactgc ctgctcttcg tctggggcct ggggccttgc ctcccactga 300

<210> 2373
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2373
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 agtcggtgga tgggtaatgg gatgcccgtc tcccctactc cagatgattg atgaagaaat 120
 ggaggtgtat ggagatgagg tgacttggcc aggatcagag ctttaagtga cagaggcaat 180
 attggaactg aggtttccct cattcaaaag ccagtgggtc ttgtttgcac tgccacactg 240
 gagcagacta actgagaccg ctcttgatgg gtccttttct acgagaggct ttgcctgccca 300

<210> 2374
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2374
 caaacctggt ggaggttcag cacaggacct ccaacagaag agaaagggag ggaagtggg 60
 ttctcacttt gctgtttta atacgcagct acttgagtat gactatagat tggggagyat 120
 acatcgaaac tgtagtttta ccatgcttc tgaactttat cgccaagggga atgccagtgt 180
 ttcttggegc attgattaaa gtggcgttct gactgctcag tactagaaat gctgcgaaaa 240
 gggtctcttg agtgggacgg ccctcgttt cattatgtcc cccgcttctt cctaggtaag 300

<210> 2375
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2375
 gttgttttca aagctgagtg agataacatg ttctgcataa tgaggaaata gtaaatgttc 60
 aatatatggg agctgttggt accattgata ttaatatata taatagtcct tgcagctgtc 120
 ttctaaagaa cagttgtttg accctgaaag caaaagaagg agaaagcata ggttttgggt 180
 cagatcctgc ctggcttttt tctgttacac tgtgctgtc cacataacct taaaaaatga 240
 catacatcta tggtttcaac ttcattagct ctgtggagag gaatattacc attttccaaa 300

<210> 2376
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2376

gaaaaatata gctaacactt aatgtttgag gtctgagcac tttacattaa atattttaacc	60
tataaaatga aatgagaact tacttttatt atcctcactt atacagatga ggaaaccaag	120
acacccagag attaataatt tgcctaaggt aacaaaatta gtaagcatcg taaccaggat	180
ttttggtcag tctacacacc ttccccgttc cctcactata gtgcctgctg caaattgtac	240
tttaagctat agttggacaa aatattaaaa tctatctggg atgatagggtg accaaaaaaa	300

<210> 2377

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 2377

ctcggacata aattatttca ttcacacccat cttcccttcc cacacacaca ccctggagca	60
aacactggca ccggtttctaa caactcaagg ctgcgtcccg aggatgactg ctccagctct	120
cttacgttcc tgcctgagag cctgccaaga gaatcaactg tttgataggg cccatctccc	180
aggctttgag agagagtagg ggcctaattt tgtaaagctc cagntagtaa agccagagag	240
cctaatacgcg ttgacagccc ctttctctgct tttcagttat ttctgcttcc ctgaatactg	300

<210> 2378

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2378

actaaagggtg tgagccactg cgcccgcat aagtaagaat tattaatctg ttcttgcttc	60
agaacatctg tcttttcaac ttaatacgaa caaatataaa tattaaacac ttcactttgt	120
cttcaaaact gctcaaaaca cttcactttg tcttcaaaac tgctcccaga attttcctag	180
catttttggt gattcaacat tcatgtcaaa ccaccacact tgggctcccc agttttcttca	240
tttctctcatt gttgcatgca aaaaatttttc tctgctctat ctcagccaca tcttaacctt	300

<210> 2379

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2379

ggttgttcta ggtagtttca tgcggatgct gacctaaact agaatgtaga aattagtagg	60
aaagtgaatg cccactaggt ggaaacctga aagcacgggg acctgcgac ttgtttactg	120
ttatattcct gctgcgcagc tcagggtctc tatgtaaaaa atgagtgaat ttattttcta	180
gctgggtgcct acaaaataat ctgcaatgta tccatactgg tttattaatg gtaacagatg	240
aaccgtacta atatgagata ataggggaaa ctagatatgg agtgtatggg aattctatct	300

<210> 2380

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2380

ccagattgaa agagtcttga gtactcagca caattaatga aaatagacta atgctgacat	60
acattaccat gataagtcag aatactggag gcaaaaagaa gactctgtag tcttccaggg	120

aggggggaaa	tgtcacagac	aggatcagga	gtcatgatga	cctcagcagc	acttctggaa	180
gccaacaacat	gaggcagttt	tcttcaaagg	tatgaaagaa	aataattact	gatgcagcct	240
tttctttttt	aaccaaacia	tgaatgaagt	gtgaagatgg	aatcaagata	agttcagaaa	300

<210> 2381

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2381

aacctctctg	tgtctcttat	tccacatctt	tcacgtgggg	ttgctgttat	ggttaattag	60
aaaattctgg	acctgattca	ttaacccccg	ttttcttctc	taatgtgtcc	tgaagctgag	120
ctagatgatg	agtaaattct	ttgctgactg	ttgctcatca	ctttctctca	aagttagaac	180
ttttcagtat	aaaaataatt	agcttttaac	tgattattaa	tgttctttaa	tagtttctgt	240
caaaacttgt	ctaaaatttg	tggtgtgcca	aattggaaat	accactata	atatggcgca	300

<210> 2382

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2382

gcactttcgg	aggctgaggt	tacaggtgtg	agctgttgca	cgtggcccggt	tttgccgttt	60
tatcttcgta	ggagttgccg	ctgctcagta	ctcccgcttc	tggtctcact	cacgtgtggt	120
gttctctgtg	gacgctgagc	ctctgcagaa	gctgctgact	ttgtcaggtc	cgaggctgtg	180
tcctcagcac	caaggacagc	acagggcgga	cactccgcgt	atttgagtga	gaaaatgaat	240
gctttgcaac	aaccatatcg	tattgaaccg	ttctgtgaac	gaggccctt	tgctagggct	300

<210> 2383

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2383

gcactttcgg	aggctgaggt	tacaggtgtg	agctgttgca	cgtggcccggt	tttgccgttt	60
tatcttcgta	ggagttgccg	ctgctcacta	ctcccgcttc	tggtctcact	cacgtgtggt	120
gttctctgtg	gacgctgagc	ctctgcagaa	gctgctgact	ttgtcaggtc	cgaggctgtg	180
tcctcagcac	caaggacagc	acagggcgga	cactccgcgt	atttgagtga	gaaaatgaat	240
gctttgcaac	aaccatatcg	tattgaaccg	ttctgtgaac	gaggccctt	tgctagggct	300

<210> 2384

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2384

tcctaaaccc	tctgtaggct	acatgccttc	cgccccactg	caaagggtgtt	tatcagagtc	60
accaactcaa	ctttgccaaa	gctaatagtt	ctcaagtctc	tttttttaaa	ttctccaata	120
gaatttgatg	taagtattcc	ctcctccttg	aaatactttc	ttcacttggt	ttctaggaca	180
caatagagaa	cctctttgtt	gatcttcttc	gttttcttaa	ccctaaatgt	ttgagtcccc	240
cgaggcaata	ctatcttgtc	tctatctctg	ctgccatggt	gatctcattc	aagagtcagt	300

<210> 2385

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2385
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 acagttccag atacagcatt atctatttag atttaatttc gcttatacat gttttcttgc 120
 tctctgctgt tgtttacact ctttattttt ctgttactga gatcttcatt cttactataa 180
 tttttgtttg ttaggagctc ttccatgagt aattttcgtt ggacagtctt aatgggtagt 240
 atagtttctg agctattaga cgcccaaaat attttttcat ttgcctttac atatgaatgc 300

<210> 2386

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2386
 aagcatggct ctgccctctt gaaagactaa agaaatattc catcagcagt ttactttaga 60
 agaactgaaa gaatagggtg atactgaacc cactcccaga gccaggtagc tgaaagggca 120
 ctgtgattgt tatcttacta ggaacacgtg gagtgggagt aaggcagttt tctgcagaaa 180
 agagggattc tgggcagaca aaaactacat atgcactatg ttttgttttg tttttttgtt 240
 tgtttgtttt aaattaaaac cagaaaaggc gaagacttgg agaatgctca aaattttttt 300

<210> 2387

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2387
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 ccatggagaa caccaggagc cacagacccc agaccacaga gcacacaggg gagggcacgg 120
 ggcggccggg gcagggtgtc tgctgectcg tttatgggat ttgtctccg tctagcacac 180
 tgctgectgc agtgctctcg tcccctgcag tggctactct gggcctacgg gectaatect 240
 ggttggcatg aaaatgtcct gaggtacttg tgacaaattt ccacaagctg agtggcttaa 300

<210> 2388

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2388
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 ctaacctgtt aagagattgt cttcaaaaata aaactgttat taactacatt aatgttagac 120
 aaagtacact ttagggcaaa aggcattatt agggatagat ttcataatga tagagttcta 180
 tagtagaata tagtaatgca actgaacaaa atgaagctca ttccactgca tggagaatc 240
 tcacagatgt gatgctgaac aaaggaagcc acgtacaaac acttactata taatttttatg 300

<210> 2389

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2389
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 gtacagtatt tgagatatta gagcagtttc tcctcctttt gcaactaagg acatgtatcc 120
 ttaaagcaga aggaatggca gagtcgtgta ataaaccctc aagtaccatt acttagcttc 180
 aacaactatc gacactctac tgttcttggc tcatttatgc ctcacctcct tcccatcccc 240
 cacttgaata ttctcatcct ttttttacag tttttaagat aacaattaca taactgaaat 300

<210> 2390

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2390
 cctaggttct agagtaaact ctgccactac ctagctaggt tgacctttaa caagtctatt 60
 taactttttc ttaggttatt tctaagagag tttcaaatg aaaaaaata ctatgtgttt 120
 gtaattttat gattataatt ccatttaagt aaaataacaa aaataacact cgtatcatag 180
 acattagaga gttcttactt ggaaagtttc atttcctaata gacatcactg aaacagcagg 240
 tatgacagag ggttccctga ctttgatagt tttaattatc ttaatttate ctctgtcctc 300

<210> 2391
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2391
 gcggtctggcg gcaaaacctc tcgagtggag ccctgcccga gtgccgcggg ggagaggccg 60
 cgagcgggac cgagaagtgg gctggggagca gaggtcgcgg aggtggcgag cgaggccggg 120
 gccagggcgg ggaccgggag gggcccggga gtggcgggca cgccaggggc agggagccgg 180
 gcgagggagg gggcccgggg ttgggggaagg gggcccgggg agggaggtaa acagccctgc 240
 aggcctcggg gcaccgttgc tgggcggcgc cggcggcatg tgctagggcc cgtcccgcac 300

<210> 2392
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2392
 ggcaactgta agaaattctt ctttcaaggc agttgtcttc gtatctatca ttttaccata 60
 cctgggttaa acagagtcac aggtacatat taaagcaagc cttcatacat gttggccctc 120
 tatctaaaag cctcttccca ctcccttccc ttacactggt aatccctggt attccctaga 180
 tgctgtctt aaagagattt cctttggtta atcaccctga accctcagac tagtccagac 240
 ctctctttga tattttctc ttgacattca gcatttatcc caattgaaag taataattac 300

<210> 2393
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2393
 ctctctccag gcattataat attaggttaa tttagaggag catatttata tgtggagtta 60
 cattgtgttg gccattcagg agactgactg tgaaagaatc caaactttat atttctgcct 120
 tgccagtttt tttttcctt tcttcaactc atttgagaca ctcttgacct aatccagtaa 180
 actctaatta atagtcttg taaattctgt ttcaagccat cctgagtagc gtcactgaca 240
 ccgatctgt ttcagtaagg tcaaattagc atcctttact atttttctgg catttaaatg 300

<210> 2394
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2394
 ctcatatgcc agtcacaagt cccaggcctc tcatacttct gaccgactgg ctacaaatca 60
 ggggttccca ctacctctc agattagata atttgctgga taaaactcag gaaaacatta 120
 ttattaaggg cacaactcag caacagccca gtagaagagg tgcacggagc aagcacgggg 180

ggacgtggag tttctgtgcc ctctaggggt ggctctctgc ccagctcacc cttgtgtgtg 240
 caagggtcccc gaatcttgta gttagagttt ctgtagaact caatctctaa tcctttcctt 300

<210> 2395
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2395
 gtggaataat atcttttgaa ataactaagt ccactaaatt atacagtatg ctattctgggt 60
 tctaagtaca tattagtccc ttggcaaatc tgttctttca aagcatacct tccccaaatg 120
 agcctaccta cttcttaaaa aacatataac acaatgtgggt agtagtaggt gtaaggaagg 180
 taagtttttt catagtggta tgcaaacata tcattgaaat attacataga tataaagact 240
 tagggaataa aaatagcagc aacaaatact tgatagattt atcctacttg ggagaaatat 300

<210> 2396
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 2396
 aaactcttaa gtatacgcta cggctctgtgt gtgggtgcttt atacgcacca ttttacttaa 60
 tcctttgtta agcagtatta ttttgaggaa acagattgag agcgattatg taacatggcc 120
 aaggtctgac acttagtaag tgataaactt gggctctaaa tactagtctt ttggacttgg 180
 gcatttaagg acgactagcc tgtattacat ttcccttgag atccttcctc acataggagg 240
 tgaatttaaat aatctggatt tcttgaaata anntanactc caccaaaaca antcctgcct 300

<210> 2397
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2397
 atgaatttgt ctctgaggat attcaaagaa agcagcagta gtagtggtta aggggtcccag 60
 ctaggccttt tcagttcttt cctatcattg ttaatgtaga caaccatttc ccagattttt 120
 gagataaatc aatttattta tttgcaatat ttacatgcct acatgggtttt ttaaagttat 180
 tttaatgtat ttttaatgat taaaaaatta tgtcccgat ttattagtca ttcattactt 240
 accattattt gcatttaatc cttaaagcag aagtgtacaa aaaagagatt aatgtaaagc 300

<210> 2398
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (292)
 <223> n = A,T,C or G

<400> 2398
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tacagtgttt ttcattaatg acttccaaat gtctcacatg tattgtctct tcccagtagc	120
ataaaciaaag atgcagggag gtgcaatgag ttcctacagg ccctagagct gacggtaggg	180
gtgggaatac agttcacacc gcgtcttcag ctgngttcct tgtggatgac nnccactgtc	240
agncaantga tnaaancagt tntcaatnct aaantgctgg anantnactg ct	292

<210> 2399

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2399

attttaagtg tgcagctcag cccgtattta gtgtattcac aatgttctgc aaccaccaggc	60
ctcctgagta gctgggtgtg caccctgcac ccagccagaa gtggaatata ttgttggggc	120
tgggcttaga gctggagctg gtggccggct ctgctcgtt acagaattct gtacggtttc	180
tgattttctc cagcccatct gtccttcact tgcaagcatc tgatgactgc tgcattgacc	240
ataaaaaacat gcaaatatat aattcttggc ttgaggagg tgaccctatg aaattgactt	300

<210> 2400

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2400

ctcaggggat tgaaatctga gaccttaggc ttctatttca ctgaattctt ataataccac	60
tgcaagttga ggtatacatt tcctgatttt atggataaat aaactactgt tacaataata	120
ctgtggaaca agcaaccaca aaatctcaga gtcacaaaca tttatatttc acttgggcac	180
ctgtagggtg gctgtgattt agctcatcta agctggactc agctgggctg ggttcaggc	240
tctgcagtag gtccagtgtg tacagcacc ttgatgtaag taactccatc ttagaaaaat	300

<210> 2401

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2401

gatggacagt ggcactcggg ggcagtcacc ataaaaacaga gactgctttg gtgtgaccga	60
cggtgaggtc ccacctgccc cactgtccat agaggccgtg acctttctg cctccaggta	120
aacacataag tgcttcccgg gctgacttcc gatgtgtatt aggatcccag tgagacttct	180
tgggcggatg ctgaaaacaa gcttaaatc tgcccccaac aatacagagt gagccaagac	240
gacatgacct ccttcttcag agaaataaat gcctttctcc aaagcctcta gaactatagt	300

<210> 2402

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2402

ggtggggcaa ggacagtccg ccgaggtgct cgggtggagt atggcagtaa gctcataaag	60
aagcaagata atggaatata caaatattac tacgacttta tgggtggcat accttgattc	120
ttgatccacg tggtgtgtt cagatctggt tagcacacat tgacatcagg ggctgagcca	180
ccagtggag tcaaacccag cagccctgtc agtctacct ctctcttgac ttgatccagc	240
ctcataactt cactttccgc aggagaaaca cacctcttga ggtcctctgt cacaataagg	300

<210> 2403

<211> 189

<212> DNA

<213> Homo sapiens

<400> 2403

cagaactcat atagtgtttg aaggaatgca aagttgcaaa gtggtacagt gtttttgtaa	60
cgtaacagtt ttttaacatat ttaaacatac acttacgatg tgacctagcc attccccctt	120
gagatatttg ctcaaaagaa attaaagcgg ccaggatggt ggctcacacc tgtagtccca	180
gcattttgg	189

<210> 2404

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2404

gggccatgta cctccccggac accctctctc cagccgacca gctcaagtcc aactgcaga	60
ccctcccaga gattgtggca aaggaagcac aggtgaaagt ggccgaggtg gagggcgagc	120
aggtggacaa caaggccaag ctggaggcca cgctgcagga ggaggcggcc atccagcagg	180
agcaccgtga gaaggagctg cagaagcgct cggaggtggc gaaggatttt gagcccgaac	240
gtgtggtagc tgctccccaaggccgggga ccgagccaca gccagaaatg cctgacacag	300

<210> 2405

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2405

gagaatctta tattttttaa attgtcccta tgttaaatac agatggtgtc atcaatggaa	60
atcatcgctg ttctttaagt ggagaggatt tgaataggca gtggcaaatg ccaagtccgg	120
atttacatcc tacaatttac catgctaagg ggctgttgca atacttggtc gcagtgaagc	180
gtttaccctt gggttattgt gattatcatg gccattcccg aaagaagaat gtatttatgt	240
atggttgtag catcaaagag acagtgtggc ataccaatga taatgcaact tcatgtgatg	300

<210> 2406

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2406

atcaggcaac tcatactgaa gagaaactct atgaatgtaa ctagtttgta aatcagctgg	60
gattttcttc tttttatttc attcttttaa aaaatttatt ttaaggtagt acatgtagtt	120
ggaagaacta ctataaaaac aatatatgtg ggaaaacttc cagccctctg ttaattgtgt	180
gtctcaaatt tgttctggaa aagaaagggg gaaagtctat gaacgacttt tcaacctggc	240
aattccatat acaatgttaa acttgattct tatgacatat tcctatgaaa ataataaata	300

<210> 2407

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 2407

cttttccatg actccaggtg gtgcctctct ccatgtttgg tcccttctgt gcccatggtc	60
---	----

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tgtgaatttt	ctgaatccct	attccaggat	ttctgggaat	aatgtttact	tctagaatgg	180
gcctgttgta	aanccatctc	atcgagggtg	ggtaaagcca	ttggatgagg	aggggactgc	240
catggaaagg	agagtttggt	acttacgggt	ctgagaggag	gggccacata	ggaaagcccc	300

<210> 2408

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2408

ggtaaccaag	cacttcgtag	tggccaccaa	tcaggaggaa	gtccctgatt	gacctagctc	60
aggtcacatg	gccattctca	gtccagtcaa	tgtggccagg	cataagttag	gggggagaat	120
aggggtctgga	agcagggaac	ctaaggctga	ttcacgctga	tttcctagaa	tggaattaaa	180
aggaaaaccc	caactttcca	tgcccaagta	acaaaaggat	cataagctac	ttcctttgca	240
ccccaccca	ctttttcttc	gtggcagatg	gaaaatggaa	agtactctga	ttggtcccc	300

<210> 2409

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2409

aagaggtaga	gatggaagat	tttgatgcaa	atatcgaaga	acagaaagaa	gaaaagaaag	60
atgcagagga	agaggaaagc	gaactgggtt	acattccgaa	aagcaaattg	gagatggaca	120
catctgaggc	aaagctagac	aagttggatg	gcttgaggac	tggtactaaa	aggaaacgtg	180
actgggaggc	cattgccagc	agaatggagg	attatcttca	gctccccgat	gattatgata	240
ctcgtgcttc	tgagcctggg	aagaagaggg	tcagatgggc	agacctggaa	gagaagaagg	300

<210> 2410

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2410

tctgtggttg	gaagcctgaa	tgtgaatcgc	tgcaaccaga	ccacagggca	gtgtgagtgt	60
cggccagggt	atcaggggct	tactgtgaa	acctgcaaag	agggctttta	cctaaattac	120
acttctgggc	tctgtcagcc	atgtgactgt	agtccacatg	gagctctcag	cataccgtgc	180
aacagttctg	ggaaatgcc	gtgcaaagtg	ggtgtcattg	gctctatatg	tgaccgatgc	240
caagatggat	attatggctt	tagtaagaat	ggctgcttgc	cctgccaatg	caataatcgg	300

<210> 2411

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2411

ggtgggtcatc	cctaccttgt	tcctaattct	aggagaaaag	aatttgctct	tcaatgagta	60
agtctgatgt	tacctctggg	atttttttgt	agatgctctt	tatgtgtttg	aggtaaattct	120
tgtctagttc	tagttttttt	gagtgttttt	accttgaata	ggtgttggtg	actttgtaga	180
tattaaaaat	actatgaagg	gagactggat	tattcttttt	tagctggaaa	tagagtagta	240
tgtgaattag	aatgataaag	tctgactgtt	gtctcaggca	tacaataact	aaggcaccaa	300

<210> 2412

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2412

ggcctttttc	cttggtttct	tcttagtgac	agcatttttt	ggaactggaa	atatagcttc	60
tattaacagc	tttgatcttg	cctctgtcta	ttgctttctg	actgtgttca	gtccttttat	120
gatgggagcc	ctgatgatgt	ggaagatfff	aatccccctt	gttcttggtt	tgtgtgcttt	180
tgaagcagtt	cagttgacta	ctcagttatc	gtcaaaaagc	ctttttctca	ttgttctcgt	240
catatcagac	attatggctt	tgcatttttt	cttcttggtc	aaggattatg	gcagctggct	300

<210> 2413

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (289)

<223> n = A,T,C or G

<400> 2413

gtccatcttt	gtagctgaca	tgacacattt	taaaaatttc	acattaaaat	gaaggcatct	60
aatggctcca	ttatgtcttt	tagagtgggc	tggcccagct	aattgcatat	tgaaatacat	120
tagatttgtc	ataaattact	ttcctttatt	gtctttcttg	tcaatcttag	gacattaaat	180
gtatatgttt	gaaattgtgt	ttaggtaggt	tatctgagca	ttnggttcag	atanntanag	240
agagcgntat	angttcactg	tnntccccac	nggcttngcg	actgatatg		289

<210> 2414

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2414

gggcaggctt	tgagaggatc	gactgcaatt	ttgaaagaag	ttgtaccgtg	agtaaaatgc	60
gatcaaacag	cattgcatgc	ttcagagaaa	tctttcttca	caaaagggaac	aattgggtgca	120
gcaaaattaa	ttttcttatt	ttaagaaatt	gtcagccggg	tgtgagccac	catgcccggc	180
cgacataggc	tattttttta	aatgcaagct	cttctgaacc	atataatatg	atgttttaaa	240
atatagactc	tgaagacaaa	gacctgggct	cagaatcagg	ccccaccact	tattttcaat	300

<210> 2415

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2415

cccaagtcag	actttggggc	ttacaactga	taatgggtctc	cacaccttca	cttctgggtgg	60
ttttacatgt	agcctatcat	gagggtagag	agaaaaggca	cagaaagaaa	ctctatgtca	120
gccaggtac	aatggatggg	ggcctatggg	acgcttatct	tatcagcctc	attgttaaaa	180
ctgggtttga	aattggcttc	cttggtttat	tttataagct	atatgatggc	tttagtggtc	240
cctaccttat	aaagtgtgat	ttgaagcctt	gtcccaacac	tgtggactgc	ttcatctcca	300

<210> 2416

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2416

ccgggtctag	ccaacatgtg	actacaactg	catgaaagac	cttaaagtag	acctactcag	60
ccaaactctt	cctaagtcct	gtccaaacaa	aaccatgaag	gataagaaat	ggttattatt	120
atTTtaagct	accacctttt	ggtgtgatta	ttatatgcaa	taataggtag	cagacactgg	180
ctttggttgg	acatgtatgt	tctctgcata	ttctgctttt	gtgcatgtgg	agaaatgggc	240
tttctgggct	gctgacaatg	aggaggtaga	gatgttggtc	aggcagatgc	gtttagactt	300

<210> 2417

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2417

agaaactact	tctatgattt	cagctggagt	ctgaagatac	ttgtttctgt	tcaagtccca	60
ctttaaatta	tgtcttagga	gactgaaagc	ggaatcttct	gagcattcct	agatatctgc	120
ttagaaatat	catgcgataa	agagggacct	tcttaataca	ctgatgttct	tcactaaatg	180
gatggccaca	agaaaaataa	agtagcatgc	ctataaataa	ttgaaccata	aattttcatg	240
tcatgtgata	ctggaatatg	ggatactttt	catgtttata	tatatatata	tatatgtcta	300

<210> 2418

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2418

tctagctcag	ggtctctcat	gaggtttcag	ttatgatgtt	ggcttgtagt	gtgtcgtctg	60
aaggcctggc	tgggctgaag	catctgcttc	caagctcact	catgtggcca	tttcccagag	120
gccagtagcc	ttactggctt	tttgccaggg	aggccttaat	ttcttacata	tgggcctctc	180
catagggcag	catgcaactt	ggcagctggg	ctcccttaca	gtgaatgata	caagagagta	240
tgagagagtg	tgccacaatg	gaagccaggt	atctgttata	acctcatctt	agaaatgata	300

<210> 2419

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2419

tggaaaagaa	aataaaattg	gcagctcact	cttctgtcat	ttgatcttct	gtcatttgct	60
tttctgagtt	ttggccctcc	tgtacaatct	atctgggtcg	gtttactttt	ctccatcttc	120
aagcagggtg	tgtcttcaag	catgcatgtc	tgtgttttga	ttcggaattg	atagttataa	180
tagaagcatg	agctgctggg	aaattatacc	tcctgatttg	tgtggtttta	tttgttcatc	240
ttgcaggttt	gagtagtttt	tgggtggatgt	gttggggagat	ttgaatgtta	cttagctgtt	300

<210> 2420

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (286)

<223> n = A,T,C or G

<400> 2420

actggctgct	ctaatttaca	ttcctaccaa	cagtgcataa	gagttccttt	ttctccagct	60
actcaggagg	ctgaggggagg	agaactatct	gaaccctaga	agcagagggg	gccagattac	120
accaccactg	cactccagcc	tggacggaga	gtgagattct	gtcaaaaaaa	aaaaaggccc	180

nttttttttngnn ngtttttngnn annttttngta atttnggnct tttttnnnaan nccccnncna 240
 nnggatnnaa aagnnccct nannggggnt tnantaannn ttcctt 286

<210> 2421

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2421

gtcaagcatt ccacttttcc tatctgcaaa acagggctta aaatagtata tcaaacaata 60
 actagttaga agatacaatg gaagaaaaag tgccactttc aggagcaaca aagatgagat 120
 accagaaata aacttaacaa caaactctaa aacctacatg ataaaaaatg taaaacatca 180
 ttgaagaaca taaaagaagt ttggaacaat tgaagaatat gtcttcttca taactggaaa 240
 tacacagcac cataaagatg ttagtttaag gtaatttata aatttaatgt gatgataaga 300

<210> 2422

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2422

gccaaatcct tcagtggatg tgaaaggaat aggagatgaa ttatataatc cagaaacaca 60
 taaacgacat actttgtttt gtgggacaac tggtattcag actcgtttct acactggaga 120
 actcgtcaaa gccatagttg ttagaacagg atttagtact tccaaaggac agcttggtcg 180
 ttccatattg tatcccaaac caactgattt taaactctac agagatgcct acttgtttct 240
 actatgtctt gtggcagttg ctggcattgg gtttatctac actattatta atagcatttt 300

<210> 2423

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2423

ctttagcccc agtcaagtta cctcagcaaa gactagctga ccctgccaaag ccctgcccaa 60
 gttacagaat catgagcaaa taaatgyctg tttctgtttt aagcttttaa attttggggg 120
 tggtttatgt gtcaataata actgaaacag ataatatata cagaataaac tttagtttta 180
 ataatactag taaaagccca ctaattcatt atgcagaaaa aaatgatattt tttagacgg 240
 ggtctcgctc tgttgccagg ctggagtgtc gtggcacaac catagctcac tgcagcctcc 300

<210> 2424

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2424

cagcgcccag ctccgagggt ggagcagccc cgccgggcaa cttgaatttc tgcaaacgaa 60
 cacagcaccg ggagctctgc agacctgtgt cgcgcgaggaa cccggactga gacatgcctt 120
 ttgaacttct cagatagagg aacccagtg aagactgatc agttcttaca attctcaaag 180
 catggcccat aaatatgtgg gtttgagta tcacggatca gtgacatttg aggatgtggc 240
 catagccttc tcccagcagg agtgggagag tctggactct tcccagaggg gcttgtagacg 300

<210> 2425

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2425

ttcaatagca	tgttaagtag	atattatctg	acagacctac	aagtctcact	tatccgtgac	60
atcagacgaa	gagggaaaaa	taaagttgct	gcgcagaact	gtcgtaaacg	caaattggac	120
ataatthttga	atttagaaga	tgatgtatgt	aacttgcaag	caaagaagga	aactcttaag	180
agagagcaag	cacaatgtat	caaagctatt	aacataatga	aacagaaact	gcatgacctt	240
tatcatgata	tttttagtag	attaagagat	gaccaaggta	ggccagtcaa	tccaaccac	300

<210> 2426

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2426

ctttgtccca	atatttgtga	caccagtgtg	atgacttggt	taagttgggt	tgaccagggt	60
cctccactgt	cagggtatac	tttttcattc	tgtaattaat	gtatcgctat	atattttata	120
tactttgaaa	ctgtaaacad	cttgctctca	tcaaaccttc	acctaataat	tttagcagtc	180
attgctaatt	ttttaaactc	ccattctttc	tacatttagt	agttggcatt	ctactataag	240
gaagaatttt	ccctttttcc	ttatttgtgt	atacttattt	attaatattt	attattttatt	300

<210> 2427

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2427

cctgtgtcca	ggccactttc	caacacagct	cggcagctcc	tcccataaga	gggagagtcc	60
ctctggtcac	cccttgaatc	ttggctgggc	ttgggacttg	ctctgacaaa	taggatattg	120
cagatgtgac	attacgggtc	tcctgaacct	aggcctcaag	gagccttgct	gtttctgttc	180
actctccagg	aacctgtcct	acgccatgag	gacaggccca	ggctagcctt	cggatgatga	240
gagacctgtg	gccctgtctaa	gcagcagacg	tgagagatgc	catcttggag	ctgctagctg	300

<210> 2428

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2428

agacacttta	gcaactgcct	aactatcacc	tgatgggtgc	cttcctctcc	tgccctgttc	60
atgtctgtct	aactacctac	tctaacagca	gcagcagcag	gaataatagt	actctttaat	120
gataaactgc	cttggaaggc	cttatttgta	catgcaatgt	tgaatcttca	gtttccaagt	180
ggaaaatgtt	ggtcataagc	atcttccttg	ggcttggttt	ctagattata	tgtatagtct	240
ttttattttg	aagtcactca	ggacccaccg	taagttataa	gatactacag	agaatttcca	300

<210> 2429

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2429

ggagagagaa	tgtctttttc	aggcggaggt	cgtggaggct	ttaatcgagg	tggtggaggt	60
ggcggcttca	accgaggcgg	cagcagcaac	cacttccgag	gtggaggcgg	cggaggaggc	120
ggcggcaatt	tcagaggcgg	cggcagggga	ggatttggac	gaggggggtg	ccgcggaggc	180
tttaacaaag	gccaagacca	aggacctcca	gaacgtgtag	tcttattagg	agagtccctg	240
catccctgtg	aagatgacat	agtttgtaaa	tgtaccacag	atgaaaataa	ggtgccttat	300

<210> 2430

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2430
 gaaagcttca tgttccgcac ctggggggcg gatgttatca acatgaccac agttccagaa 60
 ctgtcagaag ataaatttct gttgtttctca gccatccagt ttgtggtact ttgtaacggc 120
 agccctagga agctgatgca ggtgggattg attcccctgc tccagagaaa ggactgtttt 180
 cacagaagag gcgatgcttg aactgaatct gaagggatca atgtggcttc ccttggaag 240
 gcatggagtg aagggtggagt atatcccaag tggggaggac agcacgtgac atggcgagcagg 300

<210> 2431
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2431
 taattatagt ccctggagtt atgcagctaa ttaaagggtca aacgcagaac tttaaagacg 60
 ccttttcagg aagagattca agtattacgc gggtgacct ggctttttat tatggaatgt 120
 atgcatatgc tggttggttt tacctcaact ttgttactga agaagtagaa aacctgaaa 180
 aaaccattcc ccttgcaata tgtatatcca tggccattgt caccattggc tatgtgctga 240
 caaatgtggc ctactttacg accattaatg ctgaggagct gctgctttca aatgcagtgg 300

<210> 2432
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2432
 ctgaagttag gttgaggtgg gtgcacggag ccccatgcc ctgagtgggt acaccagcct 60
 cccagcactt cctcatgttc accaacaagg aagcttatca gagcttggtg tttcagaact 120
 caattgccag ctactgctg aagagattgg tgggtagggc tgaaagaaat atcagtgggt 180
 ctttggtgta ttcagcccca tctgagatg gcctatccag gggctctata agaagtcacc 240
 tcattagcat aaactcacat gtgaccaaaa ggatcttggt atgaataaca aaagatgttc 300

<210> 2433
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2433
 cagagatctg caaattacag cccacatgcc agctgcttgt ttttgtaaata aatgttttac 60
 cggaaatccag ccactccac ttgtttacat atcatccctg gctgctttta tgctacaatg 120
 aagtggaggg ttgagtagtt gaaacaaaga ccttattgct tgcaaagtct gaaataaaca 180
 cactcacaca cactgattta tgtatagaat atgtatacaa atatatcttt tatttatcta 240
 tttttttgag attgagtcct gcttggtgct ctgtcgccca ggttgagtg cggtggcaag 300

<210> 2434
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2434
 ctcaggagct gctgcttttc ccatgcctga aaatttttca gttaagttct ggattttgtc 60
 acagaacata tgacctgcc ttatgcataa gtttgattga attggaaaat cagcaagagt 120
 ggcataaag aacctagaaa tctgagtcgt gtcaaccatc tcctctattg ttcttactct 180

tgattgtaga accaaaggac aaccagcggt gtgattcata gggctgctct tgcctctgca 240
 aggggtgggtcc aaacatgatt ttagtggttag gttcatcatg ggtatgcca agcgatcaga 300

<210> 2435
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2435
 cccctgtgcc ctttccccag gaaatcaagt cctaaggaat aagagtttgt tggacagagt 60
 tgagccttgg agggacacaa aacattgtaa tatctaagat ttttttcata ctctcccaga 120
 aagaaccaat tttcaccctg ggggtggcggg gtggtaaaat tgcccctgtt cagaatacat 180
 gctctaataa gcggcagcca tgggatttta tcctaatact gagtctagat gccaaatctt 240
 tttcaccctg tctcaaaaaca aacaacaaca acagcaaaaa gatcactttg gctgttttta 300

<210> 2436
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2436
 caggtgtgag cccccaagcc ctgcatgaat atgtatttct taatgttata actcattgaa 60
 aagtttcttt taaaattata tatatggccc aatcttgaac tatcttattt tggaagggtt 120
 tatctatttt taatttatgt cctccgcct ttctcatacc cagctccaca agaaaataca 180
 gatctgcaga aaatgatttg aatgcctact ttctcactcg tccaaggatg atgtctgcata 240
 gctagtacca ctctagatgc ttggaagaaa agttaattca atcaacagat agtgcattag 300

<210> 2437
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 2437
 attgcactcc agcttgggca acaagagtga aacttcatct caaaaaaaca gaaacaaaca 60
 aaaaggcagc tgggttgtca ctgatgggca gcatttgagc ctgccacact ggcttgggag 120
 gtnccttcc agncnggatn tnnnangcta nttntttaca nntaangctg tcacgantga 180
 nacctngcta tcaactgtcag ctgnatatgg tcactctatc acgacatgct atatggnccg 240
 tcaacagagg gccctactt tacnagttn gaccnaacac acttcaggnc tgancttggg 300

<210> 2438
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2438
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 taatatttgg taaagggggt ttataaagaa accaatgttt attaaatgaa gaactgaaca 120
 ttgcataatt gatagtcaaa atatatagaa cattttaaat gaaatatgaa atttgaaaat 180
 attgtcagga acaaacatgt ttctctatca caaactctaa gaaaatgact actggaaaat 240
 aaggctatct gccaaattcc atttgggtata cacctgtact attctgtgtt ttttgagtag 300

<210> 2439
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2439
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 actttgtgct gtattttata actattaagg aatgttgagc agaaatgcta tcaattgtta 120
 aaattttgcc atgaatacag cagcctcact gaattctctt agtagttcta atagcttgcc 180
 atttgattct aacagggttt ctatgtaaaa gatgggtgca tcttcaaaca atgatagttt 240
 catttcttct ctttcacctc ttaccttctt tgtgtttctt tagcattggg caggtccttc 300

<210> 2440
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2440
 agtgctggga ttacaggagt gagccactta ggctagccct gaaatgcttt tgtttttgtt 60
 tgtgtttttt gttttttta gaaaatacag gacatggaga tgtggaaaga caccttgctt 120
 tattactgtt gttattatta ttattactac agtataattc atgtatcaca aaattcacga 180
 tttttaagca tacctttcag tattttttac tatattccaa aagtttgagc ccagcagcac 240
 tacctaattc caaaatattt tcataatgcc aaaaagcatg cctgcaccta tgggctgtca 300

<210> 2441
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2441
 caaacccctc cttgttactc gcccttcata atcacttttg cttcacacac ataacctctg 60
 acagccactg atgtgctctt tatgactata gttttaactc tggaagaatg tcatgtaaatt 120
 ggggctctgt gttttgcagc atcatgcagc tgtaaccttt gattcagcag ataacaatgt 180
 gcatggcctc tccactcaag gtaatgcctt tcagattcat tcaagtggcc gcactctatg 240
 gtactttttt ccttttcatt gctgagcagt attccatcac aagggtgtac cacagtctgt 300

<210> 2442
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2442
 cctaaagtga agatggcagc ctggaaagac gtttcaaggt cagtgtatta gtggctcatg 60
 cctaggggaa ggaataacat ttggagcaaa caggagacaa attgaaaagc ttcaggagga 120
 aaggctagga aataagattc tttgggcgag aataaggact ttaaagagat tccacatatt 180
 cctgggaatc tgaaagacca tacacatgcc tagggctggg catgtgctta aaaagacttg 240
 agagggccct atgctgtcac ctctgcctga ccttcaggct ctgtgcaagc aggaagtga 300

<210> 2443
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2443
 tcctattgta aatcacttg ctaaggctca tgagaggcta gaagattcca aactagaagc 60
 tgtcagtgc aataacttgg aattagtcaa tgaaattctt gaagacatca ctctctaatt 120

aaatgtggat gaaaatgtgg cagaattggg tgggtatactc aaagaacctc acttccagtc	180
actgttggag gcccattgata ttgtggcatc aaagtgttat gattcacctc catcaagccc	240
agaaatgaat aattcttcta tcaataatca gttattacca gtagatgccca ttcgtattct	300

<210> 2444

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2444

cagaggctga ggtgggagga tctcttgagc ccaggagggt gaggctgcaa tgagttgtga	60
ttgcaccagt gtactctagc ctagacaaca gaggaataac ctgtctctca agataaagaa	120
ataaattaat taataataat aataattcta taagtgtaat gaaagaggaa agggaaatca	180
gtaataagga aggacgtgta tttcaggacc attttaggaa tcagggtggca tattgaaggt	240
tgatgatgga ttgagattta gacgttcact agggaaatat ataggttaaa gcatatgatt	300

<210> 2445

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2445

caccctttt aggatttaca ttagttctgt tccagtaaag gcttaggtag gaagcacagg	60
atgtagagct gagttgaacc tattcccctg atcttactaa tgagggtgct gatattcaga	120
gagaccaagg gacatcccca aagtcaacca gcaatccatt agagctgagc ctagtacctt	180
gattctcaga catgaatgct acttggtgaa ttgaaaattg cattcataat acatctcttc	240
atagattcct ggccaggaag cccagagac caaaacagtc tttatcaata tttagaatat	300

<210> 2446

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2446

gtgaagtgga gatagtgat tgacctgtt cttttatttg aaatatattt ccctatgtct	60
tcattttcct tcaactgtctg tgggtgattta tgtacatcag ataagacaac cactctccc	120
agtctcgta gactggtctc atacaggaga aagatctcaa caatgtatcc tgccagagat	180
tttaaggctc ttctccaatc tcaaaaacag actgctatat ctcccttttg tgcccactg	240
gagcttagaa tgtgttatgt cctgtcagta ccctcatgaa tagtatgga ggagcaagac	300

<210> 2447

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2447

ggtgtaaaga tatccatgat gataatgagc tgagtatata gttcattctt cagtatagga	60
aattaaaatg tgagtttatc agaattgagta acttaaagag aaattgcata tctcttttcc	120
tgccttttta aatgtaagaa tctctagaaa tattttttgt ttaaagtagt ggtagagctg	180
taaagtgatt gttttttaaa taattatttt tagaagttgt attttttggg tttttgttt	240
ttgtttttga gacaggtct cgctttgtca cccaggcagg aatgcagtgg tgcaatcatg	300

<210> 2448

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2448

tgaatctgta gatcagtttg ggaaaaatta acatctcaac aatattgagt cttcaagtat	60
atgaatatct ctccactcta cttacatctt tcatttctcc cagcagtgtt ttgtagtttt	120
tcgtgtatag gtctttcaca tcttttttgt catgttatcc ctgaatgttt ctcagtgttc	180
agttctattg taaatggttt ccccggaact tcagctccat ctcttccacc cagggagtcc	240
actgggctct tcttcacctt cctgcccatt acctggagcc tctccccagg cagtaagtgg	300

<210> 2449

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2449

gctatgtgct gacaaatgtg gcctacttta cgaccattaa tgctgaggag ctgctgcttt	60
caaatgcagt ggcagtgaac ttttctgagc ggctactggg aaatttctca ttagcagttc	120
cgatctttgt tgccctctcc tgctttggct ccatgaacgg tgggtgtgtt gctgtctcca	180
ggttattcta tgttgctct cgagaggggc accttccaga aatcctctcc atgattcatg	240
tccgcaagca cactcctcta ccagctgtta ttgttttgca ccctttgaca atgataatgc	300

<210> 2450

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2450

ccatgccag ctgtaatttc ttattaggtg ccagacatta tgaattttac cttactgggt	60
gttgggtaca tttggatgtc ttttaagtatt cctgagaatt attctcaggt gcagttaggt	120
tacttatgaa tagtctaatt ctttagagtc ttgctttcaa gctctcttag ggcaggagca	180
gcctttagtt tatgactaat atggccctgg tactgagaca ctaccattct aagtacctaa	240
ataccaatg ccctgtgtag catgaggcat ttcactctgg ctgataggac tgtgaactag	300

<210> 2451

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2451

ggggcccca cgcaactca aattccctga gcctcaagag gtgggtggaag agttgaagaa	60
gtacctgtcg tagggagatt tgggtagaag ccctcatgct gagctttgtg tccctgggtga	120
tggtggaaca ttaatgatgg aacatggcca aacttcagtc atgatcctga aacctgggt	180
tcaggatcat gactgaagtc atggtttctt ccctgccaga aatgaagggt cagttatgag	240
gcaaccctct agtaaggcat tgtaaaagt actggatttg gtttaataaa agttgaaata	300

<210> 2452

<211> 175

<212> DNA

<213> Homo sapiens

<400> 2452

ctgaatccag tcagacttag aagtagaagc tcgcagagag gaaagtctgc gtctcttcgc	60
aatttggttc tggcgttct ccttctaagt ctgaatccag tcagaaataa gattttttga	120
gtaacaaata aataagatca gactctgaaa aaaaaaaaaa aaaaaaaaaa aaaac	175

<210> 2453

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2453

aggacctcca gttaaatttg aatttcagat gcctatgaat agttttcagt ataagtatgt	60
cccatgcaat acttgggata cgattgtgct gaagtgggtt tcattgtttg tctgaacttc	120
aaatttaact ggacatcctg tatttttatt tgctgtcttg caacttggtt ctgagagaga	180
gacccgagtt cttcccatc acactgtgtg ttgggcaggc catttgggcc acttgatggt	240
ggctaggtag gttctcatct tgagaaacca aatttctgat tcccagctct gtgccggtac	300

<210> 2454

<211> 133

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (133)

<223> n = A,T,C or G

<400> 2454

ctccaaggat cacagtagga tctcgttg tgacagtcga ggccgagttt tcagctggtc	60
tgtgagtgc cactccaggc cgttntgctg ctgatnactg gtnngaaaga tcaagcttac	120
gaanaacctt ctg	133

<210> 2455

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2455

aagagaccat catctcatca aagagagtta aaagtaggga tgttctctgc aaggcctctt	60
ctgatatgat taattgattg taaattaagt aatcaaggca tactttgttg atttgtcata	120
tctgggtaaa aggtttatgg tttatttaaa aaatgaaact gcaaaatcag ttttctacat	180
ttctgttata tttttgttaa agcacttaaa agaatttctg ctctgtccag gggcaagatt	240
cttgccaaga gaattaatgt gcgtattgag cacattaagc actctaagag ccgagatagc	300

<210> 2456

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2456

ggtcagcaat ttgctttttc tgatgagatc ctggtgagag tcatgttcaa taaagtattt	60
agtcacgtgg ggctccagtg atttctctgt ttacaagctc attccttctt cattttctca	120
gaactttggt gttaacagcc tgtttcctat ttgtaggggc tgactttgac ttagcagatg	180
cctttcgtga tggaggaaat aacgaccag cactcttaa ttcaccaag ctgaagccaa	240
atgcgaaccc tgagcagcct ggattcattg acgagccagc accactgaac ccacccaaac	300

<210> 2457

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2457

ctcagcctgt ggccagggtt gtgtctgaag agaaatccct catgttctac aggcccaaga	60
agtacatcgt gtcacaggc tctgagcctc ccgagttggg ctatgtggac atccggacgc	120

tggtgacag	cgtgtgtcgc	tatgacctca	atgacatgga	tgctgcatgg	ctggaactga	180
ccaatgaaga	atttaaggag	atgggaatgc	ctgaactaga	tgaatacacc	atggagaggg	240
tcctagagga	atttgagcag	cgatgctacg	acaatatgaa	tcatgccata	gagactgagg	300

<210> 2458

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2458

gaaggacaaa	aatatggcta	tctgaataga	tgacagaagag	gcatttgaca	aaatctaaaa	60
tattaagtaa	agaagattat	attagtccat	tctgacatta	ctataaagaa	ctgtaggaga	120
gcagccccag	tgcttataga	taaaactccc	atctccctag	gacagagcac	ctgggggaat	180
gggaggctct	gggtgcagct	tcggcagact	taaatgttcc	tgctgccag	ctctgaagag	240
agcagcagat	ccccagcac	agcgtctcag	ctctgctaag	ggatggactg	cctcctcaag	300

<210> 2459

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2459

tctagactct	ggtcgtcagg	aacgggtcaa	ggccttcacc	atgagaagag	caccaaaggg	60
agttaatatg	gggttgacca	gaggtaggca	aaggaaggcc	tgtgggcca	atctggccag	120
ctacctgttt	ttataaataa	agttttattg	gaacacaacc	atgctggggt	ttgtttcata	180
tttctgagg	ctgttttcac	actgcaatgg	cagagggtgag	tggttgacac	agatgccgtc	240
tcaccaaagc	ctatgatatt	tactgtctgg	ccctatacag	aaaaagcttg	ctgacctctg	300

<210> 2460

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2460

gagatgtgtc	cagcgccccc	tgtggtgtgt	gagagaaagc	agctgcaact	caagtgacta	60
ggtagggcca	gctggcttcg	tgacaggagg	cacgtcactg	catacgaccc	ggccaccctg	120
gttctgaagg	acagcgccaa	agatgggtta	gagtcactgc	tgtgggagtc	ttcgtcccca	180
cacagaggac	aggtgtctca	gctccactgt	gcaagatgat	gcacaccag	accagtgcag	240
tcaggacgat	gctgctcacg	acagcaatgg	tgaagatgcc	taccgtggtc	ccatccttcc	300

<210> 2461

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2461

gaaaggccag	tgacatttca	gtattagtga	catccagggt	tcgttctgta	atacttcaag	60
agcgcggtga	tcgtgatctc	aatggcctcc	tctcttcact	cgtccagctg	ctttcagccc	120
ccgaagcccc	aacactgttt	ggcttccaat	cactagtaca	gcgagagtgg	gtggcagctg	180
gacatccctt	cctgactcgg	cttgggggaa	ctggggccag	tgaagaggct	ccggtgtttc	240
tcctcttcc	tgattgtgtc	tggcagctcc	tccagcagtt	tccagctgat	tttgaattct	300

<210> 2462

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(275)

<223> n = A,T,C or G

<400> 2462

gtacttccta	ggagtgggtg	catttgggaa	tggaattgtt	aaaacttgat	gcttaggagc	60
gaatgcagac	tattcattgg	gtgtttgggg	tgggggaagg	gggggtgntc	accccatngt	120
ccatcacctt	cctcctctgn	tctgntgnt	aangnaagcc	cttccggttc	ccncaggcta	180
tgatgctgca	tggcanatnc	tggtataact	cannnctaca	tantggaaat	tttttanttt	240
tctaaatacc	natncngttt	tnctncngtt	acaat			275

<210> 2463

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2463

gcgggcgca	ccggaggcag	tttccgttac	tatggcaatg	acggcagggg	ctacaacaac	60
ctttcctatg	agcaaccata	cccgggaaag	agtgactgta	gccaagctca	cattggagaa	120
tttttatagc	aacctaat	tacagcatga	agagagagaa	accaggcaga	agaaattaga	180
agtggccatg	gaagaagaag	gattagcaga	tgaagagaaa	aagttaccgt	cgatcacaac	240
acgctcgcaa	agaaacagag	ttcttacggc	tcaaaaggac	cagacttggc	ttggatgact	300

<210> 2464

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2464

ctcagctcat	gggaatctgc	ctctcactgg	tcctcactgg	gtttatccca	gtgaccaatt	60
ctaggatgac	cagaagaatg	attccactgg	gcttgggagt	gtttgctggt	acctctaate	120
tctgtgtaga	gttcatggta	cctgtgtgct	ctgtggctag	gtcctcagag	tcagtccctg	180
ggcaggtact	gtcagccttc	agttttcccc	acagactgtg	ttcctggggc	tgaatcgctc	240
agactacatg	ttccagcgca	gcgcatggtg	ctccccagcc	ctgaaacaga	togaattca	300

<210> 2465

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2465

ctgccttcca	acaaaatcgt	ctagcgggca	gaggagtgtg	tggggcagga	gttgcccttat	60
tcgctgacca	gtgacaactg	cgagcacttc	gtgaaccatc	tgcgctatgg	cgtctcccg	120
agtgaccagg	tgcattcttc	gcctgcatcc	ccttcccagg	agccaggcca	ctccctcagc	180
tgccagaggc	tgggtccctg	ctggggccag	ggtgggatgg	aaatagacat	gagcaagaca	240
aaatagcaga	tatgaaactg	ttgtccttga	gggtgtcaca	tttgggggtg	ggacaagggt	300

<210> 2466

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2466

gccatacaag	agactccaga	tatgcagcta	gagaaactta	aggaagggtga	gcttatcaac	60
gtgcattcag	aaagtgggtta	tgattacaag	aatgaagata	tcccagagga	attgacattg	120

tcagaaaact	tcacattaat	cgaattctca	gagatgtctc	acaacattga	aagcacaaaa	180
gatgaaatgt	tagaagctgg	tgcacagtaa	ggataaagga	gtatggcagt	tcaccaaggc	240
atggaaaaga	tgctgtctcc	atattgttaa	gttatacagt	gagaagaagg	aggcgaacat	300

<210> 2467

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2467

gtaaaaaccc	tctgatgcaa	aaaaaagtat	taactttcac	aagctgtttg	tactcaaata	60
cattttctca	gtttcagatc	ctctgctggt	ttattgagtg	gaaagttgag	ctaaaacggc	120
tcaagaagaa	taatgttgca	tttccttatg	tctcaggaaa	cactttttat	ggtaacttgt	180
cagattgtct	atgaacaaac	ccactttttt	agacattgat	aaagtcttct	tttcttcacg	240
tgatatttta	tacaagagca	cttcagatgt	attagatgtg	actgatttta	acaaatccta	300

<210> 2468

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2468

ctgcgcagat	atgctaggtg	tatccacacc	aacatgaaga	cactgacctt	gtcccgttac	60
atctgcgaga	tgaccctgca	ggaataccac	tatgtccagg	agaaggcttc	caagctagct	120
gctgcctcct	tactcctggc	cctctacatg	aagaagctcg	gatactgggt	tcccttctctg	180
gagcattaca	gtggctacag	tatctctgag	cttcaccctt	tggtcagaca	gctgaacaaa	240
ctgctgactt	tcagttctta	cgatagtctc	aaggctgtgt	attacaagta	ttctcaccctg	300

<210> 2469

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2469

gaaagcagtg	gaccccat	ataatcctgg	caaactctcg	tagtggaact	atctatgggag	60
aagggtctgt	gggagaattt	aggatcttgt	tgaatccagt	ccaggtaact	aaagaaaaaa	120
actttttata	ttaatgtttt	cattttcccc	aaaatgcaat	gattattaat	gcttcaagtc	180
actaatcacc	tgatcatagg	aaagaataat	aattacaaaa	agatcagcca	tttaaatatg	240
tgataaaca	ggcactcttg	tggaatata	aatggtaca	acctctttag	aagacatctt	300

<210> 2470

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2470

gagagtctca	ctctgttgct	caggttggag	tgaggcatg	tgatcatagc	tcaccgaagc	60
ctcaacctcc	tgagctcaag	tgatcctctt	gccttaacct	cccaagtagc	taggaccaca	120
ggtgggcatg	accacacctg	gctaagtttt	aaaatttttc	tgtagagggtg	gtgtctcact	180
atggtggcca	gactggtctc	agatgcctgg	gctcagcagt	cctctgect	caacctccca	240
aagtgtctga	tgattgtttt	aaataggaaa	aaatttagaa	ttttataata	tcaaggcact	300

<210> 2471

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2471

ttctacttgt	ggactaattt	tggtgaccat	ctttctgtct	ctgcagtctc	ttaagcagat	60
tgactatgat	gcatgtcaca	taaaacagtt	ttctttctgt	tctattgtgg	agtttttctg	120
gggctggaga	acattctttt	gttatttcca	aacactgtct	ataattacca	gacatgatat	180
aaacacataa	ggtgccaaact	ggaatttact	ctagagggga	ctttccctct	cagacttcca	240
gtcaactcac	acttgtgcaa	caaagtgcac	gctgtccct	aaatatgcaa	gcagaactgt	300

<210> 2472

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 2472

gctttaattt	gtgttatttc	tttattgacg	ggaagaggta	catctttttt	tccttactga	60
aaacaaatat	ggattaattg	cctcaaattt	gcatanntga	ttggctanng	attcttgcnt	120
gcaganngtg	nagnngtana	gacnctatcn	gnngcangcc	gntnctnnnc	naccataaga	180
tcgtgcatta	tcctatgaca	agatgaagcc	cacagatatg	cccgagnnnc	agancacttc	240
ctgnnccct	gcgnaancng	annnagncct	ggncgtnann	ctggcntccc	tacgcgacac	300

<210> 2473

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2473

aagaccaagc	gcatgcgaac	ctctttcaag	catcaccagc	tccggaccat	gaaatcctac	60
tttgccatca	accacaaccc	ggatgccaag	gacctcaagc	agcttgccca	gaaaacaggt	120
ctgaccaaaa	gagttttgca	gggagaacaa	atcttggggc	attacagcca	aacatcccga	180
cgtttgaaaa	ttccctaaag	tattaaaaga	aggggaaaag	tttgatcgga	aatccactgc	240
agtgaagaca	agacactat	taggttatga	taatacaca	ttataaactc	tattaagcca	300

<210> 2474

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2474

catcgatctt	ctggtggcag	tcctccttga	agaggttgct	gatgatgttg	ctgcccagag	60
gacacaaatt	gttcttgagc	actgaggtgg	tcaaagcagt	cagtgttctt	gagcactgag	120
gtggtcaaa	cagtcagtgt	gctggagcca	cagcagtcaa	ggcctctaga	actatagtga	180
gtcgtattac	gtagatccag	acatgataag	atacattgat	gagtttggac	aaaccacaac	240
tagaatgcag	tgaaaaaaat	gctttatttg	tgaaatttgg	gatgctattg	ctttatttgg	300

<210> 2475

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 2475

ttcaggagtt	ggacgactgc	tctttggccg	gattgcagat	tatgtgcctg	gtgtgaagaa	60
ggtttatcta	caggtagctc	cctttttctt	cattgggtctg	atgcccata	tgattcctct	120
gtgtagcatc	tttggggccc	tcattgctgt	gtgcctcatc	atgggtctct	tcgatggatg	180
cttcatttcc	attatggctc	ccatagcctt	tgagatagtt	gggtcccang	atgtctncca	240
ngcaatngna	nttctgctcg	gattcatgcc	tatacccatg	actgttgnc	caccattgc	300

<210> 2476

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2476

gtgtgggtca	cagacatcaa	gtactttaca	aggtaataga	atatcacaag	gcaagtggag	60
gcagggtgag	atcacgggac	cagggcgaaa	ttaaaattgc	taaatgaagt	ttcgggcacc	120
attgtcattg	ataacatctt	atcaggagac	agggttttga	gatcaaccag	tctgaccaa	180
atttattagg	cggggaatttc	ctcttcctaa	taagcctggg	agcgtatgg	gagactgggg	240
tctatttcac	ccctgcagtt	tcgacagtaa	gagacggcca	cgcccagggg	gccagttaag	300

<210> 2477

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2477

gacaaagcaa	aacatcaaca	ttaagtcata	ggctaggatt	atacaaatga	gaacccccac	60
cttatacatt	acttaataata	agttaactac	aaagagcctc	tccacttaca	tttttatcat	120
gcatcttaca	ttttaatgtc	cttattcttt	tatagaaaag	gtcataatac	ccaataaaaa	180
agaatctgta	atatccctga	tcgagcaaca	attgatcaca	tgctttcaca	tgtgaccaca	240
ataggaataa	aataacagcg	taaagaaatt	tgaaagttgt	attacatcat	tattcactgg	300

<210> 2478

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2478

catccatgta	acgttgatat	taaggccagc	atctgggccc	ctgtgtcaga	ttaacaagat	60
tttcttgag	tattaactaa	cactttaatt	taaaaaattg	taaaatatta	taaaaaagtt	120
tatagaaatt	atatgttata	gtcaagtgat	taaaatttaa	tagatttggt	tataagattt	180
gtgagacatt	taattggcct	catgctgtct	ttatcagggc	ttattgtttg	gggaagtaag	240
tctcctctct	caaagaataa	agggttttgc	cttttttttg	aaatcttcga	gttatcactt	300

<210> 2479

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2479

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ggtttatcta	caggtagctc	cctttttctt	cattgggtctg	atgtccatga	tgattcctct	120
gtgtagcatc	tttggggccc	tcattgctgt	gtgcctcatc	atgggtctct	tcgatggatg	180
cttcatttcc	attatggctc	ccatagcctt	tgagttagtt	gggtcccagg	atgtctccca	240
agcaattgga	tttctgctcg	gattcatgtc	tatacccatg	actgttggcc	caccattgc	300

<210> 2480
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2480
 ctgtgaagac ctggaaacag acaaaaaaga gcttgccaag ctccagactg tccagctgga 60
 tgaagatatg caagacttat gaactttatt tcctcctcac ctctttttgg catcagcggc 120
 aaatcttttc atgaagcccc aaggacacaa aacattttcc catttaaagg aaaacactct 180
 agttttgcaa gtatatgcat acaagagact ttagattgat ctgcatgaag atcacagtta 240
 agtatacagg agtagaactg cattattgca gcctttttgt tcacttataa atttctcttt 300

<210> 2481
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2481
 gtacccatat acacatatac acatatgtgt acccatatac acatatacac atatgtgtac 60
 ccatatacac atatacacat atgtgtaccc atatacacat atacacatat gtgtacccat 120
 atacacatat acacatatgt gtacccatat acacatatac acatgtgtac ccatatacac 180
 atatacacat gtgtacccat atacacatat acacatgtgt acccatatac acatatacac 240
 atgtgtaccc atatacacat atacgcatat gtgtacccat atacgcatat gtgtacccat 300

<210> 2482
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2482
 gggggcaaaa aaagaagcaa gttctgaagt tcactcttga ttgcaccac cctgtagaag 60
 atggaatcat ggatgctgcc aattttgagc agtttttgca agaaaggatc aaagtgaacg 120
 gaaaagctgg gaaccttggg ggaggggtgg tgaccatcga aaggagcaag agcagctttt 180
 ccagcgcgct cgtcatttcc ggactctctg ctgcggaggg gggcaatacc agtgacaccc 240
 agtcaccag cagcgtcaac atcgtgatgg gccctcagc cagggctgcc agccaggcca 300

<210> 2483
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2483
 aattccgttg ctgtcgtca gccgcctgc acccaggtga aatagacagc catgttgctc 60
 acacaaagcc tgtttgctgg tctcttcaca ctgactcgag tgaaatttgg tgccgtgact 120
 aggatcgggg gacctccctt gggagatcaa tccccgtcc tcctacactt tgctctgtga 180
 gaaagatcca cctacaacct caggtcctca gaccaaccag cccaagaaac atctcaccaa 240
 tttcaaatec gtgatagatc acaacaagag attatgaaga gggcatggcc gccatgtcat 300

<210> 2484
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(288)

<223> n = A,T,C or G

<400> 2484

cccagctaca	tgggaggtg	aggcaggaga	atcacttgaa	cctgggaggt	ggaggttgca	60
gtgagccaag	attgcgccac	tgactgcag	cctgggcaac	ggacagtgc	tccatgtcaa	120
aaaaaaaaaa	ttaattaatt	gcctntggnt	taaacgtaaa	ancntttntt	ggancagcnt	180
aaangcntaa	aatctgtttt	tgttccagg	ggttgtaac	aggactcatt	ttttnngnct	240
ttganaggat	cccgttact	caacanaant	gaaggaggaa	tntgtaaa		288

<210> 2485

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2485

gtcagttgag	agctgttcac	ggggccctgt	ccaagtgtca	gtagaatccc	acagttcctc	60
acacagttcc	agagtcagtc	ctaggggaaa	agaggtccc	tgcttgagga	tgtttcctcc	120
ttgcacttcc	cggagaggat	gttcctgcat	aaaccatttc	cattttatta	tggaactatt	180
ctgggcgtg	ccatccccat	ttgaatgttt	ctctgacatc	atgtgagaaa	gcatgggtat	240
ttcaggtgtc	aagatcattt	tatgtccttc	agtcattagg	gatagtttca	gttaatgtcc	300

<210> 2486

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2486

ggcagatgtc	cttgaggttc	taccagaaga	agaagtctcg	ctggccattc	tcagacgagt	60
gcatcccatg	ggaagtgtgg	acggtcaagg	tgcatgtggt	agccctggcc	acggagcagg	120
agcggcagat	ctgccgggag	aaggtgggtg	agaaactctg	cgagaagatc	atcaacatcg	180
tggaggtgat	gaatcggcac	gagtacttgc	ccaagatgcc	cacacagtcg	gaggtggata	240
acgcgtttga	cacaggcttg	cgggacgtgc	agccctacct	gtacaagatc	tccttcacga	300

<210> 2487

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2487

gaagaactaa	tacagagaga	tattgtatac	attttacctc	gtttccctca	attataacat	60
ctttgcaaac	tacaatacca	tatcacaacc	aggatactga	cattgatacc	taagacaaaag	120
aagataaact	gatagatttt	taagtaactt	ttgtcttctt	tgtagtgat	tgtcaattag	180
agagagtcag	gctatgagag	gtaggctacc	tgagtgtcag	aatgaggtaa	taagaataat	240
gcttctcttc	atctctacta	aaaatacaaa	attagctggg	tgtggtagcg	catgcctgta	300

<210> 2488

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2488

ggacagcatg	agcggcgggt	ggatggcgca	ggttgagcg	tgacgaacag	gggctctggg	60
cctggcgctg	ctgctgctgc	tcggcctcgg	actattcctg	gaggccgcgc	cgagcccgcct	120
ttccaccccg	acctctgccc	aggccgcagg	ccccagctca	ggctcgtgcc	cacccaccaa	180
gttccagtgc	cgcaccagtg	gcttatgcgt	gccccctacc	tggcgctgcg	acagggactt	240
ggactgcagc	gatggcagcg	atgaggagga	gtgcaggatt	gagccatgta	cccagaaagg	300

<210> 2489
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 2489
 gactagaaag aggccctgcc ctctagaaag ctcagatctt ggcttctgtt actcatactc 60
 ggggtgggctc cttagtcaga tgcctaaaac attttgccta aagctcgatg ggttctggag 120
 gacagtgtgg cttgtcacag gcctagagtc tgagggaggg gagtgggagt cttancnntn 180
 tcttgntcta ggnttnatgg naaccanttn ttcacntttt tannatncct tgntttatnn 240
 cagttntttt ngctctgttnn ngagtntgtn tgtctatttt ttatttttctt tttntgtttt 300

<210> 2490
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 2490
 aggaagatta gacactgtgg ccgagggcac gtctagaatc gaggaggcaa gcctgtgccc 60
 gaccgacaac gcggagactc ttctgatcca accgctagaa ccgcgttggg atacagcctg 120
 aactctgctg cagtgttcag antgtcacac agcccaactt tagcccgcat ctncanacag 180
 gctttctacc ataccancc cacagcatct ggtatgacag actcccggtt tagctnacac 240
 ctaactccat tgcctattgn tacttgnctt ttgcnatnc atccnaacct tnanggtcca 300

<210> 2491
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2491
 gaaagagatc tgacctaac aactttatct tgccttaact tccaaactgc ccttagtcat 60
 tgatgggcat gggccaagct aacattggga gaaatttatt tcatagttaa aatgataata 120
 gccctttcaa aaactaaatg tcctttgtta aattaatgaa aagccaccag atggggagga 180
 tgacaggggc ctgaattctg ctaagatgta ggcatagtta aatgattacc agtcattatt 240
 ctggagggtc caatatttgc aatttcccca attacttctg taaataacat cattattata 300

<210> 2492
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 2492
 ctcaactttg tacctgtgtg gctcctcttg ttagtgcaat gttgactgtt gaaaaagcag 60
 cagtatgctt acaggtttgc ttagtttggg gacaccgtta ccaccagaat ggctgctctg 120
 acaatatgcc tagggacttt ctcatggctt ttatttaata aggaggctgg gcaccctata 180
 aagcctcatg cattcacacc tttgcagcat ggtttatgcc tcagtgttat gtgcactgga 240

atgttttcca cttcacattt ccaagtagaa atattagtgt tacggaagtg cctaatatcc 300

<210> 2493

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2493

ggaaaagttc caggaccctg agacatcttg ggattcctgt ggtttaggaa agacctttaa	60
ctaccagctg gtagttgtct cagcattctt caaatagtcc ggtcttgttt aatattatta	120
ttattattgt tatttaattt ttttttattg caactgtact tagagaatag tctggtcttg	180
agaccttttc actgtggtct gttctggtgt acggctccca ccagtgtgaa gcagaaggat	240
gactttgctc tgttgctcagg acaaccttga aggaaggagc caaatgtgtg gaggtctgtg	300

<210> 2494

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2494

attcctatta cagaccgaag aagtactttt caggcacact tggtccagt ggtttgtccc	60
aaacaggtga aaatggttct ttccaaattg tatgagaata agaaaatagc tagtgccacc	120
cacaacatct atgcctacag aatatattgt gaggataaac agaccttctt acaggattgt	180
gaggatgatg gggaaacagc agctggtggg cgtcttcttc atctcatgga gatattgaat	240
gtgaagaatg tcatggtggt agtatcacgc tggataggag ggattctgct aggaccagat	300

<210> 2495

<211> 238

<212> DNA

<213> Homo sapiens

<400> 2495

aattcaaggc ctctcgagcc tctagaacta tagtgagtcg tattacgtag atccagacat	60
gataagatac attgatgagt ttggacaaac cacaactaga atgcagtga aaaaatgctt	120
tatttgtgaa atttgtgatg ctattgcttt atttgtaacg atctataagct gcaataaaca	180
agttaacaac aacaattgca ttcattttat gtttcagggt caggggaggt gtggggagg	238

<210> 2496

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2496

cgcgacgggg gttcaggga tatttactgg gcctctccgc tccctctgct cttggagggtg	60
ccatgaggtc agttagctac gtgcagcgcg tggcgctgga gttcagcggg agcctcttcc	120
cgcacgcaat ctgcctcgga gacgttgata acgatacgtt aaatgaactg gtggtgggag	180
acaccagcgg gaagggtgtct gtgtataaaa atgatgacag tcggccatgg ctcacctgtt	240
cctgccaggg aatgctgact tgcgttgggg ttggagacgt gtgtaataaa ggaaagaacc	300

<210> 2497

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2497

atcaggtcct cagtctcctc tgacaccaga tggtaaacgg aatcccaaag gcattaagaa	60
---	----

gttctgggga	aaaatccgaa	gaactcagtc	aggaaatttc	tacactgaca	cgctggggat	120
ggcagagttt	cgacgaggtg	ggctccgggc	aaccgcaggg	ccaagactct	ctaggaccag	180
ggactccaag	ggacagaaaa	gtgacgccaa	tgcccccttt	gcccagtgga	gcacagagcg	240
tgtgtgtgca	tggctggagg	actttggcct	ggctcagtat	gtgatctttg	ccaggcagtg	300

<210> 2498

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2498

acaaggacaa	gaaagaaagt	acggttgcaa	cggttggtc	gcatgcatgc	cgacatgatg	60
gaggatgttg	aggaagtata	tgccggagac	atctgtgcat	tgtttggcat	tgactgtgct	120
agtggagaca	cattcacaga	caaagccaac	agcggccttt	ctatggagtc	aattcatgtt	180
cctgatcctg	tcatttcaat	agcaatgaag	ccttctaaca	agaacgatct	ggaaaaattt	240
tcaaaaggta	ttggcagggt	tacaagagaa	gatcccacat	ttaaagtata	ctttgacact	300

<210> 2499

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2499

ccgagctgac	aagtcaactc	taagcactta	tctagaagac	tgtaaatttg	acagagagcg	60
aatagaactg	ttttgcacgg	aatatcagaa	taataagaat	tccctagaaa	tcctactggg	120
aagtataggc	agatctctcc	ctcatataac	ggatgtttct	tggcgcttgg	aatatcagat	180
aaagaccaat	caacttcata	ggatgtacag	acctgcatat	ttggtgacct	taagtgtaca	240
gaacactgat	tccccatcct	atccagagat	tagttttagt	tgcagcatgg	aacaattaca	300

<210> 2500

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2500

taaagacata	agtaccacat	taaagtctga	tgaagctggt	gcaagaggat	gtgcgttaca	60
gtgtgcgatt	ctctcaccag	catttaaagt	gcgtgaattt	tccataacag	accttgttcc	120
ctattcaatc	acattaaggt	ggaagacctc	ttttgaagat	ggaagtgggg	aatgtgaagt	180
tttctgtaag	aaccatcctg	ccccattctc	aaaagtcatt	actttccaca	agaaggaacc	240
atttgaacta	gaagcatttt	atactaattt	acatgaagtg	ccttatcctg	atgcaagaat	300

<210> 2501

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2501

agcatgccct	aaagagggac	cagctgtagt	aggtcagttt	attcaagatg	tcaagaactc	60
aaggtctaca	gattccattc	gtctcttagc	tctactttct	cttggagaag	ttgggcatca	120
tattgactta	agtggacagt	tggaaactaaa	atctgtaata	ctagaagctt	tctcatctcc	180
tagtgaagaa	gtcaaatcag	ctgcatccta	tgcattaggc	agcatttagt	tgggcaacct	240
tcctgaatat	ctgccgtttg	tcctgcaaga	aataactagt	caacccaaaa	ggcagtatct	300

<210> 2502

<211> 300

<212> DNA

<213> Homo sapiens

<400> 2502

gacacattaa	aagagagata	tcaaaaaatt	ggtgacacca	aaaggaatac	tcccattgaa	60
gctctctgtg	agaactttcc	agaggagatg	gcaacctacc	ttcgatatgt	caggcgactg	120
gacttctttg	aaaaacctga	ttatgagtat	ttacggaccc	tcttcacaga	cctctttgaa	180
aagaaaggct	acacctttga	ctatgcctat	gattgggttg	ggagacctat	tcctactcca	240
gtagggtcag	ttcacgtaga	ttctggtgca	tctgcaataa	ctcgagaaa	ccacacacat	300

<210> 2503

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(759)

<223> n = A,T,C or G

<400> 2503

aggntnnttc	naanagccag	gctcttggtc	tttttgcagg	atcccatcga	ttcggtgac	60
tacttggaag	cttgtgtagt	atctgtgttg	cagatccatg	tgacccagcc	ccctggggat	120
atcctggtgt	tcctgacagg	acaggaggag	attgaggctg	cctgtgagat	gctccaggat	180
cgctgccgcc	gcctgggctc	caaaatccgg	gagctcctgg	tgctgcccat	ttatgccaat	240
ctgccctctg	acatgcaggc	ccgtatcttc	cagcccacac	cacctggggc	acgaaagggtg	300
gttgtggcaa	cgaacattgc	tgagacatca	ctcaccattg	agggcatcat	ttatgtgctg	360
gatccagggt	tctgtaagca	gaagagctac	aacccccgca	caggcatgga	atcgctcact	420
gtcacacct	gcagcaaggc	ctcagccaat	cagcgagctg	gcagggcang	tcgggtgggt	480
gcagggaant	gcttncgcct	gtataccgcc	tgggcctatc	aacacgagct	tgaggaaacc	540
acagtgcctg	agatccagan	gaccaacttg	ggcaatgtcg	tgttgctgct	caagaactta	600
nggatccatg	acctaattgca	ctttgatttc	ctggaccctt	caccatattga	gaacacttgt	660
tgctggcttt	tggancaact	tgtatgctct	nggaacccct	taancacctt	ggggagctta	720
ccacgtntgg	tccaaaagat	ggcanaaact	gccggtgga			759

<210> 2504

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(725)

<223> n = A,T,C or G

<400> 2504

gnaggnnnnn	tttnnnnggn	tntatgcagc	tcttgtcttn	tgaggatcc	ctcgattcgt	60
ttgaatatgg	actatagttt	agataatagt	cttaggtaat	agttaaatgt	cctgggtttg	120
attattgtgg	ttatatgggg	gaatgtcctt	gtactcagaa	gacatatgct	gaagtacagt	180
atthagagat	aaaagtgtca	tgtttgcaac	taactttcaa	atagttcaga	aaaaaaaaata	240
tgtatatatg	tgtctgtgcc	tgtatatgaa	agagagaaca	caaatgtggc	aaaatattaa	300
caattgggtg	gccagggtatg	gnggggtggct	catgcctgta	atcccagccc	tntggggaggc	360
tgaggaggta	ggattccttg	agcccagcag	tttgagacca	gcctgggaaa	catagggaga	420
cgctgtctct	ataaaaaata	ataattcaat	ttanaaaaaa	ttgatgaana	taggtgaagg	480
gtatatgacc	tttcaactaca	ctatncttga	aatntctctg	aangtttgaa	atttatcaaaa	540
atataaaaat	tgagaaaaaa	ttttcaaact	gccacagtca	ataattgaat	ttctcagcct	600
gcacagtggc	tcattgcctgt	aatcccgcac	ttttgggang	ccaaggcggg	cagatcactt	660

gaggtcagga attcaagacc agcctggcca acatggcgaa ccctgctntc caaaacccaa 720
aaatt 725

<210> 2505

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(742)

<223> n = A,T,C or G

<400> 2505

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gaaaaatgct	atgttggaat	cttaatcccc	aggacctcag	aatgtgacct	tacttattaa	120
aaacagggtc	tttacagagg	tggtgcagtt	acagtaaggt	cattaggggtg	ggccctaatac	180
cagcatgact	gatgtcctta	aaaggggggac	tttggagaga	aaaacatgct	caaggaagag	240
gatgtgaagg	ctacgtgaag	agactggagt	gatgtgtctg	caagccaaag	aacaccaaaa	300
atcgtcagcc	accacctgaa	gctggaagag	gaaaggaaaag	atcttcccta	gggccttcag	360
agggaacacg	gccttgatct	cagacttccc	ctctaagaac	tgtgggagaa	tcagcatctt	420
ttgtttaagc	ctcccatggt	gtggtcttta	ttgtggcagc	ctgagcaaac	acagtggcta	480
aggaaactaa	tttcaatcag	agacaatatt	caaaattcag	cactggatat	tggcaggact	540
aggcactaac	cagtcagaag	agatgacagc	tttgaactac	tcacacaggt	gggccactgt	600
ggggcacaga	gatgatgtat	tggnaaccag	gagtcacata	ggacgatggc	tcaatgacat	660
gagaaaacag	ggttggangg	aaggaaactta	agaatgctca	ataccttgna	aatgggnaca	720
aaagaaagat	tanttagatc	cn				742

<210> 2506

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 2506

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atctaattgc	ctcctttgga	gaggctcatc	agaaactcaa	aataatgcaa	ccatttgact	180
ctcacctacc	tgtgacctgg	aagatccctc	tctgcttgag	ttgtcctgct	tttctggatg	240
gaaccaatgt	tcattcttaca	tattattgatt	gatgtctcat	gtctccctaa	aatgtataaa	300
accaagctgt	gccctgacca	ccttgggcac	atgtcgtcag	gacctcctga	ggctgtgcca	360
caggcatgca	gcctcaacct	tggcaaaaata	aactttctaa	attgactgag	accagtctca	420
gatattcagg	gttcacagta	tccaaaaatc	caatcacatc	tgaaaccgcc	tttgcaaaaa	480
ttatcacagt	gagaaaataa	tggcagtgaa	agaaagctga	tctagccaac	ctccctcttg	540
cctttagctt	tcaagctgct	tttacttatt	cttgggttta	agccaagcta	catgtgggag	600
tcatttagtt	gtaggtttta	attataataa	ccctttcccg	aaacttaacc	acccttgtaa	660
tactgagaga	ccaccaggct	aggagganga	nangagccta	aattctgcta	aggggtagac	720
aaaaacaatt	gtgangcggt	tttcaaaagc	cc			752

<210> 2507

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 2507

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cgagagaata	ggtatcagat	tagggattac	aaaatgtagc	atgggtacta	aatatcagta	180
caaagcagcc	acaataatat	tgattttatgg	atttaagtaa	cccgaccaa	ccttgatgta	240
tctcatcatg	ttgaatttct	gtccagata	ataaagtatt	gtttgatctt	gtgcattggc	300
cttttatttt	tcagaatgat	tcaaaggatg	gctttgggga	ttcactgtaa	gattttttgt	360
catctaaatt	atacttgagg	tggagaggca	taatttaaac	aacttcatag	gcaaagaaaa	420
gagctataca	cagcagatcc	tggattagga	aaataaatac	gttttattat	tcagaacatg	480
cttttatgaa	ctccttttaa	aaaattgcaa	gccttgagc	gagctgagat	tgccaccactg	540
cactccacct	ggatgcagca	gaaagacttc	gtctccagaa	aaaaaaaaatg	aactccagta	600
cagataaccc	ccgcggggcc	ggagatttct	accttctgcc	ttactcccat	cagaagaatc	660
gagtttatgc	atcacagtna	catgtcactg	gccttcagcc	cccgcccat	ccgtcacctt	720
gctgngtcgt	gag					733

<210> 2508

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 2508

gnggnggntt	naaatanaca	ngctacttgg	ctttttgcag	gatcccatcg	attcgaattc	60
ggcagcgagt	ggtcagggtt	tgactcagga	agctgagttc	cagcttggtt	ccttggcagc	120
actgccaaag	agttagacca	agctgcagct	tttgagggtga	aaggggatgg	aagaaagtac	180
tgttactttt	ccacttagaa	tttttggact	ttgttcttaa	tgaatagggt	cattttcaat	240
ttcaaagcaa	agtgttaaca	tttttgaaat	ttgtctcaat	tctaaaggcc	aaacttaaat	300
atgtctcttc	ctactggggc	atggagcaag	ttattcatca	aatacagatt	ctcgcatgga	360
aaagaaagct	aggatagtgt	gtcgtgctg	ctctgtggca	aagaacagct	cctttctaag	420
caacagcctc	actctactag	aataggctctg	agcgcgcca	ttcatggctg	attgcaactt	480
ccactgggtg	ggatttcaga	tctagaatct	gttttcagat	gccttaaga	gaagacatag	540
aaacacattc	ttaacagttt	caggggagat	agttgggata	gtttgtagtt	ttgcttaagt	600
tatatgtgtc	tgntttctgc	ttttggtggt	aacngactaa	cccttaattt	gggtgggttag	660
agaantgatg	ggaagacctn	aagaaagctc	anatgacatt	tggctttgct	ttaaatgtgt	720
agttttctct	cacaaggcta	gtcagaaaat				750

<210> 2509

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 2509

gnnggggtntt	tanancagn	ctctgttctt	ttgcaggatc	cctcgattcg	aattcggcac	60
gaggtggcat	ttgatgctgt	gggttggagc	ccagcttttg	ggtcagacac	acctgggttt	120
gaatcacatt	gctgcccctt	ccaggetcac	atcattttat	ttcttttttc	tttttctttn	180
tttttttttt	tttgaggcag	gagaattgct	tgaacccaag	aggcggagg	tgtggtgagc	240
cgagattgca	cctttgtctc	cagcctgggc	aacgagcaaa	aaactctgtc	tcaaaaaaaaa	300
aaaannnaag	aaaaagaaaa	atggcttcca	ggacagagca	tgctcatttg	ctggcggaca	360
gttccagaaa	cagaccctgt	tagtccttct	acttacctgc	tggatttttc	aagccctaaa	420
tttataactt	tttgaaacaa	aataatngt	aattttccat	ttgggggcaa	actctattct	480
tgngagcatt	attaaaatct	tggttggtta	atatattggc	tttctcttaa	tattgctctg	540
ggtcaggaag	aagctgttca	cggtgtgata	atactcttta	gatgggcttt	cattattata	600
gatgcatcat	gtcttctgct	ttcacgtgtc	tggggatggg	gtcaaaaatg	catccttcag	660
ctgacagaaa	aatccaggat	gagatccgaa	ggatactggg	gtttctgact	tttccaaaat	720
acttggtngg	tttcattaaa	aaaaa				745

<210> 2510

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (745)

<223> n = A,T,C or G

<400> 2510

cttggttttt	tgcaggatcc	catcgattcg	aattcggcac	gagcagagct	tagacatcca	60
aaactaatca	atgctgaggt	ggctaaatac	ctagcctttt	acatgtaaac	ctgtctgcaa	120
aattagcttt	tttaaaaaaa	aaaaaaattg	gggggggttaa	tttatcattc	agaaatcttg	180
cattttcaaa	aattcagtg	aagcgccagg	cgatttgtgt	ctaaggatac	gattttgaac	240
catatgggca	gtgtcaaaaat	atgaaacaac	tgtttccaca	cttgcacctg	atcaagagca	300
gtgcttctcc	atttgttttg	cagagaaatg	tttttcattt	cccgtgtgtt	tccatttctt	360
tctgaaattc	tgattttatc	cattttttta	ggctcctctt	tatctccttt	cttaaggcac	420
tgttgctatg	gcacttttct	ataacctttt	cattcctgtg	tacagtagct	taaaattgca	480
gtgaattgagc	ataacctact	tgtttgnata	aatctattgaa	atccatttgc	acctgtgaag	540
aatggactta	aaagtactgc	tggacaggca	tgtgtgctca	aaggacattg	attgctcaaa	600
ttttaaggaa	atgggnccaa	tgaaccgtng	gttgtgggga	aggggaaaga	ngaaaccnga	660
gcttggtcan	aatgtggaaa	tnggatctgg	tggnaataaa	catgttttaa	accaancenn	720
nnnnanaaaa	aaaagncctt	tttta				745

<210> 2511

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 2511

nggttnttta	nanncaggct	cttgtctttt	gcaggatccc	tcgattcgaa	ttcggcacga	60
ggtaaaacat	gtaatttgga	catgcaagac	aatgctgctg	ccaactaaca	ttgcattgat	120
tcattaagat	gttatttttg	aggtgttctt	ggcttttcac	tgacaattcc	aacattcttt	180
acttacagt	gaccaatgga	taagtctatg	catctataat	aaactataaa	aaatgggagt	240
acctatgggt	aggatatagc	tatgccttta	tggtaagat	tagaatatat	gatccataaa	300

aatttaaagt	gagagggcatg	gttagtgtgt	gatacaataa	aaagtaattg	tttggtagtt	360
gtaactgcta	ataaaaccag	tgactagaat	ataagggagg	taaaaaggac	aagatagatt	420
aatagcctaa	ataaagagaa	aagcctgatg	cctttaaaaa	aaatgaaaca	ctttggatgt	480
attacttagg	ccaaaatctg	gcctggattt	atgctataat	atataatttc	atgttaagtt	540
gtatattttt	cagaaattat	aaatattatt	aattttaa	ttgaatttgt	gtttgactaa	600
caacctcgat	gggatcttct	tcaaccttcc	attaagatcc	ctgcagnaag	aaaatnggaa	660
aatttcaaaa	tanttgcaaa	ggtggtaaat	tggngaagac	caacttaatt	attaataccg	720
tggttnaagg	tttcttactt	gggaccccca	ttggnaaatg	gganttaaag	aaaaa	775

<210> 2512

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (821)

<223> n = A,T,C or G

<400> 2512

ggtangnatg	gggtttttnc	agcacttggt	agttttgcag	gatcccttga	ttcgaattcg	60
gcacgagcct	gcatgcnntg	ntgcnnagtg	nntgangnct	gaaactcngg	tatnnncat	120
angnctgtga	ncantgatca	ntagggacnt	aagatncata	tnntgctgct	ngnnactgaa	180
nnncntgtgg	ngntntagng	nngntgtatn	cctcngngga	nantntccan	ncatngtggc	240
aggcacctnt	agtcccagct	actcgggagg	catnaggcaa	nagantggcg	tgaacctggg	300
aggtggagct	tgnagtgaag	ccaagatcnt	gccactgcac	ttcagcctgg	gtgcagatga	360
gactccgnc	taaaaanaaa	cagaaaatac	gctcaatnan	taatacattt	ctgccaaga	420
taagagnctt	cccttttgtg	gaatggntat	gaaaaatatt	ttnaagannn	ttttttaatt	480
aaccaatant	gtcttgatta	cttnnncctt	tcatttgcct	ggatcatcat	ntnaatngnc	540
cttgggaaat	gtgatgaaaa	anggtaancc	ctttggntat	ggaatantng	cntagatgan	600
cattngaatt	ttaggggana	agactattgn	ttnggggaaan	cttgtaactt	ncttttttgg	660
cntnnaaaaa	ttgtcnnagg	gttttanaaa	aaaaattttt	ggattggntt	ccgttgngtn	720
attactngna	aatnctanna	actttcggnt	agggccann	tttaatgaat	ttttntanc	780
ccctntannt	ttcntaanct	aanncttgct	aaanaaan	t		821

<210> 2513

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (821)

<223> n = A,T,C or G

<400> 2513

ggtangnatg	gggtttttnc	agcacttggt	agttttgcag	gatcccttga	ttcgaattcg	60
gcacgagcct	gcatgcnntg	ntgcnnagtg	nntgangnct	gaaactcngg	tatnnncat	120
angnctgtga	ncantgatca	ntagggacnt	aagatncata	tnntgctgct	ngnnactgaa	180
nnncntgtgg	ngntntagng	nngntgtatn	cctcngngga	nantntccan	ncatngtggc	240
aggcacctnt	agtcccagct	actcgggagg	catnaggcaa	nagantggcg	tgaacctggg	300
aggtggagct	tgnagtgaag	ccaagatcnt	gccactgcac	ttcagcctgg	gtgcagatga	360
gactccgnc	taaaaanaaa	cagaaaatac	gctcaatnan	taatacattt	ctgccaaga	420
taagagnctt	cccttttgtg	gaatggntat	gaaaaatatt	ttnaagannn	ttttttaatt	480
aaccaatant	gtcttgatta	cttnnncctt	tcatttgcct	ggatcatcat	ntnaatngnc	540
cttgggaaat	gtgatgaaaa	anggtaancc	ctttggntat	ggaatantng	cntagatgan	600

cattngaatt	ttaggggana	agactattgn	ttnggggaaan	cttgtaactt	ncttttttgg	660
cntnnaaaaa	ttgtcnnagg	gttttanaaa	aaaaantttt	ggattggntt	ccgttgngtn	720
attactngna	aatnctanna	actttcggnt	agggccann	tttaatgaat	ttttntanc	780
ccctntannt	ttcntaanct	aanncttgc	aaanaaan	t		821

<210> 2514

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (747)

<223> n = A,T,C or G

<400> 2514

nggttttaga	tcagctactt	gttctttttg	caggatccca	tcgattcgtc	caaccctggc	60
gatgtcacca	gcatgggtgg	tcagggttaga	gctctctgag	gacccagcat	agagcactgg	120
tgccagggac	caaactgaga	ccccaccacc	gtcatcaaca	cttacatacc	ataaaggtct	180
tcagagtggc	ttggccctag	acctcccttc	attctttgta	gagatggaat	ctaagaatga	240
aacatctcca	ctcagtcctg	caaatatgga	agttcttgag	ataccttttt	ttggtagata	300
cttggtctgg	tattctgaga	gtcactttac	tctgatgggt	tgcaagattc	ctaaaatcaa	360
ctccagagct	tacaagacag	gtttgagaga	gggagaaagg	aaaaccaact	tactggcccc	420
catgccatct	tttcccgttt	agccattggg	aggctgggct	gcacctctgt	caagtgtcct	480
catggtatct	tctctgttcc	tctcctcagg	ccatgggtgt	atatggagcc	ctcaccaaaa	540
gccccagtg	cagggactnc	agactcactc	ttcagtggga	gcagcagaga	tgtccagggt	600
acagatgcaa	gtcttgatga	ggaacttgat	cgagtcaaga	tgagttantg	gaactgggct	660
tggccaggga	gtctggggac	aaggaagcag	atttctgat	tctgggtcta	ctttcctgcc	720
aagatttggn	tttaattttt	aattgga				747

<210> 2515

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (746)

<223> n = A,T,C or G

<400> 2515

gntnggttaa	nccagctctt	gtgctttgca	ggatcccatc	gttcgaatnc	gnctngagag	60
acagantnct	gantggaggg	gntgaaactt	cnnagggnca	cagagctgtg	cnagnccctg	120
gngctgcnta	tgagcactgg	gttcccnag	anaagatcct	cncnactaat	actgggtctt	180
cagagctttg	caanntggcn	ncaantgctt	ttcttgccca	nagaataanc	agcatnaact	240
ccatangngc	tctgngtgaa	gcancangag	ctgatgtata	ncangtagcn	ncagcnattg	300
gaatggacca	tanaatngga	aacaagtttc	taaanccann	gtagggntag	gtgggagctg	360
ttancnaacg	gatgntctga	attaggatna	tctntgtgan	gctctgaatt	gccanaatnc	420
nctcggtatt	ggcancaggt	natagacatg	antgactacc	ataggangag	gttcgcttnc	480
cggatcatag	atagcctgtc	taatacctaa	ctgattanaa	gacccatctt	tgggattngc	540
attcaaaann	gacactggtg	attcaagaga	atcttctagt	atatacttta	gcacatattn	600
cgatggatga	aggtgcacat	tnacntatnt	atgaatccan	aagtnccctn	ggaacaantn	660
gtngnggatc	ttgntatca	agtgttttag	aggatgacca	attntnccgg	cttgnggacc	720
atttcnaagn	ntccttttga	agcnng				746

<210> 2516

<211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(761)
 <223> n = A,T,C or G

<400> 2516
 gntnggntcn agancagcta cttgttcttt tgcaggatcc ctcgattcga attcggcacg 60
 agcctgcagc cactaatgca ttgtgtatga taacaaaaac tctggatga cacattttct 120
 gtgatcattg ttaattagt acatagtaac atctgtagca gctggtagt aaacctcatg 180
 tgggggtggg gtgggggtgt attccttggg ggatggtttg ggccgaatgg ggagtggat 240
 atttgacatt tttcctgttt taaattctag gatagatttt aacatccttt gcgggtcccag 300
 tccaaggtag gctgggtgtca tagtcttctc actcctaate catgaccact gtttttttcc 360
 tatttatatc accaggtagc ccactgagtt aatatttaag ttgtcaatag ataagtgtcc 420
 ctgttttgtg gcataatata actgaatttc atgagaagat ttattccacc aggggtattt 480
 cagctttgaa accaaatctg tgtatctaact actaaccaat ctgttggttg tgggttttaa 540
 aaaatgtttg ctaactaccc aagtnagatt tactggatta aatggccctt cgggtctgaa 600
 aaagcttttt taacttcttn gcttaaaatg cgttttaatt ttgataagat ncttnaaatn 660
 gcctccaaaa gtgttananc caatcatttn aaataaacn ggntgtatat tgcattatgt 720
 gtacatgcnt atncccttct ggtaaaact naaaaaaaaa t 761

<210> 2517
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 2517
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 agctgggggt cctgcagtgc ccgccttctt agctcagggc ctttgcatag gctgttcctc 120
 tgctgggtg cttttcctgc tacttcccggt ggctgcattt gcttaactta ctcttctgat 180
 ttcatgtcca atgctgttcc cttaggggta agccttctct gacctacat tctgtagaga 240
 tacccttatt ctgccattct ctcttttgtg gcctgggttt cacttgtaac taagtcatta 300
 tccctgtatt tggtttgctt agtacatgtc tgcctcaag caggggctgg cttcaggctg 360
 ctgacctgtc tactgtctcc ttctcacccg ctcttggtg tggcttctcc tcgaggctgg 420
 tgctgcacgg ggcgggcagt gcatggccat gtctccttgt cagcgtccta cttacaagtt 480
 gaggaagccc acagccagga agtgacttgt ccagggtcac agggatgtg gagagagaat 540
 aagaaggctc tggcttctan ggganggang cttataactc tacactttcc tggccaggat 600
 caccagggtc tgttggggaa cacataagtc cctgcctgga tggtaaccct tttgccttct 660
 tccaaatgtn caatgcctgg aanacggtgg cctgccgggg gaccaaggac caacttttta 720
 tgcaggaaaa anccccgga cttctgggcc 750

<210> 2518
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 2518

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ggngngntcn aaagccangc tcttggtttt tgcaggatcc ctcgattcga attcggcacg      60
agctacccta cagatattga atgcaccttg agataattta gtgttttttaa ctgatacata      120
atztatcaag cagtacatga aagtgttaata ataaaatgtc tatgtatctt tagttacatt      180
caaatttgta actttataaa catgtttttat gcttgaggaa atttttaagg tggtagtata      240
aatggaaact ttttgaagta gaccggatat gggctacttg tgactagact tttaaacttt      300
gctctttcaa gcagaagcct ggtttctggg agaacactgc acagcgattt ctttcccagg      360
atttacacaa ctttaaaggg aagataaatg aacatcagat ttctaggtat agaactatgt      420
tattgaaagg aaaaggaaaa ctggtgtttg tttcttagac tcatgaaata aaaaattatg      480
aaggcaatga aaaataaatt gaaaattaaa gtcagatgag aataggaata atactttgcc      540
acttctgcat tatttagaaa cataccgtta ttgtacattt gtaaaccatt tactgtctgg      600
gcaatagtga ctccgtttta taaaagcttt ccgtagtgca ttggtatgga ttaaagtent      660
taaaatattc ttagactcga tgctgnataa aatattatgg gaaaaaaaag aaaaatccgta      720
ttttgncctc naacttttat tgaagttttt                                     749

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<210> 2519

<211> 796

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(796)

<223> n = A,T,C or G

<400> 2519

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gngtggnnnn nntttctnaa atagecgtct tgtcttntgc aggatcccat cgattcgaat      60
tcggcacgag gaaggggttt aaaaaggaaa aggtgtggaa gagatgcagg agtgggtgcag      120
gtctgaatgt cttgttgtga tagttatatt gagtaattgc ccatctggag gtatgggtttg      180
tgtcatcttg acttcagctg ggtaatgcta ggctaactgt tcgaaactcc ccccatgcaa      240
gaggagtctg caactccatc tctgcttggg ttgtttcaaa actggcccct gaaatttcta      300
agcaagtacg taattagata agtgaacact gttcatggac atgcctgggt ggaaggaggag      360
aaactaaggg tttcaaagta tgcttccagg ctgaaagcaa aaaggaaaaa aaaatgttct      420
aaattgcatt ttgaggggtg gatactcggg ctatgaaaag tgatgaatta gcttctctat      480
tagtaagact ttataacatc tatatgnttt taaaattttt acttatttat tgggtaaaag      540
aagcatttta atgtggccaa gggctnttga caaagtctct angtaaccaa tgttagggaa      600
naatgacttt ttggggcaac tttttgggaa aaattgacct tgcttaaaaa gccaaatttg      660
gttaanncna cccccaaccc ttgacaangg gtttcngnaa ntnnatnggg ggcccgccea      720
aangngggaa accttggggg tcccaaagaa accttccctt gggggcccct tgggncttan      780
cccantnaaa ttgggc                                     796

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<210> 2520

<211> 979

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(979)

<223> n = A,T,C or G

<400> 2520

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```

tttgcaggat	cccatcgatt	cgcacactcc	aggctgagaa	aagagtaatt	aggaggcctg	120
aggaggggccc	cgaggaaagg	ctgttggggg	gtgctggggg	tggtaaccga	gcgccttccc	180
ctcacctcaa	ccagagaaga	gcntccgggt	gctttttaaa	gcttttagcc	tgccctanca	240
aggacaaagc	atgttagatt	agagatgctt	ctgctgatcg	caggggttct	tatttgaaaa	300
catctatgat	gggggtgggg	tggaaggaac	aggttgtggg	tntgcaggaa	annntgnnct	360
aaaaattntg	antnngnggg	tnaggnnnnn	natnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	960
nnnnnnnnnn	nnnnnnnnnn					979

<210> 2521

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (715)

<223> n = A,T,C or G

<400> 2521

gcggtcnatg	ctgctcttgt	tctttntgca	ggatccctcg	attcgaattc	ggcacgaggt	60
gtgagttgca	tataacatat	ataaaagctg	taacctggga	aaaagttatt	atctggaagc	120
tttagaaatt	aatgttatct	tttcttaagt	atcatcagga	aattaatcaa	aatggccacc	180
ttgataccaa	aaataagggt	ttggggcata	acatccctat	gaattcaa	gttagtcatt	240
tcacatatct	tccactttat	ttcattaagt	ccttccctag	agacactggt	caaacattat	300
tcaccattta	ctaattgctgt	tacaacatta	ttttagaaga	tggatatgga	tagctgttct	360
agcttttaaa	gttttccagt	taaagcacca	tgtgttaaac	attggccagg	atcttctgta	420
tgaaatggct	ttagttacag	gcctgtctga	caacagtttt	catcagaaaa	gtatgcttat	480
tttcctttct	tttagaaaat	ttggctgaaa	gcaatttttg	caaagtcagc	atagccttaa	540
gtgtcacatg	agaaagatgg	aattgaagtg	gctgttaggt	agacctgacc	tgggtatggt	600
gactgtgggtg	acatgagtc	tttgaggagc	acagcgtctc	tncagcatct	ctcttctgag	660
ggtcactctc	ttttgtaggg	gcttaccctc	ttgncaatgc	tacacacaaa	aaaaa	715

<210> 2522

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (726)

<223> n = A,T,C or G

<400> 2522

gnnggtttnt	cttgngcagg	atccctcgat	tcgaattcgg	cacgagcccc	tctccacatt	60
gacctctaga	agtgggcctg	tccaactcct	aagtccanct	ttccacacc	gggcagaaag	120
ctttttactg	gccccgttgc	tcccgggtga	ggcctaaaca	cttgatgatg	atgaagatga	180
atatgngatg	atggtagcca	tcacacagnn	tttcccntgt	aaccctncga	acaaccctgc	240

anggcgaata	gtntcaccat	cctcntttgg	caaatgaaaa	gctgatggct	canagaantt	300
aaatgacttg	cccaaggtga	ctgagccant	angccacana	caggctccaa	atcccantct	360
ggaccgattg	gatgggcatt	cctgggtggg	ccggctccct	ctctggcaag	gctgtcatgc	420
tccccagtg	ccctggcttc	agctntggct	ggatcagtaa	aganccaagt	cgaagatcaa	480
gtcagggaaa	actcatgttt	tgnggctaag	aantattgct	acccttaatc	tcttcacttt	540
ctcttnagct	ncatgaagga	gcatttaact	tttngaagga	gtcattttcc	acaaaggaaa	600
cagttcttaa	aaatnctgng	gggttgggct	cactggctna	cacctggatt	tccagcactt	660
caggangcca	agatgcagat	cactcgagcc	ttaanaagtt	caagaacagn	ccgggtaac	720
gtggca						726

```
<210> 2523
<211> 868
<212> DNA
<213> Homo sapiens
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```
<220> .
<221> misc_feature
<222> (1)...(868)
<223> n = A,T,C or G
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<400> 2523						
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tgctaagggtg	gacaccaccc	cttcntccct	ntncagaccc	atcccaccac	cgtggntttg	120
nccnttccna	gctgcntaat	cactggacca	cctggnatta	cnngngtgan	ccancacaac	180
ngtcctgtac	nctatgntgg	atncc tantt	agatntcctg	nctntntgga	tannnnanna	240
cntnancaga	cnatgaacng	tntgnacata	ttatatnaca	tgnangatgg	ttgtganacn	300
ntntgtacng	tagaagtgtc	tctcttgagc	ccattgmnct	nttcnagat	atanntngga	360
cntgattttg	actctgattc	agcattntan	aanactttta	cagttgatgn	nactnattac	420
cnancgnact	gctnnttcat	tncaaatnat	tattcagggt	accnaagggg	atttttctaa	480
accattgtan	tttataaatc	caaggggaaa	tttccccntt	ccctnnntnt	tnntngaaat	540
nttggngngcc	nanngaaant	tttnanaana	aaccaatggg	ctttaaaaaa	aatggggccn	600
ttaaggatta	ttaanccgng	nttnattttc	caancagnag	ggaataaaaa	ctgccanatg	660
nggcccaatn	nanaccntg	atnaaagggt	ggtangtatg	cctnggggat	tnaggaggga	720
tttaanttcc	ctttgttttn	ccaccncttn	ttggnaaac	cnnncgggta	aananggnnt	780
tannttgggg	ctnnnggntt	annnccttt	tnaacnttna	ntnnnnnggt	ncttcccgta	840
gnatcctnan	cttgatnnqa	ncccatctt				860

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<210> 2524
<211> 737
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1) ... (737)
<223> n = A,T,C or G
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<400> 2524							
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ggcacgaggt	ttctaagcac	ttcctgtatt	gcataatcac	tcatttaatc	ctcacagcaa		120
tgtgagatac	atactatcct	ccccatttta	taattgaggg	aactgaagca	tagacagggt		180
acatagctgg	tgactggcag	atgaattgac	ttagccgtgg	tcctgcaggt	gatgagtggc		240
agcactgtgc	tottatcacc	agctcttgag	cgtgctgcat	cctctcattt	gtcgttggtc		300
tcccctagtg	ttcagtactg	tgccttgcac	gtgtttatac	tcagtagctt	ttgaatgaca		360
gacttacatt	gcaaatacaa	cagatttcca	tgtcttatta	gaaactgctt	ttcttgaatt		420
actacatgta	acttgaagga	ttgggtgaata	tttacagttg	ttgaaataca	aaaacaggtg		480

gctgaactta	gaaaccacca	agtggcaggt	gactttgcct	gacatccgtg	ttcacagacc	540
tncacagccc	ctggtgaaaa	ccacttcttc	atgtcccacg	tccatctaata	tacatgtgtt	600
atTTTTtGnc	atttgcagag	tcaacggttg	caggaaagtt	tgaagaaaag	tgaattacat	660
caaaatcttg	gnatagtata	taagtcattc	ggtttcaaaa	tataactttt	tttgaacctc	720
agcaactttg	aatggat					737

<210> 2525

<211> 835

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (835)

<223> n = A,T,C or G

<400> 2525

aggnntntga	nccagctctg	ttctttgcgg	atccctcggt	cgaattcggc	acgagaataa	60
gcttttcttt	aaattaatta	gaaattactt	gtaggaaatg	tatagaataa	caatgatcat	120
tttttttaac	taaatagttt	acaatagtga	gaaagttgac	cttgagttac	atgttgaaag	180
aatagtatgt	aagctggcaa	cagaaattga	aattgagaca	gatttcagca	ccactgttgg	240
taacaggctc	ttattccaga	ggaaacatgt	cagtttttta	ttagttagta	aaggatttct	300
gcgaagcttt	aagaatatct	catgttgagt	attgacatgt	atTTTgaatg	atgattttat	360
gaaataacac	ttgggattat	ttttcttatt	ctgnatcccc	caaattacct	taaaaactta	420
catcttttgt	tttgggaggg	atccttttagc	aaatatgcct	tttgtatggg	aaagatcctt	480
ttatgaaagg	tatacctatt	aaatatttta	gtttctantt	accaatatca	cntattccga	540
aggatanttt	antaaaaaat	tggccaaagg	tccaggacct	cnttttaaaa	acaaaaacct	600
tttaatttta	aaangaatat	tnccaaggga	ttacccttag	gaatttaatt	cccaaggaaa	660
aatectcaat	tttccantcn	atggtttttg	gccattttnc	ttctttttaa	aaanccaatn	720
gggttnaatg	gcccttggtt	aatttgggta	ataatngccn	tanctggagt	ggacctggta	780
ggnccttgga	aantnccgga	tctnggggtt	acctttggna	tggactggga	taacc	835

<210> 2526

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (740)

<223> n = A,T,C or G

<400> 2526

gngtgtgnnn	nnntttntta	aatgcggctc	tngccttttt	gcaggatccc	atcgattcgt	60
gcacactaac	atggcacctg	cntaaaaancc	acagacnggt	aacttttaggg	acttcacagt	120
ggactcaagc	agactgatcc	cagattgtag	gtagaagtgt	gtttgcaaag	gccagaggag	180
ctgttaggac	ataatgcgat	ggagacaatt	tgaacaatc	actgantcca	cgtttctgct	240
gtttaagggt	ggctgaaagg	atggaggtnt	agcttgtaat	gcaaaatata	cgcagaggtt	300
catagtgaag	ctgaggagga	gggccttcaa	aagttaagtg	ggagatgttt	aggtcagtag	360
caaatgggcc	cagtgaggaga	gagtatggcc	agagtttggg	gagggtcang	gtgtcnggtg	420
ctgggatgag	ggcttcatgt	ttggaagacg	caaggtagag	agccangaga	ggaggaaaagg	480
tagaacagga	tgganggcaa	gacctgtgta	agaagaagtc	ttaaactgtc	aacccaacac	540
aggcatgctc	ataaggaaaag	gttaaaaaaaa	aaaaanaaaa	aactcgacct	ntanactata	600
gtgagtcgta	ttacgtagat	ccagacatga	taagatncat	tgatgaattt	ggacaaccac	660
actagaatgc	agtgaaaaaa	atgctttatt	tgtgaaattt	gngatgctat	tgctttattt	720
gtaacctttt	taacctgcat					740

<210> 2527
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(752)
 <223> n = A,T,C or G

<400> 2527
 nnngaggntn nanancagct cttgttcttn gggcaggatc cctcgattcn aattcggcac 60
 gaggctagtt cgagtttttt tttttttttt tttttttttt ttttttaaat aaggggcaag 120
 tttccaaaga tcagtgtgga gtgctacaga aataattata ggagaggaaa tcataatcac 180
 agaaggtnta atgcttggtt gaggtccgg aataagaact aaaaaaaaaa caaaaaaacac 240
 tggtttcatg cttacggggt acacactttg gngcatcccg tgaacacaaa ttttaatacc 300
 aaacaatcct tgatgcttca cctggggctg ccaagcagtt tgtaaaacag aggaaaacat 360
 ttagtgcagt ctgtattatc cttttccaac ttttctggtt gtgcaagttt ttgaanattc 420
 attggccaaa caatgaacaa caaaggnttt ctgagagaag acaagggtga cttttcattt 480
 tgtagtaaaa taccagtggc actgttgaa gaaacaaata cttttatctc agtctttcaa 540
 atcagtatta atgtctgngt ttccttcac tgacagctct tcttctagtt tcaactgaaa 600
 aaggggtgta gtatttttat cttggcactc tnttccaaat ccttnagcag ctctcttct 660
 ttatattctg ccacatngac ctntnaaccg gaattgncct ttantttgcc gnggngcttt 720
 gaaaaatccc gtngttctta aaaacttggt ga 752

<210> 2528
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(734)
 <223> n = A,T,C or G

<400> 2528
 ggggnnnnnn ttcttaatat tgctngtct ttgcaggatc cctcgattcg aattcggcac 60
 gaggcaggta ttatattatg aactactagc aattcgagag cctgcatcag tttggagaaa 120
 gactatcaac ctggaataac ctacattgta gttcagaaga gacatcacac tctgattatt 180
 tgtgctgata ggacagaaaag gggtggaaga agtggaataa tcccagctgg aacaacagtt 240
 gatacagaca ttacacaccc atatgagttc gatttttacc tctgtagcca tgctggaata 300
 cagggtacca gtcgtccttc acactatcat gttttatggg atgataactg ctttactgca 360
 gatgaacttc agctgctaac ttaccagctc tgccacactt acgtacgctg tacacgatct 420
 gtttctatac ctgcaccagc gtattatgct cacctggtag catttagagc cagatatcat 480
 cttgtggaca aagaacatga cagtgtgaa ggaagtcacg tttcaggaca aagcaatggg 540
 gcgagatcca caagctcttg ccaaggcttg tacagattca ccaagatacc ttacgcacaa 600
 tgtacttcgc ttaaatagtc caagtatatt ctctgagang aagtactgaa agatgaattg 660
 acatacaacg tatgtttcca gtgaaagtca attgagtaag gacaccttca gccatacaga 720
 aaccaacact gtgg 734

<210> 2529
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(682)
 <223> n = A,T,C or G

<400> 2529
 gnncntntna gtgncatccg ttcnatcgga cnaggaaaa caagnatact aggcttggtca 60
 gggttagccc natgtttgcn agctagctgc tgggtgcagaa atacaagaca taaatattat 120
 ttcgtagaca gttattatct ccttactgtg aatttagcag aatttataga agtcttttgg 180
 gtagtaaagc tttggttaaa ttatttggtt ttaaaaaatc gcagttcatg aaacatttct 240
 acttattaaa tacaatgtga atactatata tattcttget actgggtcat aattgttagc 300
 cctctcccat gcctcttctc ctccctgaa tataacatgc gtattagaag gtttctttgt 360
 gttggatgct gtcctgaac catatgttaa gaggttggtca tattcatgta ttaagcccc 420
 attgtgtgtt gtgatttcat gacttttata tctaaaaaaa ccatattgta gatgttcttt 480
 agcttgaaac acgagtgtt tgaaatcttc cctttacctt tctatttggg cattcagtaa 540
 atctacacat ctgntttang ctctagttaa aatagatgat gtgatgcatt tctgngatgg 600
 nctggttgct gatttttttg gtaatggtt taatagtga atttctgggt catgcttacc 660
 tgggtgagttg gtaagtcggt at 682

<210> 2530
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(714)
 <223> n = A,T,C or G

<400> 2530
 ggggnnttgt ctaatgcagg atccctcgat tcgaattcgg cagcagagtt tccatttagt 60
 ttgatttttaa agctgcctt tntgaatata taataccaat tataaaataa atatgtgtaa 120
 gtaaaataaa atggtaactt gttttttata agaggggaag ttggttggtt ttataaatta 180
 aatgaacatt tatgcgncg gttattttta cgtaaaaata gttgttatat tctaggtaac 240
 agaaatttag aaacctattt ttctgtagaa gaaagggtt gctatctgct tttgatttct 300
 cagataattg cttctcctta gaatgctatg atcagatttt talagaatg aagttttcta 360
 aaggctttga ttggcattag cttcattact tatttgctta ggtaaagatt agcccaatag 420
 acatattatc tttatggacc attgcaaatt tttctaata ctaaccattt ttaacctttt 480
 atatatgaat aattaaggaa acattcaatt ataataaaat ttattcctgg cactatgtag 540
 gcactcaata agtatttggt aattgagtaa atgacccag tagataggta catacaatat 600
 acagggaatc tttttctact acgtgtgtt ttctcaaaa tattttttta gttccacttc 660
 atcatgaaaa tacttggaac ctgacacca agagaatcat gtttngggca cagt 714

<210> 2531
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(740)
 <223> n = A,T,C or G

<400> 2531
 tggggttntt taganccagc tctgttcttt gcggatccct cgattcgaat tcggcagcag 60
 aattttcctt atatgttctt tgacccttga attacttaga aatgtatttn ttaatttcta 120
 aatacttaca ggtttaaaaa ttttgtttcc aattactaat ttaattctgt ttcacagaa 180

agcacgacca	tctgtggcatt	gaaacttgag	ttatagccta	ctatcatgat	caatttaaaa	240
aatatatata	tagggctggg	tgcagtggg	cacatctgta	atcccagtg	tttgggaggc	300
tgagggtggg	gaatcacctg	aggtcaggag	ttcaagacca	gcctgggtcaa	catgacaaaa	360
ccccatccct	acaaaaaatg	taaaaattag	ctagggtgtg	tgacacacac	ctatcagtta	420
cttcaggggg	ccgatgtggg	agaatcgctt	gatcttggga	ggtcgagggt	gcagtgaagt	480
atgatcatgc	cactgtctcc	acctgggcaa	caaagtaaga	cactgtctca	aaaggaaaaa	540
aanaataaaa	tatgagaaag	gttatgatac	aatgttaa	gccaaaagta	aaatgtaaaa	600
tgatagctag	tgtttaatct	caatcatgta	aggaaaaana	aaaaaaaaac	tcgagcctct	660
anaactatag	ngagtcgtnt	acgtagatnc	ngacatgata	ggatncatgn	tgagtttgga	720
caaccaact	tgaatgcagg					740

<210> 2532

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (745)

<223> n = A,T,C or G

<400> 2532

gnggtnttt	taacccttgc	tcttgtcttt	gcggatccct	cgattcgaaa	aaaaattgtg	60
gtgattcaca	cctgtaatca	cagcactttg	ggaagccgaa	gcgggagggt	cctttgaggc	120
caagagtcca	aggccagcct	gggcagtata	atgagaccct	gtctctacaa	aaaattttta	180
aaagtaaaga	aattttaaga	taactaaata	ctacatagtc	atatatttta	aatattttatt	240
acataaagg	taaccaaata	gaagaggaaa	taatgttatg	ccctacttca	tatgaccaa	300
aactggaaga	tagtgtctga	aaatgaaaat	gattgtattg	ggaaggtaga	attgtggcct	360
tttttttttt	tttttctcag	ttttcttctc	attacatttt	caatttagtc	tttgtatata	420
gattttgggt	tattggagaa	tatataatgt	gctctattaa	tgtttaagtc	ataaaaaat	480
aaatttcaag	taatttaagc	tccaatagtt	atctaacctg	ccttctaata	aatgggaaat	540
aaatatttac	tttttgtttt	gataaacata	tatttgttgg	caactagcac	atgattttta	600
aagtatagtg	gaactataca	tttatgtctt	aaaattaaaa	ctataaagtt	atgtgactgg	660
gaaaggaaaa	ataattcatt	caggattatc	tgacatctta	gtattatagt	agtggtaata	720
ctacnctttt	gggaaatngg	tatcc				745

<210> 2533

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 2533

gntnggnttt	ttnanannca	ggctacttgt	cttttgcagg	atccctcgat	togaattcgg	60
cacgagaatc	cttcttggga	aacatgttat	tgtcctcatt	gtccagatta	gaaaactgag	120
tgtaaagtaa	gttaaattat	agtcctaagg	ttgaatgcta	ataaagacag	aatacaagtc	180
caatatattg	gactcaaaag	ccctcactta	actatggctt	ccatgggctt	cccttggctc	240
tctctgcctt	tttttatttt	ttcttattgc	ttgaggccct	ttctggaagg	taagtctgga	300
ttatctactt	cacactgttt	tagagaagac	ttgtgggttc	catttaccct	ttactcctc	360
cgctccatgg	cctttcaggg	agaacactgt	gggtatcatg	ctgggtggcc	tggagggtcc	420
aagtaacagg	aatctanaag	gatggaccag	atgtgaacaa	aagaaagcct	gagtaggaca	480
caaaacagag	aagtggggct	gtaacatctc	taagatatta	cagcttgcta	cttccactct	540

ctttgcaaat	gtgggtgaaac	ccangetgga	gtcataaaat	aatagcatag	gatcattaac	600
taaagtttgt	ctagtgtctc	cttgtgttca	cacattatct	cattgaacct	ctgacgatgc	660
taggaggagg	taaatagggt	tccctcttac	cttgggtgaa	ctgagtcctc	tgactaagtc	720
tcaggtcctt	tctaccattg	ngctgcan				748

<210> 2534

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 2534

gngngngnnn	nntttttnaa	nncgctcttg	tcttttgcag	gatccatcga	ttcgaattcg	60
gcacgaggca	gaagctgccc	gtgggcacca	cggccacact	gtacttccgg	gacctggggg	120
cccagatcag	ctgggtgacg	gtcttcctaa	cagagtacgc	ggggcccctt	ttcatctacc	180
tgctcttcta	cttccgagtg	cccttcatct	atggccacaa	atatgacttt	acgtccagtc	240
ggcatacagt	gggtgcacct	cgctgcac	tgctactcat	tccactacat	caagcacccg	300
gaataaagcc	cgcctgcccc	agtcggaaaa	aaaaaaaanna	nnnnnnnnnn	nnnnnaaaaa	360
aaaaaaaaact	cgagcctnta	naactatagt	gagtcgtatt	acgtagatcc	agacatgata	420
agatacattg	atgagtttgg	acaaaccaca	ctagaatgca	gtgaaaaaaaa	tgctttattt	480
gtgaaatttg	ngatgctatt	gctttatttg	taaccattat	aagctgcaat	aaacaagtta	540
acaacaacaa	ttgcattcat	tttatgttcc	aggttcangg	ggagggtgtg	gagggttttt	600
aattccggcc	gcggggccaa	tgcatggggc	cgggnaccca	gctttgggtcc	ctttantgag	660
ggtaattg	ccncttgggg	gaaatcatgg	gcataactgg	ttcctgnnng	aaaatgggat	720
ccggttanaa	ttncacn					737

<210> 2535

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 2535

agnaggnnnn	nnnnnggna	gnnnnnnnnn	gnnngnnttn	taatcggnat	ttctaattgct	60
nggctctngt	tctttttgca	gatcccatcg	attcgaattc	ggcacgagcc	ttcccacctt	120
gtgagttctc	ccagcagttc	ctggattccc	ctgccaaggc	actggccaaa	tctgaagaag	180
attacctggg	catgatcatt	gtccgtgggt	ttgggtttca	gataggagtt	aggtatgaga	240
ncaagaagag	agaaaaactg	ggctgacctt	gttatagtgg	ttatagtggg	gtccctaaag	300
ggaggaaatg	atttcancaa	aactggttga	acageggatg	aagatatgga	attcaaagct	360
ctaattggacc	tttttgaaga	agaagttgtg	gcttatgtgg	gagttacatg	ggcctctgat	420
ggaagaaact	aatctgttaa	gtatttgtgc	attttactaa	aatggcagct	taaagttgtg	480
tatctgctat	tgtgatgcca	atgcccggtg	ttttaagtgg	aaaaaaaaat	gacctctttg	540
atttctgtcg	ngtacacaag	aatttctggg	aaaagtaaa	aaaaaccctt	ttttatggct	600
cacacactta	agantagctg	ctcttaaacg	tgcgctcaca	gttgaaactgc	tttggttaat	660
tctaaataaa	tngttctttg	aggaaaaaaa	naaaaaaaaa	ctcgacctnt	anacctatgg	720
gagtcntatt	accgtnatcc	anacttataa	nan			753

<210> 2536

<211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 2536
 gagnagnnnn nttttngaaa gccnnnnnna ggnagntttn nagaggnttt tgaagccctn 60
 ctacttggtc tttttgcagg atcccatcga ttccaattcg gcacgaggcc acttgacaca 120
 gtgagtggcc tcttaaactc ctcgttactc taccatgtct ggctgtgtgg tgtctttctc 180
 ctgacgactt ggtatgtctc atggatactc ttcaaaatct atgccacaga ggctcatgtg 240
 tttcttggtc aaccaccatt tgcagaaggg tcagatgagt gccttccaaa agtggttaaat 300
 agcaatcctc ccccatcat aaagtattta gccttgcang acctgatgtt gctttctcaa 360
 tattctcctt cacgaagaca agaagttttc agcctcagcc aaccagggtg acatccccac 420
 aattggacag ccatttcaag ggagtgtttg aatcttttaa atggtatgac tcagaaactg 480
 attctctatc aagaagctgc tgctacgaat gggagagtgt cttcatctta ccagtgga 540
 cctaagaaaa ttaaattctc cagaagaaac tgcttttcag acacaaaat ctagccagat 600
 gcctcgccct tcaatgcccc cattagttaa aacattactg gtttcttcaa aattatctac 660
 acctgatgtt ttgtgaaccc cattttggga ccccatcttg gcttntantg gtaatggaat 720
 cggattggct tggaattttt ggntgtnaac acctggctat tgggcacccg caaaagtct 779

<210> 2537
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(769)
 <223> n = A,T,C or G

<400> 2537
 gagnagnnnn nttttngaaa agccnnnnnn nnggnagntt tnaagagncc ttgaagccat 60
 tgctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgagg gggcagtaaa 120
 taataatagg gaggatagaa aagtcagcat ggcattccag atgagaaaac tgaagcaagt 180
 taaactttct acatggtaac cgtgattatg tagttgatat acaaagtaat gactgtgggc 240
 cttcaagaag aggtaaaata cattcattat attaacgagt gcaccttaga aagatttctt 300
 tcaaaaagta gttgaagttt ttttgcttta aggagtaaatt ctcaatcatc tggaaattta 360
 acttctgtgg aatacctctt tacatcttaa aggaaatgtt aatgcattat attgaggtta 420
 ttattgcaat ggaattttca aaaatgtgag tgtgctcttt ntgtttctag aatctataag 480
 acacatatct ggtctaagta tagtgtctac taagacaatt tcacaatcca naaaatagtt 540
 ggtagccaa ggatatcaag ttcaaccca gagactagcc aaagaggga ggctatgaaa 600
 taaaaagctt atagatggct agnctcatat ctnggcttt atncctataa aaggatctca 660
 ngaaatatgn aatcanaaat atnggtattt aatctctccc ttttttggn catngcctct 720
 ttaggcccaa nggtttttgg gngaaatcat tggtnggcca attnggttn 769

<210> 2538
 <211> 754
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 2538

gnnnnnnnnnn	gnnnagggttn	nnagnnnnnnt	ttctaatacgn	aggctacttg	ttcttttttgc	60
aggatcccat	cgattcggtg	gtcctcactg	aagaaagaaa	cattcttctt	aaaagacttt	120
ttttctcag	agttggagcc	cacagcgtgg	tcaggaaaga	gaagtagcca	ctggtgggtc	180
ctggcatcct	cctgctgggc	agcccttctt	caaagtgtga	ggggtcccct	tgtgtacaag	240
caggaagctc	tgagaaagtc	aggtttgctc	ctaccacagg	ataattccga	tgaacctgaa	300
aagcgggttt	tggcttgtgt	gcagggactc	tgggtggaaga	aagggtgaca	gcacctgcct	360
gggcatgaca	caagtttaga	cccgtaccaa	gaggccctgg	aattgagggg	gggggttgc	420
gtggactctt	tctccctctt	aggaaactct	attgggtctc	catctgtcac	agaagcagta	480
aatgatgtag	gggctgccag	gtataggggtc	ctgtggggat	gctggaacat	gccgangcag	540
gacgtgccag	ccaccctctg	cccatatgtg	cacanggccca	cagatgtgct	tgtcggtagg	600
agagaccaag	ctgtctgtgt	gccccatgtc	tgacacctga	gacttcaggt	tcaccccatc	660
ctggttctgc	catttccatt	tgcaagggtg	ctttcccttc	cttttgggga	ctctttaacg	720
cctttgggnc	tgtttaaaaa	aaaaaaaaaa	aaaa			754

<210> 2539

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (742)

<223> n = A,T,C or G

<400> 2539

gnnnnnnnnnn	ggnnnngnnnn	nnnnngnnnnn	tttnaatnga	cnggctactt	gttctttttg	60
cagggatccc	atcgattcga	gtgcatccat	gcgttttcac	ttgttcttag	gctacttcat	120
ccaataatat	atttgagtag	ttctgaacag	gaacacaagt	aaggagaatt	tttttttttt	180
tttctgatac	agggtcttgc	tgtgtcaccc	aggatggagt	gcagtgggtg	gatcttgggt	240
cactgaaacc	tcaacttctg	tggctcaagc	catcctccc	ctcaagcctc	cgagtagctg	300
ggactacagg	cttgcaaccac	cacgactggc	taatttttgt	atttttagta	gagactgggat	360
tttgccacgt	tggccagggt	ggttttgaac	tcctggcctc	aagtgatcca	cctgccttgg	420
cctcccaaag	tgctgggatg	acaggtgtga	gccactgggc	ccacgtgagc	agcatatttt	480
taaaagctcc	cctgatgatt	ctagtggacg	agaaccacca	gtctatgtaa	ttatttgtct	540
gtttagtgtc	tgtctgtccc	gaaggtttag	aagttacaca	aggggagggg	ctgtaaatat	600
ttgttgaatg	aaaaatgaat	gcatgggaat	gaggatattt	ctttgcaata	ctgattttat	660
ttccttatac	accataaat	gggaatgctg	gatcatatgg	agctctattt	ttaatgtttt	720
gaggaccctn	catactgctt	cc				742

<210> 2540

<211> 892

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (892)

<223> n = A,T,C or G

<400> 2540

gctagttnga	agaggtgttt	ctaangnntn	ggaatcgaca	tctnnnnagg	cngncctn	60
gattcgcttt	gctctctcca	ttccaagttg	ttctctgttc	tagaaagcng	atgnngggnt	120

acatctactg	tttttgcccta	aacagaatcc	ctttntcctt	tttttgtaa	aaggctcatn	180
cctaataatta	cattgctctg	gaacgantga	caataccana	actcagcacc	ntgatcggac	240
egggacaatc	agattatcta	attcctcagc	aaacggagat	cgatccgaaa	agtggaaata	300
tganctcntn	ctttgtgntg	gcatatggac	cctgagagaa	agaaacttta	atcttttact	360
cttggaactg	aatnaagtnt	agctgcctaa	aaatcnnttt	cntgacactt	ngnaggtttg	420
tccacaatcg	ggngaaatta	nngggtnnga	cntaancact	ggatgaaaaa	aaatnccgnt	480
tantnttatt	ncnnttccan	ncttntnaaa	tanananttt	ntcanccttn	nntaatacta	540
ttanntatat	ntnttnnncc	cnnatnnncc	ttcttnctcc	tacnncnntn	cnatntnnnn	600
nnangntcnn	cnannnnntt	tnntatnttc	annatatntc	ntancnttna	ctaaaaacctc	660
cnctcgttna	nattncnnta	taatattntc	tctagannnt	ntnntntntt	gnnncttaaa	720
anctcntcta	tccctantat	nantnattct	taccatnaaa	tacactanaa	gtntntcac	780
gagacncgnt	atgttantnc	anactataat	cgcttncatn	tanntatatn	taaaantgct	840
atncagnnag	nngntnttat	atntttanct	ngnnaggnta	tcctcnatan	cc	892

<210> 2541

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (749)

<223> n = A,T,C or G

<400> 2541

gnanaggctct	atgtggctct	ngttagttgt	gcaggatccc	tcgattcgaa	ttcggcacga	60
ggatctactg	ccttagcaaa	tgtcatatat	atgattacaa	gattattaac	tatagtcacc	120
atgctgtacc	ttggaaaaga	aaacctactt	ttcttgctta	agtaaaactt	ttaccctttt	180
caaggactgg	gggacctga	gtatgtgcag	attttggtac	acgcangggg	tcctagcacc	240
aatctcctgc	gtgtaccaag	ggatgaccgt	gtgtatagaa	aatcacatgt	ttattaccca	300
tgtatttggt	gttggatgct	tagtctgttt	ccatatcttt	ctattgtaaa	tagtgccgca	360
gntacatga	gtgtgcagat	aactnttaac	aatactgatt	tcaatccctt	tgtggagttg	420
ctggatcgta	ttaattntgg	ggggaacctn	cgtctgtttt	ccataatggc	tgtaccaatt	480
tacattccca	ccaacantgt	acaaagatgn	ccatttttnc	atgtctcact	agcactcggg	540
tgtntttttg	gtatttagccc	ttcttaacag	tntcagggtga	tacccttatt	naggttttga	600
gtcaaatttt	ccanatgatt	taagaagttg	acaantnttc	atatacctgtc	aancgtnage	660
gatgnttttt	ttttatagnn	agacaggntt	tnntctgttg	tgcagantgg	tttaagatgg	720
tgcgancatg	gntcantttn	tcctttnc				749

<210> 2542

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (722)

<223> n = A,T,C or G

<400> 2542

gnnagnnnnn	nngngnnntt	tnagatacag	ctcttggtct	ttttgcagga	tcccatcgat	60
tcgatcagta	tgaactctta	aaacatgcag	aagcaactct	aggaagtggg	aatctgagac	120
aagctgttat	gttgcttgag	ggagaggatc	tcaatgaatg	gattgctgtg	aacactgtgg	180
atttctttaa	ccagatcaac	atgttatatg	gaactattac	agaattctgc	actgaagcaa	240
gctgtcccag	tcattgtctg	aggtcccag	atatgaatat	cactgggcag	atggtcta	300
attaaaaagc	caatcaaatg	ttctgcacca	aaatacatng	actatttgat	gacttgngtt	360

caagatcagc	ttgatgatga	aactcttttt	ncttctaaga	ttggtgtnc	atttnccana	420
aactttatgt	ctgtggcaaa	gactatncta	aagcgtctgt	tcanggttta	tgcccatatt	480
tatcaccagc	actttgattc	tgtgatgcaa	ctgcaanagg	aggccacct	taacacctcc	540
tttaagcact	ttattttctt	tggtcaggag	tttaatctga	ttgataggcg	tgaactggca	600
cctcttcaag	aattaataga	gaaacttggg	tcaaaagaca	gataaatggg	tcttcttaga	660
cacagttccc	ccttgettca	tctattgcta	gaactatctc	attgctatct	ggtataacta	720
gt						722

<210> 2543

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 2543

gnnnnnnnnn	nngnnnggatt	nnancgantt	tgchnaatna	nagctacttg	ttctttttgc	60
aggatcccat	cgattcgaat	tcggcacgag	gcggttgagg	ctggacacgg	gacccagag	120
cctgtctggg	aagtcgacac	cccagccacc	atcaggcaag	acaacacca	acagcggcga	180
cgtgcagggtg	actgaggatg	ccgtgcggcg	ctacctgaca	cggaagccca	tgaccactaa	240
ggacctgctg	aaaaagtcc	agaccaagaa	gacagggctg	agcagcgagc	agacagtga	300
cgtgttgggc	cagatcctca	agcgactcaa	ccccgagcgc	aagatgatca	acgacaaaat	360
gcacttctcc	ctcaaggagt	gaggcttggt	ccaatacatg	gctctgcccc	ccagaactta	420
aggctctact	gccccttcgc	catcctagan	tgaggctctg	tccaatacat	ggctctgcct	480
ccagaacttc	agctctcagt	gacccttcga	catcctgctt	gctcctgact	tccaaggccc	540
cgtagttagc	aattctggaa	aagttaagcc	atctncttc	tctggncctt	tccttctggg	600
aatcttcaaa	atgcctgtta	ngnccttcn	ttattggccc	tcctccttc	cttggcttcg	660
ggccttcctt	taaaacttga	ccaaaggggc	cttgttgctt	ggcccaactg	gggtaaaactt	720
ttttacaagg	ttctttccct	tttccacttt	ccctnaaag	tntt		764

<210> 2544

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 2544

gnnnnnnnnt	tttnnaagac	cangcctctn	gnnctttttg	gcangcagtn	cntaganctt	60
ngtgcaggat	cccatcgatt	cggaaaacat	gagacataga	aatcattgag	attcatcaag	120
aaaatgttta	attataatga	gcatgaagtt	agtaaaaggt	ggacatttga	agaaggtatt	180
aaaagacctt	actttcatgt	gaaacctttg	gaaaaggcac	aactaaaaaa	ctggaaagaa	240
tacttagaat	ttgaaattga	aaatgggact	catgaacgag	ttgtggttct	ctttgaaaga	300
tgtgtcatat	catgtgccct	ctatgaggag	ttttggatta	agtatgcca	gtacatggaa	360
aaccatagca	ttgaaggagt	gaggcatgtc	ttcagcagag	cttgactat	acatctccca	420
aagaaaccca	tgggtcatat	gctttgggca	gcttttgagg	aacagcaggg	taatattaat	480
gaagccagga	atatcttgaa	aacatttgaa	gaatgtgttc	taggattggc	aatgggtcgt	540
ttacgaagag	taagtttaga	acgacggcat	ggaaatctgg	aagaactgaa	catttgcttc	600
aggatgccat	taagaatgcc	aaatcaaata	atgaatcttc	attttatgct	gtcaactacc	660
cggcatcttt	tcaaaatnca	gaaaaacctt	ncaaaatcaa	gaaangngct	ttttggaagc	720

aatcgaaaga gncaaggaga acacaagntn tncctcaatt tact

764

<210> 2545

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(800)

<223> n = A,T,C or G

<400> 2545

gnagnnnnnn	ttttnnaang	tccngncnnn	gnnngnnttt	nnagagnnnt	ttnaancnnc	60
ntgttgacagg	atcccatcg	ttcgaattcg	gcacgagaa	atctcctctt	gtcattccta	120
ggacatagac	ggttaggga	actctcatct	ttccttcacc	acctcatgag	tctaaaaaca	180
atgataaacc	cagggagct	tgctgaaaag	catcctccat	ttggttatng	ctctttgtct	240
aggaaaatca	gnactcagct	gtgaatngtg	gaccaagtgg	tcgagaactc	attactttga	300
acaatgcctc	ctcggcctgg	gaagcatgtg	ctctcttcta	ctagcagggg	cttattccag	360
gctggctttg	gtcacaaagg	aaatcattta	gacacagttc	agtggtttct	tattctgtct	420
cctccttacc	ctgcctgca	cccctgtcct	taagaggga	aagggtgnag	gtgctgtctg	480
gtatcattgc	tgccctgcca	gtaganggtt	gcccgtgtg	caagggtaac	tgcccgctg	540
ctcccttctc	gacctccct	ggaccccgaa	gatcacttac	ctctgggtcat	tcangcmtt	600
gggggtacaa	tcctggataa	agtcgngtca	aaaactggcc	aaatttcaag	gacttgaaaa	660
tgnngttttt	taaaaaaacc	aaatccctta	tnaacntcca	ctttggnacc	tttaanattt	720
taaaaactgg	gggnaaaaat	ggngaanaatt	cctttgggac	ccactttttt	taaattnaat	780
ttaagccctt	naatgggaan					800

<210> 2546

<211> 852

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(852)

<223> n = A,T,C or G

<400> 2546

gnagnnnnt	ttttnngaag	cnnnnnnnnn	gnnngntttt	atagatcant	tnacttgctc	60
tttttgacagg	gatcccatcg	attcgaattc	ggcacgagca	cattttcctg	ttttcttcca	120
agccctccac	agtgttccaa	cctctgccgg	ttaccatttt	ccaaagtcac	ttccacattt	180
tcgggtatcc	ttatagcagc	acccactctt	accagtccaa	tttactgtat	taagtccatt	240
ctcatgctgc	tataaagaac	tgctcaagac	ttgggtaaat	tattaaaggg	aaggagggtt	300
taaattgacc	cacagttcct	cagggttcgc	aagggcctca	ggaaacctac	aattatggtg	360
gaaggggggaa	gcaaatgccc	tacttcacat	ggtggcagga	aggagaagaa	tgagaaccaa	420
atgaggggaga	agccccttat	aaaaccatca	gatcttgtga	gaacttacta	tcatgagaat	480
agcatggggg	aaactgccct	gtgattcaat	tacttccact	aggtcactcc	accatacatg	540
gagattatag	gaactacaat	ttaggatgag	aatttgggtg	gggaacacag	nccaaaccat	600
atcaaggtnt	taaccagcag	gaatttaacc	caagcctgag	ggaaaagact	tttcaagaag	660
cttcaaaaaga	ctgggttctt	nccaaaaaatt	ccagggttagg	acccaaaaaa	tttaaannnn	720
annnnnnnaaa	aaaaaaaac	nttggagccc	cctttttaga	aaactttttt	ngtgggaagt	780
cccnantttt	accctgttnn	aattcccnag	nacccttgga	attangggaa	tncccaattt	840
gggttngnaa	gn					852

<210> 2547

<211> 852
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (852)
 <223> n = A,T,C or G

<400> 2547
 gnagnnnnt tttngaaaag cnnnnnnnnn gnnngntttt atagatcant tnacttgetc 60
 tttttgcagg gatcccatcg attcgaattc ggcacgagca ctttttcttg ttttcttcca 120
 agccctccac agtggtccaa cctctgccgg ttaccattt ccaaagtcac tccacattt 180
 tcgggtatcc ttatagcagc acccactct accagtcctaa tttactgtat taagtccatt 240
 ctcatgctgc tataaagaac tgctcaagac ttgggtaaat tattaaggg aaggagggtt 300
 taaattgacc cacagttcct cagggttcgc aagggcctca ggaaacctac aattatggtg 360
 gaagggggaa gcaaatgccc tacttcacat ggtggcagga aggagaagaa tgagaaccaa 420
 atgagggaga agccccttat aaaaccatca gatcttgtga gaacttacta tcatgagaat 480
 agcatggggg aaactgccct gtgattcaat tacttccact aggtcactcc accatacatg 540
 gagattatag gaactacaat ttaggatgag aatttgggtg gggaacacag nccaaacat 600
 atcaaggtna taaccagcag gaatttaacc caagcctgag ggaaaagact tttcaagaag 660
 cttcaaaaga ctgggttctt nccaaaaatt ccaggttagg acccaaaaaa tttaaannnn 720
 annnnnnaaa aaaaaaaac nttggaagcc cctttttaga aaactttttt ngtggaagtt 780
 ccnnanttt acccgtnnn aattcccnag nacccttggg attangggaa tncccaattt 840
 gggtnngnaa gn 852

<210> 2548
 <211> 879
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (879)
 <223> n = A,T,C or G

<400> 2548
 gngngnnnnn tnnnnnagn nnnnnnngnn nggtttngat cagctcttgt cttttgcagg 60
 atcccatcga ttcgaattcg gcacgaggtt gtattggaaa gcagtagtgt ggacgaattg 120
 cgagagaact tagtggaat cagtgggatt cctttggatg atattgaatt tgctaagggt 180
 agaggancat ttccctgtgg atattctggt ccttngntnt tcatccanga atttaanaac 240
 tgggaattcc taaaagtttt cttacccctt gaaatggctn tgggcccctc tttttaataa 300
 tcctggtgga atggaatggg ttgcccggtt ccantaattt ttttaattang ggggatttaa 360
 aaaaccaaga aangnaaatt ttaaatnggg aaaatttggg accaggaatg gaagcccaaa 420
 angaaaaatt ggaaacctgg gattgnaaaa aaaanggaaa aagnccagtt ccgaactttc 480
 ccagaaaaga acntggggac canttcgggg gttaaccant acctcaacc ntcggttaaa 540
 aggaggaaaa ggccacctta aaaaaantat tantcttggg attggaagcc accccaaant 600
 taaaggaatc tggacntcaa ggactggacc tctggatagg tggtagccat tttnccttgg 660
 ggggaagttt ttggttttaa ttatagggnt cacttccact gggtagtgcc attttggncc 720
 ggacatggtt ggggtaccca tgaccacac tgatggactg cctaccatc agaactcatg 780
 cccaatggcc ctggtttgac tcggatcatg ttggcctata gtcaaagtc tgtaagtga 840
 anggatgtgc aaaaataaaa aaaccccaaa aagctccna 879

<210> 2549
 <211> 797
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(797)

<223> n = A,T,C or G

<400> 2549

attnnnnaaa	ctttatnnca	ttttgtact	tggtcttttt	gcaggatccc	atcgattcgc	60
acactccagg	ctgagaaaga	gtaattagga	ggcctgagga	ggggccgagg	aaaggctgtt	120
ggggtgtgct	ggggttggtg	cccgagcgcc	ttccctcac	ctcaaccana	gaagagcatn	180
cgggtgtctt	ttaaagcttt	tancctgccc	tagcaaggac	aaagcatgtt	anattagaga	240
tgcttctgct	gatcgacagg	gttcttattt	gaaaacatct	atnatggggt	ggggtgggag	300
gagacagggt	gtggttatgc	angaaaatct	tgctcctaaa	atatatgact	tngggggtaa	360
ggggtgggat	agccaagcaa	aactcactnat	tattntaaaa	tgaacatatg	tnttttnatt	420
aacttttngt	taaatacaga	ttttacaact	aggtcagcat	angcctnaat	ctatatagag	480
ggctaactca	ggcattgtct	ngtttatttg	gtagactgga	ttcaaaaaca	cctgtcctgt	540
tttgtcagnt	cccagcttnt	tcntttagaa	taaattanac	caaaaagnac	aaactgtgct	600
cgctcttgta	taccgcgaga	atgaactact	gttgtaaaac	tggatttttt	cattatacta	660
ngttncgaaa	agcnagatgc	ttggtanatg	tacaatacca	ngatcctttt	taaattgaat	720
ggggtgcatt	taaaaatcct	cncttaacat	ttctaagaaa	gaattgtttc	aataaaaata	780
ntggaatctt	canangg					797

<210> 2550

<211> 724

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(724)

<223> n = A,T,C or G

<400> 2550

gggagnnnnn	nnnggntttt	cnacgtgaan	nccttgttct	ttttgaggga	tcccatcgat	60
tcgcacagat	ccaggaaaaa	tcaaacgtat	tagaggaaatg	gcgtactctg	tacgtgtgtc	120
acctcagatg	gcgaaccgga	ttgtggattc	tgcaaggagc	atcctcaaca	agttcatacc	180
tgatatctat	atttacacag	atnacatgaa	aggagtcaac	tctgggaagt	cnnngggctt	240
tgggttgtca	ctggttgctg	agaccaccan	tggcaccttc	tcagnctga	actgnggctt	300
caacccccag	ggccagggan	cancagtact	tncanangac	cttgnctga	actgtgcccg	360
gctgctgntg	gatgaaatct	acaggggtgg	atgcgtnnac	tnnaccancc	aangcctggc	420
gctactactc	atgacccttg	nacagacgat	gtntacaaag	tcctgctagg	ccctntntct	480
cctacacgat	agaattttgc	ggcatttgaa	gagctnttnc	cacattatgt	ttaaaattga	540
aaccaagcca	tgtngtgaan	aactcaagg	ggggataaaa	gtgctgatga	ccctgtgtgg	600
cattggnttc	tncaacctta	gcaagaccct	caaagtata	accatnaca	agataaggnc	660
ccattgccta	cngacaaagc	aanagcttgc	canggnccca	atggggacca	agtncaattg	720
gttt						724

<210> 2551

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n = A,T,C or G

<400> 2551

tatatataca gctcttggtc tttttgcagg atcccatcga ttccaattcg gcacgagctg	60
ggtctcaggc ctttgaactc aaactggaac tacatcactg gcgctcctgg tctccagctt	120
gctgactgca gaccttgaaa cttctcgggc tccattaacc tcttttatat atagagagag	180
atacatacac acacacacac acaaacatac acacacacac acattgggtg tatactctgga	240
gaatcctgat taatataccc gataaattca aaacaaaaca aaacttgaaa aaaaaatttt	300
tcagggtgaat atttggtttt tagcatctga gtttcagtcc aaacagggaa ggaaagagag	360
gaagtgtctt caaaaaatat agacaccccc caaaaatata ttaaataaat aataatttag	420
atccaagatg ttattgatgg ttggagtata gaccactacc catacaaaaa gcactgtagg	480
aatggaggtt cttcagagag tagaattgtg gttccaangg ctaggcagga aggcagattg	540
ggaagatgtg gcaaaggatt caaaatttca gtttagagang agttaagttt gaagagctct	600
attataccaa aatggtggac ctatgggtta ataaccaatg ganttaatat ncctcgaaat	660
attgcttgaa aagtaggttt tnaagtattc ttggcccaa antaaaaaaa aactgggggtc	720
t	721

<210> 2552

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (781)

<223> n = A,T,C or G

<400> 2552

agngttttta naccgctct tgttcttttt gcaggatccc tcgattcgaa ttccggcacga	60
gaaacaatat aactcaaatg cctttctaca ggactacaaa ctgtctgtat caggttatgg	120
ggttaaatca taatttctgg atcatgatct taaaccttta attggttcca tttctacttt	180
actctttact aacaagtatc ctgatggcct gaaaatccat gttgaaattt gaagtttgaa	240
ttttccagat caaatatgaa atttattttc atttttttaa gtacaaaata tcagttgtat	300
aatcatggta aaacataaaa ttttgctata aaagattttt aaaggctatt tgattaaaca	360
tttatttact taaactctctt gctagaattt tttttagaat tcagcatcgg agggggaatg	420
tgacataata atgatcgaaa gccgaaagt taaaagtgt gatgccctca catggttgga	480
gggttattct agcttctaan ggactgaatg ttgtccacaa gaagtgtcat cagggtcata	540
aattggtaag gacttaaatg gcttaagaat tttatggtat tatacctgaa gggtattggn	600
attgaggaa tgaaatattt aatggaacca aaaatggagn cccatttgg ggtaaagaa	660
gttttaggta nttaaaattt tttaaggttt aaaaaccttn gggaaatttt tnaaaatacc	720
tttggaagt tattgttaaa gccctttttc gaaaagtcct cntttgnang gccttgaaaa	780
g	781

<210> 2553

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 2553

gtngnggntt aatancagct cttgttggtg gggaggatcc cttgattcgn attcggcacg	60
aggattttcg aaactcttca gctacttgcc cttttttatc tgaaaccatc ataccttctg	120

aaagaaaaaa	gcatatcttc	attgacataa	cagaagtga	atggcccagt	cttgatacag	180
atggtaccat	gatatatatg	gagagtggca	ttgtgaagat	aacatcttta	gatggtcacg	240
catacctctg	cctgcccaga	tctcagcatg	aattttacagt	acattttttg	tgtaaagtta	300
gccagaagtc	agactcatct	gcagngttgt	cagaaacaaa	taatanagcc	ccaaaagata	360
aactagtga	aaaaactggc	aaaatctgta	tacgtggaaa	tttaccagga	cagagactga	420
agaataaaga	aaatgagttt	cattgccaga	tcatgaaatc	caaagaaact	ttaaagaaga	480
tgagtgtgtg	aaatggaact	gaagggaggg	aagagctgcc	ttcgccctgg	acaaagcaca	540
catgtgtata	cacatgggtc	aancagtgct	ggngctgtgg	tgccctgtcca	gagggaatgga	600
aatatccttt	ggcttttagca	cttcattttt	taataaaatc	ancantatgt	cttnaaaaaa	660
naatttaaaa	naaaaacttn	ancctntana	actttangtg	ngtcggttta	cntanatnca	720
ccttgataag	accattgatg	agtttgagca	acccn			755

<210> 2554

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 2554

nnngngnttn	anancagctc	ttgttggtng	ggcggtatccc	tcgattcgct	catttgtttc	60
attcacattc	ctcacgtgca	acaacataat	tatatatttaa	gaaaatgtaa	ctttgtttaca	120
tcaaaatatg	ttgtctagta	aaaagttgat	attcagtaga	acaaggatca	tgtaaaataaa	180
catctatttc	acatgtaccc	aaaagcattt	aaaaagcaga	atccagggcc	cagagcatga	240
gccagggagg	aggatgtttt	tcttcttttc	tctatttttc	cctaaattgt	gcaaaccatag	300
gtgagtcctc	taacctttct	gtgcctcagt	ttttctacct	ctaaaggggt	gggatgggtc	360
ttcaaattgt	ttctaaaaca	ccggcacttt	cagcagtggt	ctgggtggcct	gagatgagag	420
caccgtgttc	agaagtgcct	gggagtggca	cagtggaaac	tccgcttgca	cggaccatgg	480
agtctgctca	ggaccatgct	gtaggacaca	cagcctcatg	cgctgagaaa	gcaaaggaag	540
tgctgggtgt	aaagtgtgca	tgattccatg	aagctttagt	tttctttttt	ttggtttaaa	600
agaaaggggt	ttatatgttc	tattgtaaaa	tatggaaatt	aaacagggac	ttcagaaagc	660
cgacaggaag	atcaccttct	gatgggtgta	tgtgctcctg	acattcaggc	cgaggatgga	720
ttctgaaaaa	gattaatggn	ctgtgaaan				749

<210> 2555

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 2555

gnagaggggt	nttcnnatan	nctgctggtg	gncangatcc	cattganncg	ctttgccatt	60
gtggctgtgc	gagctcagcc	tcctggaaac	ccgccttgag	cttggttaac	agcattcact	120
ccagggttag	cccagctcca	ggttatcgca	ggcaggactc	ccgagaacag	gttcattgtt	180
gctttttggg	agggtgctcg	ctaaagtgga	aaaccaccct	gggcccagtg	ggacctcccc	240
agctgggagg	ctgttaacca	gccaggatgt	ctgacctga	gaagtacccg	tgactcttg	300
ggactcattc	ttctcatcag	caggatgggg	tgatggagcg	ggccttactg	ggtgctgggg	360
atgatataaa	gaggtggcgt	gtgcatgtgt	gtgtgtctgt	gtgtgggcga	acatgtttgg	420
taagtgatag	gctctgcaca	cgtgcacggc	accatcatgg	ttccctccct	gcagcacttg	480

gcacgcagtg	ggggctcaaa	gcacaggccg	actgatggcc	tggggttgca	gccctgctcc	540
gtgtgtccct	gggcacttgc	ttactgacca	ccccacaggt	gaacacgggc	aggtgggtgt	600
ttggaggtgt	gaggctgaag	aaggctctgga	tcttgcaant	cttgcnctg	gatagttatg	660
gggtctggaa	ggggctttta	ttgcgcctgg	tgtttctgc	taaggccaaa	tttgggcttg	720
cctgaccttn	gggttttggg	gccctcttan				750

<210> 2556

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (747)

<223> n = A,T,C or G

<400> 2556

ntctatagca	gctcttgttc	tttttgcagg	atccctcgat	tcgaattcgg	cacgaggcca	60
cggcgctcgg	cctgaatttt	ttttaatact	taatttagat	caataacttc	gactgggtact	120
gaaatttgca	ctcactttca	gcttacagtt	tgggtaggac	tgctagacct	agttcttttg	180
tcctctcatt	cttagagagc	tcttgaaaac	caaagtattt	aaaaccctgc	aagtttctgt	240
gcagatgagt	gcaaatttcc	accagcatt	ggttcctgag	taattagagg	aaggaagcca	300
tgcaaaagct	gctattgccc	aggctccaga	aaaacatcat	gtaaggtttg	attccatact	360
aattgttcaa	agtgtaaaag	aaagctgact	gtggcagttt	ttacctcctt	ttcttttttt	420
tccttttaaa	aataatccag	agacattaag	cccaacagtt	tctctttgct	tttttccttc	480
tctagcacat	tttcttgatg	agtctaaggt	gtgacctcta	ctgaaatggc	tcccaccac	540
cttctnctat	ggaagtggat	ccccagcccc	atctncttgg	acctcgtggc	tgtgtttaga	600
aaattagcat	cagcctaagc	caggggcac	agcatggagc	cccctggtca	ttggctgatt	660
gccacctnt	ntctggtgga	agcccgacta	gggantggtn	ggangtcaac	ctaaagttaa	720
ngcaacctga	tgaatggtta	ttgactn				747

<210> 2557

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 2557

gngnnnnnnn	nnnttnnnag	nnnnnnnnnn	gnnnnnnnnn	nngnnnnnnn	nnnnnnnnnn	60
ntttttnnat	acagctattg	ttctttttgc	ngatcccatc	gattcggcca	catcgggggc	120
accaccctcc	atgcctttgc	aggcatcggc	tcaggccagg	ctcctctagc	ccagtgtgtg	180
gccctggccc	aaaggccagg	cgtgcggcag	ggctggctga	actgccagcg	gttggtcatt	240
gacgagatct	caatggtgga	ggcagacctg	tttgccagtg	gccaggccta	tgtggccctt	300
tctcggggcc	gcagcctgca	gggcctacgt	gtgctggact	ttgaccccat	ggcggttcgc	360
tgtgaccccc	gtgtgctgca	cttctatgcc	accctgcggc	ggggcaggag	cctcagctcg	420
gagtccccag	atgatgatga	ggcagcctca	gaccaggaga	acatggaccc	aatcctctga	480
gcctcaccca	caaagaggag	acaaagggtg	gcctgtggcc	tncctgtctn	ctgctcctag	540
tggcccaagg	ccccagggaa	taactggagt	aggcaggcaa	gtgtcccttt	ctgnattttt	600
tanggactct	aacctttctg	agggttaaan	ggagagtact	ttaaacccat	atccactgtg	660
cttnattttc	ctncttttgc	tggtaactgc	tgtagggtag	aagtaccttt	ctgtgccagt	720
ganaatgacc	tgtgtggtac	tgatgtaaaa	n			751

<210> 2558
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (751)
 <223> n = A,T,C or G

<400> 2558
 gnnngnnnnnt ttnnaagacc nnnnnngngng nnttnagnnn nnntnnnnnn cnntggctct 60
 ggttcttttt gcaggatccc atcgattcgg gaaaattgta attctgaagt ctgggtgaac 120
 ctgacttgca cctacttctt tcttgggatg tataaacaag ctgaagcagc tggatttaaa 180
 gcttcaaaaa gccgactcca aaaccgcctc ctcttccact tggctcaca gtttaatat 240
 gagaaaaaat tgatgagctt tcatcaaaat cttcaggatg tcacagaaga tcaactcagt 300
 ttggctcaat ccactatatg cgatctcact accaagaagc tatagatata tataagcgaa 360
 tactgctaga taacagggaa taccttgccc ttaatgttta tgtggccctc tgctactaca 420
 agttggatta ctatgatgtg tctcaagaag ttttggctgt ttaccttcag caaatccctg 480
 atagtaccat cgcactcaat cttaaagcct gtaaccattt tgccttttac aatggcagag 540
 canctgaggt attgatggaa gtgtgttttt aatgtacttc attccaattt gaattacttt 600
 atctttccaa gttattcatg aaactctggg atctgtactc ttgatnatat ccctttatca 660
 ttgncactgn gatctataag acctaattat atgttatcag gtattctnaa aagaatgttg 720
 acttctgaat taaaaaaaaa aaaaaaana a 751

<210> 2559
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (765)
 <223> n = A,T,C or G

<400> 2559
 gnagnnnnnn nnnnggnagn nnnnnnnngng nnnngnnnnnn nagagnnnnt tnnnnncent 60
 ttgtaannnn acagctactt gttctttttg caggatccca tcgattcggg gatttacttt 120
 ctcatcca aa atacatattg gatattgtat ctaattttgt attggtaatt ttgggttatg 180
 aaaccccaga tttgaagccc caaatgtgat agggttcaat gcccataaaa ccagatctg 240
 cccctgctta gaggcggcc cctctaggag acagcatgtg gggccaccca gagatgcagg 300
 actcttctgt tctgccctat cgcagcagag aggccatccc tggagctgga aggtgcagac 360
 tgggaattgc tcttctctg aattgctagc tctgtcta at gcctgcattg ctgctgcaaa 420
 ggatattcag aaaaagttgc tcgtcagaaa aagaattcat gctagctctg gccctgctgc 480
 tgatgcattg tgtgaaaccc ttgagtgaact tcacctcttg gaactcagtt ttcccatttg 540
 taaagtgata tcaatacttc cgggtgtgggc tcangtttgg gccctgtgaa ttgtaaagct 600
 ctatgccatg ggaggatgta tgattataag ttgngttgct attacttgna ttgctaaaat 660
 cttgctatta ttgaaaaatg cccaaacctt acatttcagt gactaaagag caaaaccagt 720
 gttcactctg acatagnttt tttaaatttt cattcattca ctcat 765

<210> 2560
 <211> 763
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 2560
 gnnnnnnnnn ttngnaann cennnnnnngn nagnnnnnna agnnnnnttn aannnnnttt 60
 ncnatgcna ggctcttggt ctttttgag gntcccatcg attcgaattc ggcacgaggt 120
 agagacgggg tttcaccatg ttggccagga tgggtctcaat ctcttgacct cgtgatctgc 180
 ctgccttggt ctcacaaagt gctgggatta cagggtgtgag ccaccacgcc tggccggcgtt 240
 atttttatcc acagtaaatac ttcagcaact cattgtctcc accagatagt atttttctgt 300
 aaatgaaatg ctgacttcgc ctcttcctgc tgtatgctca tccttgacct gagcacagat 360
 atgacaagca gtagccatgg gggangtggg tgacaaagat aggaccccgagg gaggggggcgc 420
 aggtacatgc tagtttcaat taccacagta ttctagagac nggttgcaat gacaaggggg 480
 gcaaatgaaa tcaatgcaag attttttaat aatgggcaga cagaaaaatg taaaaccaca 540
 caaacgggac tgcgtataat atttttaaat atacttattt gncttctttt tgcattgtga 600
 aaaaacaaaa taaattttgt gtgataattt tgatgatgaa aggtggaaaag ttctacctan 660
 atttgaatga ntgttttttt aanggggaatg aaatgtcat ggtgctnaac cttgcccaatt 720
 agaagaatca ttgaaatgc tgaaaaattt nacagtcttn tta 763

<210> 2561
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(706)
 <223> n = A,T,C or G

<400> 2561
 tatatatata agctacttgt tcttttttga ggatcccatc gattcgctcc agcctggggc 60
 gacagagcaa gactctgtct caaatagata aataaataaa aatacaaaaa aaagaaactc 120
 aagggtacagt ggtgggagtc aaaaaagcat aaggggagaaa accaagactg aaaactgtta 180
 ttgagcttag tctgtgccta gttcagtcct tagcatttta caagttttct ctgagttaac 240
 aaagtgtgtg gggaaactga ggctttcaga tgttgaataa cttgtgtaag ttgtagagca 300
 gggtcttttc catagtcccg cattttttac ctgcaataca gcaatgcggg tgcccaggcc 360
 cctcccagga gaggttgcgc ttccccggag gccacacttc ttcaacacct tttgcctaaa 420
 ggctcttttt ccctaaaggc tcaactcatc ccttgcaaaa taccacaaagc caaatgagtc 480
 taganggtaa accagccatg taggatgtgg acctttacaa ctgaaggaaa ctgaggtatt 540
 tcaatatgat gaaatactct gtagtcatta aaatgataga tgtgaatgtg tagaaatatg 600
 aaaaagtttt gggaaaaagt tgcacatata tgaagaaacc aattgaaagc aatgggcatt 660
 tattaattta ttttggttnt gggttttttt tgagaacaag cccnct 706

<210> 2562
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 2562
 gnaagnnnnn nnnnnnng nnnnnnagag gnnnttgaaa ncnnttgca atgcnaggct 60
 acttgttctt tttgcaggat cccatcgatt cgctgaataa caacctaaact actaccctc 120

aacctcacc	ccacccag	aaaagtaagt	ctttttctaa	cgatccacca	gattaggggt	180
acattttaaca	gtaactagaa	aggttaattn	taaccttaat	cagaaagatt	aatttctgtc	240
ctttcagttct	tctttctgtg	ctcataaata	agcattgntt	cttttaataca	acctgggcag	300
tatctttctc	attttaacag	ttgtctagag	ctcagttgtc	ccagcattta	tttctactgg	360
ccttgatgga	tggaggggtg	tgttgcttca	gtgtttgggc	agtgcagacg	atgttgagat	420
tcacattcgg	tctcgtctct	ttgttggtat	aggataagtt	ctcaaagggtg	ggattcctag	480
atccaaggct	tctgacacac	acactgctga	ttgaacctca	gtggcagtg	ttgagtgcac	540
ctgttcctca	ctcccatttc	acctttattc	acatgttgat	tcactcagca	tttaattgagt	600
gcctattatg	tgccaggcct	tccttcagtg	ctggggccct	tcancaatca	aggcagataa	660
agattgctgt	tgtgagccat	gtgtggtagt	gtgcacctgt	agtcttagct	acttgggaag	720
ctgaagtggg	aggattgcgt	gatccccgg				749

<210> 2563

<211> 701

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(701)

<223> n = A,T,C or G

<400> 2563

aaatngctag	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgaggg	60
ggccatagcc	tctattcctg	cccagctgtg	gatcctcagc	ttgccatggt	aggtacactg	120
gaccagcttg	tggagccata	gcccaggagc	tcagggacat	tgagtgcagg	tttcttactc	180
ctacctgctg	gccctgtggc	tgtccctggt	ggccagccca	gctgcagcaa	aacctacaaa	240
gcctccagcc	atggtagggc	tcttggaacct	gccccagtc	gctggggctt	gggctgctag	300
gggttttggc	acacgtccat	gtttggcgga	gggtgtgcct	tcaaaccctg	aagggcctaa	360
tttcaccatt	ctttctggct	gcccaggga	acttccctgc	ttttctccct	tgctgttggc	420
tggataaaac	tggcaatcag	aaagtcaaga	gctacagctg	atgggtcatgg	tgttcccgaga	480
gagtcaggaa	tatccatgga	agctgagcag	atgcctggtt	gctctcccat	ctcagctctt	540
tgattctgag	accatcatcc	gctcattgac	ctttgatcac	aaaactttga	acttctgaat	600
tctgtcccaa	atccctngct	cctttttncc	ctatccctgt	gccaaccagg	aagtttcttc	660
tattttncang	cctcctggca	naagcaggct	tccggttggt			701

<210> 2564

<211> 697

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(697)

<223> n = A,T,C or G

<400> 2564

aaatagctag	ctcttggtct	ttttgcagga	tcctctgatt	cgaattcggc	acgagattaa	60
attcattagt	gtgaaagagg	tgggagttag	gttttctggc	ctgaagcagt	ctgcactgaa	120
aggtacccaa	gtggcctgaa	acagtgtagg	gaaagacctg	ggaaacactg	gacccaaaaa	180
gcctgatctc	atggagacct	gcatggccct	gttagagatg	gcgtagaagt	gaaagtccta	240
aagggagcat	tagagatcct	tttaatacac	gactgagtg	cagcttattt	gtgatgcccc	300
ttcccagacc	aggttaggat	tcctgggaag	gcccggggat	tccggccctg	gaagaggcag	360
gatcctggag	cagttttgtg	aggcttttgt	gctcccatat	gccccctggg	ggtagtgta	420
aagaagactt	tgctctcac	aactacatgt	atgtgtggca	tttttgtag	agatgagaaa	480
aggattgaga	aggataaact	ggaatcctgg	taagaacctt	tatgccaccc	gacacctgct	540

gtaattgggg	tgcattgagct	atggagtcag	atagttgttg	gganggggan	gacaagaagt	600
ctattgtttg	gactgtgttt	gtcacaatc	accacaaaat	aaaatgtnga	aaatgaaaaa	660
aaaaannnaa	aaaaaaaaact	cgagccttta	aactttt			697

<210> 2565

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 2565

gnnnnnnnnnn	nnnnngagnna	ntcnannnnnn	nttttatnna	tacangctac	ttgttctttt	60
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gagtaggttc	agctctaaca	taccttaaga	aaaatgcata	tcggtgcact	gtatgtattt	180
caaaatgcct	ttcctatgat	tgcatgtcc	tcctttaagg	cttttccctc	aaatttatta	240
caaatttagt	atttttagta	cttgatgact	ctaattacat	gaatgcacct	ggaatgacat	300
ttgtaacaga	agacagtctg	acttgctttc	agtattcaca	agttctttcc	agtttccaag	360
tcttttccta	gcagtaattt	aggggagaca	gaggagtttc	atgtaaagag	catgcagttt	420
ggagtcagaa	cctgggtatg	actctgtggc	cttgatgaag	caagttactt	aaactcttga	480
gttttagctt	tctcctttac	aatgcatgaa	tgccatcccc	cctacaaaac	aaagattaaa	540
tgtgatgatg	tatgccaaag	ggctttgnat	attgtaaaag	tgctatataa	ttattaagat	600
ggtctaaatt	ttcaagggat	ctaaaaccan	gggattggca	aaccgttttt	ncaggggagt	660
aaatattttt	aacgcttttg	catatattaa	attaatggaa	ggtggttgaa	aagggattng	720
antngacca	ctttgaaagt	acctcangga	taggggc			757

<210> 2566

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 2566

gnnnaggtn	tagancagct	cttgctcctt	gngcaggatc	cctcgattcg	aattcggcac	60
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atgctatcca	agcatgttg	ggtggaagg	aattggtgcc	cagaaaatgg	gactggagt	180
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gttctttatt	gtgaatgttg	taacatttta	aaaatgtttt	gccatagctt	tttaggactt	300
ggtgttaaag	gagccagtgg	tctctctggg	tgggtactat	aatgagttat	tgtgaccac	360
agctgtgtgg	gaccacatca	cttggttaata	acacaacctt	taaagtaacc	catcttccag	420
gggggttcc	tcatgttgcc	actcctttt	aaggacaaac	tcaggcaagg	agcatgtttt	480
tttgntattt	acaaaatcta	gcagactgtg	ggtatccata	ttttaattgt	cgggtgacac	540
atgttcttgg	taactaaact	caaatatgtc	ttttctcata	tatgttgctg	atggttttaa	600
taaagtgtcaa	agttctcctg	ttaaaaaaa	aaaaaaaaa	actcgancct	ntanactata	660
gtgagtcct	attacgtaga	tccagacatg	atnagatcat	tgatgaattt	ggaccaaccc	720
aactagaatg	cagtgaaaaa	aatgcttttn	t			751

<210> 2567

<211> 756

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

<400> 2567

gngnngnnnn	nnnnnnngnn	agnnnnnnnn	nngnnngnnn	nnnagnnnnn	nnnnnnnnnn	60
nttttnanna	tacagctctt	gttctttttg	caggatccca	tcgattcgaa	ttcggcacga	120
gggtagaaga	agaaatgatt	acgaaaatcc	tggataagcc	agctcccttt	caaggggatc	180
agtgtctca	gtccccacc	cccacctaaa	aagcaggtcc	cattcagccc	agccagctca	240
tccctgcagt	tccatccagg	acctacaggt	gtcgccctcc	gcatggcgag	gcccgggaag	300
gcagctggct	gcaggaggca	gaggagtctg	gaccgctaac	ctgagcatgt	ggaaataata	360
tatgtcttca	agtgaactgt	ctggtcctgg	agaaataaaa	taggacattc	ataagcagtt	420
caccatctgt	ctttatacca	tcatcatcaa	cagcaagang	aaaaatagct	ctttaaaatg	480
gatgaaagcc	caagctgcag	taaccggaaa	actgtgagct	ctgaatacca	ataaaggtag	540
agaaatgatt	aaaaaacaga	gatgcaaac	gaaaatttgt	ctggacagct	cangcccacg	600
atgctttgca	ggcanggtgt	gtttattggg	tccgaaagca	taaagcaagc	tgnttaccac	660
gagccagcct	ggggaaggct	tggtctccgg	ncctggaaca	cgtnggaacc	agggcaaaat	720
ancttccgct	ttgaacaaaa	tctggtccca	ccttac			756

<210> 2568
<211> 740
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

<400> 2568

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cgatttcgcca	gggtctctcca	ctgtcaagtt	actattatct	cctttataat	ttgcagttta	120
agatgaaatg	cactagtttt	agtgtctcat	ctgtaaaact	acttttttat	gtgaatttat	180
tttttaaaaa	atgtctgtca	ctaaaagaga	aatcatcatc	gcttggcatg	gataaaaaca	240
ctaactgcca	aagtcattaa	cttttggcca	aataccaaag	ccagctaaag	tcacagggcc	300
ttggcctgta	ttctttgtta	aaaagagatt	aacaactgtc	gggtgataaa	cataagatat	360
accagcacca	aactgaactt	tctcctctaa	ataatcataa	ggattgacca	aaaactgaaa	420
agcaaattgc	ttgtcacta	tatgtgattc	cttggtactt	agggtcacct	ccgtataccc	480
tctaaaattg	ttacttacat	gctttgcagt	tggacatatt	ttggtttaaa	tcccagctcc	540
accaacacct	cagacttcat	ctcctaagcc	tcggtttcct	tctctgtaaa	acagggataa	600
tagtagcacc	tgctaagggt	cttgtgcaaa	ttagattggg	atagtgaatg	atgtatagtt	660
gggtgcttgc	taatgaatga	cgtggtcagt	gtcaatggcg	tgtcagaccc	tgaaggggct	720
ctagcccagg	aagccttccc					740

<210> 2569
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(738)

<223> n = A,T,C or G

<400> 2569

gnnnnnnnnnn	nnnnnnnnnn	ntgncgttct	aatgctnget	actcgttctt	tttgcaggat	60
cccatcgatt	cgaattcggc	acgagattac	aggtgtggcg	tgagccaccg	tgcccggcca	120
agctcctggc	cttcttattc	acttgacagt	tttgagaatc	tttgatttca	gggatgttga	180
gagctgctcc	tgtcatctgg	agttgagtct	cacccatggg	ctacagtgtg	cacaggagtg	240
ggaccttctg	ttcttgaact	taggctgtgg	tgtgatcacc	cttttctctg	catccacctg	300
acaggctggg	acttgggcta	tgctctggac	aaggctggct	gggtgcaatga	tgccctctag	360
aggatggatc	aggcccagtc	accacctcag	attcagtgcc	tgctgctctt	cctctttcca	420
cttggccctg	gtgacagaca	gatagaggcc	cagctgacgt	gtctatcgga	acgactttat	480
ttcagtacac	tgggcccac	caggcaatgt	ggtttgtgcg	agctgtgcga	gggacangct	540
tgggctaaga	gaaggagggt	gaagtggnt	aaacgcactg	cantccgcgg	gcgctacgtt	600
gctttcacac	atacttgctt	cttgtggccc	acacctggca	ngggcctttg	gcataggacg	660
gcntggggga	naatcttggt	tgaagtctgg	gattgggggt	gggtcttggg	gtncagggtga	720
nggtgccggt	gaaaaaac					738

<210> 2570

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 2570

ngaaancagc	tttgtnctt	tgaggatcc	ctcgattcga	attcggcacg	agcccagagg	60
ccaccaatgg	caatagtagc	cgaagcgtac	ctgtagttca	gcttttgaca	tgtgtgtaaa	120
acatgtccat	taacatgtgc	ttaatctggt	ctgtgaaagt	attttcagaa	atgataaaaa	180
gtaatgatgg	ttacatctga	atataagtta	gatcatgaca	ctcactcctt	ttttcagaaa	240
ctaccagtgg	catcacatct	tactcagagt	aaaaaccaca	gtgggcttac	tgtgggctgc	300
aaggcctcgt	aggatttgcc	ccccatgact	ttctgacttc	atctcttgte	acacatctcc	360
ttcttgcctc	caggcgaagc	acagtggctt	tttctctgat	tcttcaacat	gacaggtaca	420
ctggcctcag	agcctttgca	ctggcttttc	caggcactgg	cttttcaact	tgccctggaaa	480
gctctttcgc	cagatatttg	catggtatgc	tcctctacat	tctcctgggt	tttactcaaa	540
agtcagtctc	tcagtggagg	cttgtatcac	caccctaact	aaaattatac	ccatttattc	600
cttgncttac	atcttctcgc	ttatttggtc	ttagcattca	ccattttctt	atgtgcaacg	660
tgtttgtgat	ggttatatca	tttatttctg	nctttccaat	tgggaatgta	agcatcagga	720
atcagatttt	gcc					733

<210> 2571

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 2571

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ccatctcaaa	gaagaagaaa	gaaaatgaaa	aatggntgag	aaaagttaag	taacgtntctg	120
aggctggagg	ggccccgctc	ctcctcacct	tggggagaag	gacagcgtga	ggctagcctg	180

ccctacactg	ggtggccct	ccccctggcc	tgaagttgca	gcacctgcag	gctaaaccag	240
cacatgcatg	agggctgctg	ggccggggct	tngggagcag	ccgatgcttc	taaaaccctg	300
ctctgggtgg	actctagggg	tgcagttttg	gtctgtgtct	ggggctggca	gacaagccca	360
cgtgcccacc	tctgcagaat	gagaagtaag	ggtgggcacc	agggcctgcc	cctcacgttc	420
tgtcttttct	ctaagaactg	cagaaccttg	gcaagccctt	tgccctctcg	tggggtgccc	480
gtgtgccccct	catgaggata	agcccttcgc	ccctgcgtgg	ggtgcctgtg	tgccccctcat	540
gaggataagc	nctttgnccc	tgctgggggt	gcccgtgtgc	ccctcatgag	gataagccct	600
tcgccttgct	tggaatgcct	gtgtccccct	catgangata	anccctttgg	ctttgggtgg	660
antgcctgtg	tgccccctatg	angataaacc	cttttgccct	ctgcntggaa	tgnctgtgtg	720
ccccctnngt	taagccccaa	tgnaa				745

<210> 2572

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 2572

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ccctatctag	ttttgttaag	gaattcaaca	catgccagtt	aagctgtcag	aaatgaaata	120
atctacctcg	aggctgtatt	ttaacagatt	attatatcga	aagaaaaaaa	tgaatgttta	180
taaaataaca	tttctttttt	tttttttttg	agacagggtc	tcacttggct	cactgcagtc	240
ttgacctcca	ggctcaagtg	atcctcccac	ctcagccttc	cgagtagctg	ggactacaag	300
tgtgccacca	tgccatagcta	atgtttgtaa	tttttttttt	ttttttttgt	aaagatgtgg	360
ggttttgcca	cgttgcccag	gctggctctca	aactcctggg	ctcaagctat	ctgcctgcct	420
tggctctcca	aaatacttct	gtaaatgtaa	gaaaagggga	ataatgaagt	aatagagacc	480
tctgatgatt	ctcattactt	gnctttgnaa	taagatctta	aaaaagaatg	tgtggcaaac	540
aaaggaaaat	accagttcta	ctaaataaat	gtctgtcttc	cctgaactct	nccatctttt	600
aaacatgaat	ctggattttc	tgnaanggtc	tcttncccta	tccaccctac	taaaaaaaa	660
aaaaaaactc	gagcctntaa	actatgggga	gtcgnnttac	tgatcngaca	tgataagatc	720
nttgatgagc	tgc					733

<210> 2573

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(719)

<223> n = A,T,C or G

<400> 2573

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agggttgggtg	aaaattcaga	cagaatgtaa	cttgacaaaag	agaagacagc	aacaactgta	120
acaattatct	tatgaatatt	tgcgaaactca	aagggatctg	attggtgacc	tctgggcttt	180
atcaaattaa	catcacaact	tctagaagaa	agtcaacctt	catcttttac	aatagaaatc	240
atatgttttg	ctaaccctatt	cctatttagg	ctgaaaacaa	ttaagagtta	tgggtactta	300
aaaaaatcat	tatgtttata	aaattagtga	tagaaggagc	atagtgttca	tacagtccca	360
cacatacact	tccttatttc	ttttatttaa	actttgagta	acatagcagt	ctatgttttg	420
gtcagttttc	ccttttttgt	aattacattc	agtggttttt	gtaacttcat	tattttattg	480
gaattaagtg	atttagtcag	tgggagtttt	gtaaaactta	agattttggg	catttttccc	540

cctcctcctg	gataaccagt	taacccaata	atggcttggc	ccgatggaag	ggtaaaatga	600
ggacagttat	atTTTTTaaa	tgtcattact	gncaccaa	cacacatatc	atTTTctaa	660
ataaggaaa	tccaccattt	tttcaagttg	caaaaaagta	ctctggcttg	caggttata	719

<210> 2574

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(743)

<223> n = A,T,C or G

<400> 2574

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ctggcntgaa	gaagatcaag	ttagacactc	cagaggaaaa	ttgcacgggtg	gaggggaagaa	120
agaaggaaaa	actatccaac	tctggccaat	attgaaagga	agaagaagtt	aaaacttgaa	180
aaggagaaga	gaggagcagt	attgacaaca	acacaatatg	gcaagatgaa	ggggatgtcc	240
agacattcac	aaatggcaaa	gatcagaagt	cctggcaaga	atcacaaatg	gaaaaacgac	300
aattctagac	agagagcagt	cactggatca	ggcagtcact	tgtgtgattt	gaagctagaa	360
ggtcaccggg	aggcaaatgc	agatectctt	gggtgttttg	taaacagtga	ttctgagtct	420
gataaggagg	agaaaccaca	acattctgtg	ataccaagg	aagtgcacc	agccctatgc	480
tcactaatga	gtagctatgg	cagtctttca	gggtcagaga	gtgagccaga	agaaactccc	540
atcaagactg	aagcagacgt	tttggcagaa	aaccagggtc	ttgatagcag	tgctcctaag	600
agtccaagtc	aagatgttaa	agcaactgtt	agaaattttt	cagaagccaa	gagtgagaac	660
ccgaaagaaa	agctttgaaa	aaacaaaccc	ttaagaggaa	aaaagattat	cccactatca	720
aacgttatcc	gaccagnaca	cac				743

<210> 2575

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(731)

<223> n = A,T,C or G

<400> 2575

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cccatttcct	gtgtaaacca	tttaatttaa	atgactctgc	ttgtctcact	gttatgataa	180
atttgtgtgg	tagatcgag	cctgttagct	attactggaa	gttttctgct	tttattacag	240
gcctctcaaa	taggtagggt	ttaacatttt	attggacccc	ctgccccttc	ccaatttcaa	300
ctattaaatc	cttaaatgtg	ttgttttggg	tatgcagaag	ttagttatca	ggttatatgg	360
ttcccaatga	gtgaggaaat	tgggaagggt	ttgtgttttt	tttgtcttgt	taactagaaa	420
tgggttttgt	agtttagctt	aaggggccca	acagcttgtt	tgagaagaca	gctatggaac	480
ttgagctgtt	tacatgtttt	ttaatactgc	gagtgattta	ggaaaattgt	acaagtcctt	540
ctcttggctc	ttaggactta	agtgagttta	aagagatgac	aacatgtgtt	ttccccaggt	600
aagctttcct	tgaggatttg	nctttctttt	aaaaaaagtt	gcttgggcac	ggtggctnac	660
acctataatc	ccccactttt	gggaactgan	gtgggaggat	acttgancct	anggagtcn	720
aaccagcctg	g					731

<210> 2576

<211> 745

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (745)
<223> n = A,T,C or G

<400> 2576
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 gcgagtgcc gccacaaaga cgggtcatct gcagtcacgg gcgcggtaca ccagcgagat 180
 gcggagttag ctactaggca cggactctgc aggtgagtca ccatgaacac aacaggactt 240
 gagggccagc tgactaggac aagacatgta tccttgctgc cccggggcct ccatgccgag 300
 actccatgcc ctgactccaa caggagcatc accaaactac acctggagga agagccagga 360
 cagaggaaat ggccccgaga ggaaacaaag ctaggcacag tggctcacac ctgtaatttc 420
 ggaggctgag gcagggtgat cacctgaggt caggagtttg agaccaacct ggccaacatg 480
 acaaaacct gtctctacta aaaatacaaa acttagccgg atgcagtgcc acgtgtctgt 540
 agtcccagct actcgggagg ctgaggcagg agaattgctt gaaccagga ggtggangtt 600
 gcaatgagct gagatcacac cactgcactt caaccgggg cgacagagca agactccgtc 660
 tcaaaaaaaa aaaagcnaaa aaaattacca ggcgttggtg accacacctg tagtccagca 720
 tacttggan gctgangcag gaaga 745

<210> 2577
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (731)
<223> n = A,T,C or G

<400> 2577
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 cgggcaatgc tggagaccct tcgcgagcgg ctgctgagcg tgcagcagga tttcacctcc 180
 gggctgaaga ctttaagtga caagtcaaga gaagcaaaag tgaaaagcaa acccaggact 240
 gttccatttt tgccaaagta ctctgctgga ttagaattac ttagcaggta tgaggataca 300
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 gangtggtca tgctttctgc gcaactgggag aagaaaaaga caagcctcgt ggagctgcaa 420
 gagcagcttc agcagctncc agctttaatc gcagacttag aatccatgac agcaaatctg 480
 actcatttag aggcgagttt tgaggaggta gagaacaacc tgctgcatct ggaagactta 540
 tgtgggcagt gtgaattaga aagatgcaaa catatgcagt cccagcaact ggagaattca 600
 agaaaaataa gangaaggac ttgaaacctt caaagctgaa ctatagtcag agcacgcca 660
 gaagtectgg aatggacaca cccacaaatg aactgaagga ccgcagaagt tttttgagga 720
 accttccacn g 731

<210> 2578
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (801)

<223> n = A,T,C or G

<400> 2578

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attcgaattc ggcacgagga ggaaagcggg gcgtgaggcg ggcggccagg gcacgacttt      120
gaagattatc caatgagaat tttatatgac cttcattcag aagttcagac tctaaaggat      180
gatgttaata ttcttcttga taaagcaaga ttggaaaatc aagaagcatt gatttcataa      240
aggcaacaaa agtactaatg gaaaaaaatt caatggatat tatgaaaata agagagtatt      300
tccagaagta tggatatagt ccacgtgtca agaaaaattc agtacacgag caagaagcca      360
ttaactctga cccagagttg tctaattgtg aaaattttca gaagactgat gtgaaagatg      420
atctgtctga tcctcctgtt gcaagcagtt gtatttctga gaagtctcca cgtagtccac      480
aactttcaga ttttggaact gagccgggtc tegtatccca agttctacca aacccttcac      540
angcagtga caacttttaa gggaagagcc cgtaattgta accccacctt accaaaccaa      600
tcacttagtn aaaagttcct aaaaaacttc caaaaatggg gccacttaaa aaatgggatt      660
gnatttttgg aaatgggtgt aaacttncct aaaanttagg aaccaccttt tngggnatte      720
ttctgnaaat tattncctaa tgggggnttt naaaatggaa agaantttcc cccaattgg      780
gggacctttt aaaaaaatgc c

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<210> 2579

<211> 841

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(841)

<223> n = A,T,C or G

<400> 2579

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cccatcgatt cgcgcggggc tgcccagcct ggctctgtct acactggccg agtctctggg      120
tctgtctaca ctggccgagt ctcgactgt ctgtgcttct acttacactc ctcttgccac      180
ccnccatncc tgcttactta gacctacccc ggctccggac ccggtacggg cagtctgngg      240
cancangaat gaanggcgcn ccgnnccctn cttcatagga ggctctgggt gggggcctgc      300
tccccatacc cacaagctca gccagccttc tcatgtctgc tctnganttc agctttacca      360
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gggctnggcc cctgggtntt gaganactcg ctggcaccac agtgggcccc tggaccccg      480
ccgnncanct ggtngactgn aggggcttnt gactgngcac agngctncc caacttttgt      540
tcnacnngca ataaagaatg ggcntgacce tggtnattat atacttgggn ncntaanggn      600
ggctaaaggc cccccatta aaatgcgcct aaactttnaa nggntttgna nggnaantaa      660
antgcctgna taatttaatn ttaaaacntt ggnncannng aanttnacct cntnancgaa      720
taaaacctgg gcaacnnaaa nttanttga cccnnnataa tttttgntaa aacccccctt      780
ataaaacttn gggatntctt tttgggtaaa nnnnactgg ccctnnggan tcttaaaacc      840
g

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<210> 2580

<211> 1191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1191)

<223> n = A,T,C or G

<400> 2580

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agggtggttnn gangncattc naatnganag ctacttggtc tttttgcagg atcccatcga      60
ttcgaattcg gcacgaggac ccaccctctc caggcctcag tcttatctct gaaatgggggt    120
gggtggttag aggtgggttc taagatcttt ctacttccca aacttggaat tctcttttta    180
ggagcatctg cgtgcccaga tgtatgttgg agcccatggt gtatgggggt ggggtggggg    240
gaagggnntnn gtncncaaat ncaactgtggc cttnnntcgn ngtganatan nnnttnannt    300
ntnnacntca tcntnntnnn gtttgncntnn tnnnanacnn tctnnnnnt nnnttattat    360
ggannnttct ncanntntat nntanatnna cntnnmttca tnnnnattnn tnggnnattn    420
tccnnnngnt nnnanatnnn tnaantncnt angmntnctn tntntntat nnntgnantt    480
nananatnnn nnntntann atnnntatnn nnnttnnnnt nnatntntng gnnntnnnnn    540
annncnnttn gnnnnnnnt nnntntntnn nntnnnnnnn ntncnnnnn ntnnnnnnnn    600
nntnctggn tntntntaan nntntgtna nnnttnnnna nnntngntn nnnnctnnn    660
nccnntnnng nttnanattn ntntannnnn angtcnnttt nnnnnanac tntntnnnaa    720
ntgnntnnnn cnaannaatt nnnntntcn aananngnng cnntattntn ctannntatn    780
ngnngntntt ttannnnnnn nnnnnntat tntattngt ntntttnt ntatnnnnnn    840
ngntntatnt ttncnctnn ntgntctnat ncttnnngna ntnnnnnant tntatctna    900
tntgtcnntn atntntatn acacttntna tattnnngcn nntntaann nnatatnnnn    960
taatgtcnctn nntnnntcnc atntttctta nnnttnnnnn ntntnttttn ncntntatcn   1020
tntgtcntn ttctntann nttnanntnn nttaaannat ntctntnnn ntntntnnn   1080
antcnnntn tntntnnntat nnnntnnna ntnnntntt nncacttnt anantnactt   1140
ntnnannata nntnnnnact annatnntn gcncnnantn tatatccnc c             1191

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<210> 2581

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (767)

<223> n = A,T,C or G

<400> 2581

```

gggnttanta ncagctctng tnggtggggc aggatcccat tgnnaatntc agctacttgt      60
tctttttgca ggatcccatc gattcgaatt cggcagcagt gagacagagc agccccagaa    120
cacacaccyg ggaatgacag agcctagggc acgtacccaa caatgcaggc agagaaaaaa    180
gaaagtgtat tccatgtaag caaatgttat ttggaccttt ctctctgtct gacctaatca    240
tggtcacag aaagtaatac tactcctaata aatacatcaa cttatctgat ttatccacac    300
aatcacgtag attaagtgtat gcttctattt cctggtcgct ttagcataat attgatcata    360
aattgataaa taggaataaa acaatataat tagattaatt tacaatacgg tatagttgac    420
taataacatt ttcacgattt acatactaag aataaataca tttttaatca aatgtctccc    480
ctagggtgtg cattccaggc cttagaataa aattaaagg gaaatcaatg aagacacatc    540
cactggtcac actctcatct tcaatgtttg accagtggtc gaactgtttg gagttgcaga    600
atggatattt ctcttttata gttttagggt gcttggaagt tgctctttta atgctcatgg    660
ttactcttat tctgggnggc ctttaactca ttaaagacag ttttccattg agaaaaaaaa    720
nnnnnnnnnn nnnnnnnnna aaaaaaaaaa gncctttaga actnttn                767

```

<210> 2582

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 2582

tggnngnttt	taaaanncag	gcncnnggn	nngannnttg	ntataganag	ctacttgtn	60
ctttntgcag	gatcccatcg	attogaattc	ggcacgaggg	gattacaggc	gtgagccacc	120
gcgccagcc	tcatatcccc	catttcaaac	acgctgtaaa	caatgctcaa	ttactttcct	180
cttaagtga	aaccaccaat	tactggggaa	aggggcagtt	agattttatt	ggttgacttt	240
gtgtttttac	taatccttgt	tgaaaagtag	aggaattggt	ttagttgaga	aaacaaaata	300
ctaaaaaatc	tgccactaga	ctttttaagt	caagagtttg	tataaatga	aacatatcta	360
ctatctaata	tataaaattt	agaatctttt	taattctaaa	gttaacttaa	gtgtgatttt	420
tagtgctgtt	gctgaggcca	gtgttgctta	aagcaggaac	ttctacagta	attgacaaaa	480
cttgagtttt	tctgctctca	tttatccatc	cttcagaccc	ctcagatgtc	atctatttcc	540
tgaaatctga	cttctccagt	tttagtaatt	cttacaattt	ttcaggattt	agatagtact	600
gtcagtttac	tgctatgtat	atgtctttaa	tacttggtgn	tttcagatat	tacactaatg	660
nctcatctgt	agtataaatc	agactttctg	ncttctacca	gttacataat	ttatataatg	720
gtgcagtaca	tgtttggtga	ttactaggct	gga			753

<210> 2583

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(803)

<223> n = A,T,C or G

<400> 2583

gggnnttaanc	cntnnnnntn	nnaggggggn	nnnnnnnttn	tangantcag	ctcttggtct	60
ttttgcagga	cccacgatt	cgaattcggc	acgagnaatg	cctctatgta	ggtgaagtgt	120
tctctctgca	aaaattaata	taatatcttc	cccacaaaag	aaacacttaa		180
cagaggaag	tgcaatttat	aaatttatat	ctaaagggga	atcatgatta	taagtccttc	240
agcccttggc	tctaaattga	ggggattaaa	aagaatttaa	aataattttg	aacgaattta	300
ttttcccttc	agtttttgag	ggcattaaaa	aggcattaaa	tcaagacaaa	tcatgtgctt	360
gagaaaaata	aaattaatga	aacacagcac	ttatgttggt	taactgcagc	ctccttggag	420
gtagaattat	ttatttataa	ttactggtgc	atcaagaacc	catagggtgt	ccaaaagggtc	480
tataaactcg	catttttgag	ncaaagaggg	caggcaaatc	catgtcacaa	gggtaaagct	540
tccaagttnc	caaattgggg	aacgccaggg	gtgtagggat	ttaaaaaacc	ccactnttgg	600
agaaacccaa	aatgtaatca	gggggggctt	gaaaaacctt	gcatggggct	ttttaaaaca	660
nttagccctt	tgngttaaca	aaaatttctt	ggngatttgg	cacgatcccc	taannngngc	720
ccattnggcc	cnaacaccaa	tttttggccc	cttatgggcn	ctttnaaaaa	ttttaatttn	780
aaaaataccc	ctttttnccg	ggn				803

<210> 2584

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2584

tggttttnga	tcaanngtc	ttgttctttt	tgcaggatcc	catcgnttcg	aattcggcac	60
gaggcaacac	aaactgaatt	tccttattgc	tgatagctgc	ctgtagaggg	gtggtcaaag	120
agactctacc	tggaataatc	ttacagaaaa	acattattga	ataccctctt	agtttcagag	180
tttccagtct	catttctcct	taaatctatt	caccaaaca	ccaccagttt	cccctaccac	240

aaacacacac	ataagtacac	actcacctat	tttcaccttc	tcttccactt	ccacctttgt	300
gttgaacctg	attaaactct	gatactttta	actccaaaat	atgctatgct	cttattaaca	360
actggatctt	agtagtttgc	aaatgtttat	ttctcgttta	tatgcagttc	attgtgagca	420
ggtggatggt	ctgctccata	cccactgcag	tccgagatct	agacagaaaa	gtagcttttc	480
tctagaatat	tgnggggttc	ataccagaca	ggaaaaatga	aattacacag	tggcttatat	540
aatttttgc	tgtactttca	cccacatttc	attgcaaaag	caagtcacat	agccaaggtt	600
attgggttta	ngaggggtct	ctgaaaatgg	ccagtagggg	agacaaaagg	gatatttgtg	660
aacaatattg	caatctatcc	tatatgtcat	tctttaagg	ttaacacagn		710

<210> 2585

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

<400> 2585

agttangtcg	natecngttc	tttttgcgga	tccctcgatt	cgaattcggc	acgaggaaga	60
agctgcagaa	gaaatgaaga	aagtgatgat	gatttagatt	ttgatattga	tttagaagac	120
acaggaggag	accatcaa	gaattaatat	cactgtatta	aaagtctgcc	gggcacagt	180
gctcacgcct	gtaatcccaa	cactttggga	ggccaaggag	ggtggatcac	ctgaggtcag	240
gagttcgaga	ccagcctggc	caacatggcg	gaaccccatc	tccactaaaa	gtacaaaaaa	300
ttagctgggc	gtggtggctc	atgcctgtaa	tcccagctac	tcaggaggct	gaggcaggag	360
gattgcttga	accctggagg	cgagattga	agtgagctga	gttcgtgcca	ttacactcca	420
gcctgggtga	cagagtga	ctctgtctca	aaaaaaataa	aataaaaagt	caatttagaa	480
tgtgaaattc	tgaccacctt	ttggctttga	gtattttcca	aaagatattt	gaaatcctaa	540
tgaggaaatc	agaaaaagct	atggaaaaat	agacaaattt	cataccttga	acaatataaa	600
ttngtata	taccttaaca	tcaaaactaa	accaaggatt	caagaattga	tggttggatt	660
aaagaacct	gcntcatgtt	aaaaattaaa	attaaccttt	aattaccntt	gncctcaaaa	720
aaaaaaann	nnnnnnnnna	aaaaccttng	aagccaangg	gccctttttg	gaggcccttt	780
t						781

<210> 2586

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 2586

nnnngttana	ncagctcctt	gttctttntg	caggatccca	tcgattecgt	cgagtttttg	60
atttggagag	aaatatttta	atttttaaat	gcagttacaa	attataatgt	attcatattt	120
gtactttctg	ttaaaatgca	tgattgcaga	attgtttaga	ttttgtgttt	attcttgatg	180
aaaagctttg	tttgttcttg	tttttaagtt	tgcactcaaa	tcttaagaaa	taaaccacc	240
catgttatca	aaaaaaaaaa	aaaaaaaaact	cgagcctcta	gaactatagt	gagtcgtatt	300
acgtagatcc	agacatgata	agatacattg	atgagtttgg	acaaaccaca	actagaatgc	360
agtgaaaaaa	atgctttatt	tgtgaaattt	gtgatgctat	tgctttattt	gtaaccatta	420
taagctgcaa	taaacaagtt	aacaacaaca	attgcattca	ttttatgttt	cagggttcagg	480
gggaggtgtg	ggaggttttt	taattcgcgg	ccgcggcgcc	aatgcattgg	gcccgggtccc	540
agcttttgtt	cccttttagt	agggttaatt	gcgcgcttgg	cgtaatcatg	gtcatagctg	600

tttcctgtgt	gaaattgtta	tcccgtcac	aattccacac	aacatacgag	ccgggagcat	660
taaagtgtaa	aagccctggg	ggtgccctaa	tgagtgaacc	taacttcaca	ttnaattgcg	720
ttgccgtca	ctggcccgt	tttccantcc	ggnaaacct			760

<210> 2587

<211> 736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (736)

<223> n = A,T,C or G

<400> 2587

ngtaaatacag	ctacttggtc	tttttgcagg	atcccatcga	ttcgaattcg	gcacgaggcg	60
tgtgtgtgca	caaagccccct	aaggtttcat	gtgtacacac	cgggtgctaag	tgttttttac	120
acccttgtgc	atctctcggc	ctggggctcc	tgtgcagggt	gccctgagag	ttgggttttt	180
agttcaaaaa	gaaggaacac	agatgactac	tctgctggcg	acacggccac	tctgctggca	240
cgcacatagc	atggcgccctc	cttttttggg	ggactctcct	tgggtggcatc	tctggcaggc	300
tgtgtcctct	ccagctgcag	ttctggaccc	tgtctggggt	ggggaggggc	atttggctct	360
caggctgagc	ccacctggat	tccccaggcc	cttggtgagc	gccactctgg	ctgcaactcc	420
ccttgccctgg	cccgctcctga	ggccccctctc	tcgtctcag	tgggtggttct	ggcgggctg	480
ttcgtgatgg	tggtgatcct	cttcctggga	gcctccatgg	tctacctgat	ccgggtggca	540
cggaggaacc	aggagcgtgc	cctgcgcacc	gtctggagct	ccggagatga	caaggagcag	600
ctggtgaaga	acacatatgt	cctgtgaccg	ccctgtcgca	agangactgg	ggaagggang	660
ggagactatg	tgtgaacttt	ttttaaatag	aaggattgac	tcggatttga	ntgacattaa	720
ggctgagctc	gttctt					736

<210> 2588

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (711)

<223> n = A,T,C or G

<400> 2588

gtttttnnnn	ttnnnantct	ctngttcttt	ttgcaggatc	cctcgattcg	aattcggcac	60
gagcacaggc	tttggttcag	aatataggtc	agccaacca	gggtctcct	cagcctgtag	120
gtcagcaggc	taacaatagc	ccaccagtgg	ctcaggcatc	agtagggcaa	cagacacagc	180
cattgcctcc	acctccacca	cagcctgccc	agctttcagt	ccagcaacag	gcagctcagc	240
caaccgctg	ggtagcacct	cgggaaccgtg	gcagtggggt	cggtcataat	gggtgggatg	300
gtaatggagt	aggacagtct	caggctgggt	ctggatctac	tccttcagaa	ccccaccag	360
tgttgagaa	gcttcgggtc	attaataact	ataaccccaa	agattttgac	tggaatctga	420
aacatggccg	ggttttcac	attaagagct	actctgagga	cgatattcac	cgttccatta	480
agtataatat	ttggtgcaag	cacagagcat	ggtaacaaga	gactggatgc	tgcttatcgt	540
ccatgaacgg	gaaaggcccc	gtttacttac	ttttcagtg	caacggcatg	gacacttctg	600
tggcgtggca	gaaatgaaat	ctgctgnnga	ctcacacatg	tgcagggtgtg	ttggtgccag	660
gacaaatgga	agggccggtt	tgatgtcagg	tggattttgn	gaangacggt	c	711

<210> 2589

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (774)

<223> n = A,T,C or G

<400> 2589

tgggtnttat	gnatncagct	cttggtcttt	ttgcaggatc	ccatcgattn	gctgaaattg	60
aagatgttgg	ttctgatgag	gaagaagaaa	agaaggatgg	tgacaagaaa	aagaagaann	120
ngaagcaata	tataaagaac	gttggccaga	ttatgtaagg	gaactgcgaa	gaaggatttc	180
tgcaagtact	gtagatgtta	tagaaatgat	ggaggatgat	aaagttgatc	tgaatttgat	240
tggtgccctc	atccgataca	ttgttttgga	agaagaggat	ggtgcgatac	tggtctttct	300
gccaggctgg	gacaatatca	gcactttaca	tgatctcttg	atgtcacaag	taatgtttaa	360
atcagatnaa	tttttaatta	tacctttaca	ttcactgatg	cctacagtta	accagacaca	420
ngtgtttaaa	agaacccctn	ctggtgttcg	ganaatagta	attgctacca	acattgccgg	480
agactagcat	taccatagat	gatgtcnctt	atgtgataga	tggcngaaan	ntngaanaga	540
cncattnnga	tactcagaac	caatatcctt	tacaatgtcc	ctcttnagtg	gggntagnna	600
aaagcnttaa	tgcccnnaac	catantaana	agggtcnctc	ctnggnaaaa	annttcaacc	660
cttggncca	attcgcntat	ncaatctnng	cttaacnngg	nncntttang	acnccaannn	720
nnnttncctt	angntngnnc	ctnttcnaac	ctggnccenn	aannnttttt	cncg	774

<210> 2590

<211> 852

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (852)

<223> n = A,T,C or G

<400> 2590

ggnnanagca	gctcttntct	ttntgcagga	tccctcgatt	cggagaggta	atgcttcatt	60
ttgcagagtt	gggaatcaag	ataatctgtt	tttaataata	caagaaacaa	aagcabaact	120
atattattta	tattacaaaa	gcaatcttta	gaaaaactaa	aaggggtata	taagtattga	180
gaggagagga	aaaggaatga	tatggtatca	tgaggtaatt	tttgatcaat	tatagtagga	240
aatagacaat	atctaaaatg	gataaaggga	aatggcaat	attatctttt	tattttatat	300
tattttaatt	ttttaagaca	agtgtctgct	ctgtcgccca	tgtctggagt	caggggtaca	360
atcacagctc	actggagcct	tgacctcctg	ggctcaagt	atcctccac	cacagcctcc	420
cgagtacctg	gtactacagg	catgccacca	caccggcta	atttttgnat	tnnnnnnnan	480
ncnnnnntt	nnnnntnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	cc					852

<210> 2591

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (715)

<223> n = A,T,C or G

<400> 2591

ggnttnaaat	atcangctac	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	60
gagaataaaa	ggttccaatt	tgagtttcat	ctgctcagct	gccagcagca	gtgattcccc	120
aatgactttt	gcttggaata	aagacaatga	actactgcat	gatgctgaaa	tggaaaatta	180
tgcacacctc	cgggcccaag	gtggcgaggt	gatggagtat	accaccatcc	ttcggtgcg	240
cgaggtggaa	tttgccagt	aggggaaata	tcagtgtgtc	atctccaatc	actttggttc	300
atcctactct	gtcaaagcca	agcttacagt	aaatagtatg	tgatctgact	tttcctttag	360
catttaaaga	taccttttag	aaatagaaag	cacctgtttt	tctctcttaa	tcttaaccct	420
gtcttttctt	ctcacagttc	cccacctgac	tcttcctttc	cctacctttc	attccacaaa	480
attaagattc	ttggttattt	gtatctaaac	ctgcaattat	gttgaagacg	acaccgtact	540
cagtgtggtg	agtaacacag	agatgaacca	gacatgtttt	tgtcttttnt	tttttctttt	600
tctttttttt	ttttgagacg	gaatcttgca	cttggtcacc	caaggnttgg	atgacatcct	660
gggttgcant	gagctgaaaa	tggtgccaat	gnacttccaa	cctgggtgac	aaaat	715

<210> 2592

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (762)

<223> n = A,T,C or G

<400> 2592

ntnagggggn	ttgaaggncn	ntttctanat	gctaggctac	tngttctntc	tgcaggatcc	60
catcgattcg	aattcggcac	gaggtcatga	tcaactcagt	ataggttttc	ttaaaaaatt	120
ttttcttaaa	atgttttttg	aacttcaaata	aagtttggtt	ggtgctacag	atttaaateg	180
acttgtttgt	gaggataata	gaattctttt	tgctatgaac	ttatcagtca	gcccagcgtc	240
tgtgagacgg	tgctgtcttg	catggtgcag	tccagagtgt	attttgcaaa	cgtctagcac	300
tgcctttatg	taggacgcgt	gcttcgtttt	attggtctaa	aatttcccat	gtcataacac	360
tttgagcatg	ccttagagea	gtcttagage	ctatttcagag	cactttggag	acattaacac	420
ccagcgtgca	aatgcgtctt	cttgcttagg	cgtcttggtc	cttggtgtca	gcacagtcct	480
ctaggccgcg	ttggtgtggt	tctggaccan	agaaagtgtc	ggtgagaaga	tattcctcan	540
cagtgttggg	agagcangcg	atggaccctg	ggtttgnttc	gatgtggttc	acgtgcggta	600
ctgtttctca	aaagtgggtc	tttgagtagc	ttgatgtacc	tggatttttg	ctaacccttg	660
tncanctttg	ctgttcttta	tgtaaaatat	attcattttc	aaaggaaatg	gttgggcccg	720
acacagtggc	tnacgcctat	tatcccanca	ctttggggag	gc		762

<210> 2593

<211> 702

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (702)

<223> n = A,T,C or G

<400> 2593

agnnntanat	cngctctctt	gttctttttg	caggatccct	cgattngaata	tgggcacgag	60
aagaaaccag	tagctagctg	ctatttatat	ggtgaggggg	tgtgcctggg	taacagaata	120
gctccacacc	acagcttgag	attttgttta	gtttcactgt	gtgagctttc	ataaagtctg	180

ttgccattcc	atctctgtgt	taacacttca	tatttttatg	aaattcagat	aatttgtgag	240
aggctggcat	ggatctaagg	at ttattatt	tttattctag	tccatcagtt	cagtcgcagt	300
ttttatacta	ggacttttag	atgtacataa	atgtgtgact	gtttgtcttg	attaaaagtg	360
cactgtgccc	agcatgggtg	ttcttatatc	aggtgtttta	gggagctcgc	ttgcttattc	420
cattctttta	tccttacagt	gtgccacacg	tataaagttt	ataacgtatt	aatgatctca	480
ttacccaaaa	ccagaacata	at ttccacaag	ggttccctact	tctgtattgn	tttattatct	540
caaaaattta	aataacatgt	tctgctgttt	attggctctg	ntatccactg	nattagcacc	600
ttccctgatg	tgctttggag	gttgatcaat	gaattctgag	actttctgct	ggaattactt	660
taagggtgct	tattagatga	tgaaaaagtt	ggctgagacc	cn		702

<210> 2594

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 2594

nm ttttagatc	agctctcttg	ttctttttgc	aggatccctc	gattcgaatt	cggcacgagg	60
ctttatctct	aaattagaat	cacaaatgcg	taatcttttc	agggtaaaaa	tgtgtcatct	120
ttaaagtctg	tttcagatat	at tttaaat	actattttaa	atgaattcat	atggaaaagt	180
cgtgggagct	taaggccttg	tttaaaagg	aaaaaacaac	tgagtctttt	tagattaatc	240
aaaaactatc	ctcttccttt	ggagaggaga	gagtgtttgt	cacacgcgga	atgaagtgcc	300
atgttctttg	aggcacgatt	tgtatgccat	ttggaggang	gagtcctgtc	aagagaatgg	360
attccctgac	aagctacgtt	tgccagaata	ttccaagaca	tgtttttaga	gctacctatg	420
gcattaacat	cataacgcct	agagaggatg	aagatcccca	ccgacctcca	acatcngang	480
aactgttgac	agcttatgga	tacatgcgag	gattcatgac	agcgcattga	cagccagacc	540
agcctcgatc	tgcgcgctac	atcctgaagg	actatgtcag	tggtaagctg	ctgtactgcc	600
atcctnctnc	tggaagagat	cctgtncctt	tcagcatcaa	caccagcgac	tcctagagan	660
cnaaatgaac	agtgatgaaa	taaaaatgca	gctaggcaga	aataaaaa		708

<210> 2595

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2595

ggttnnntagc	ngctcttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgagg	60
ttagggtcag	atccatgtat	ttgtagcttg	gagggtgagcc	caggggttca	tacacaactt	120
tgctccctac	tgtctgtgat	ccctctgcca	ctttctgggt	ccttgagct	ccctttcatg	180
atcctcctgt	cagaatacca	gggctttaat	ttgccactc	tctgccatgc	actttctcatg	240
actgcatctg	catccagggc	caagcggtag	gaggacagag	ggagcctaaa	taaacaatag	300
gattgttttc	acagtcttga	agctacagct	tctctgggtca	gagaaaagaa	ttcaaagccc	360
tcagagtttt	aggtacctgc	tcaaattcta	cctctgttgc	ctaaggttag	agagaacaaa	420
ataagaaaga	aaaaaaaagc	aggagatttc	ccttattttc	tctgaacttt	tggcattcct	480
ttttctgttc	tttgaccag	aaaatgagtt	gaagttccct	tggtcacacc	tggtgtttac	540
tttcatgttt	caagctgctc	ttaagtctag	accaggtaat	atctgagggg	gaaaaaatgg	600
gacactcact	actggcttgg	tggtagttta	aaccctggct	ctttcccggt	gtgctcatta	660

tcattttacttt tcagagttttc cagaaagctg ctccatgcat tctatctaga

710

<210> 2596

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(775)

<223> n = A,T,C or G

<400> 2596

tgtnctaat gcnaggctct tgttcttttt gcaggatccc atcgattcga attcggcacg	60
aggcttagaa aattaacctt tttctatttag gctggtgcaa aagtaattgc gggttttttg	120
ncnttaaaag taatggcata aaccattact tctattaata aaacctcaa ttntcatttt	180
catagccttt cagaatggga gtaagctttg caatcaacct gctccttcat cttatctgta	240
cacttgataa atctgattca gtggttgga cggaatctgc ttttctgta ttggttacia	300
gcaagcactt tgcctgggtg agtgtagctg cagtatagca tagaattaag actacagttt	360
catagtcagc gcagcttgaa atgntggctc tatcatttac tagctgtgtg atcttgacaca	420
aaatcctnaa cttctctgcg cctgtttcct cacttaaatg gnantnacat tgttatctac	480
ctcatggagt ngntatgaag attaaataac ntgcatagna acntgcanaa gctncnnacn	540
nnnnnatatn ancctnanac canctctnnc ncctnctcn ctctnancct aannaanacc	600
nnnnggtgng gngnaaattt cttctanaaa gaaaaatntc cttgaaancn ttttnaaann	660
nnactaantt tntctantna atctngtnna tnnccanggn naacctaaaa tccanncnnn	720
nnganacntn cccnntntat tntatantnn gncntannag ggcanntanc ctncn	775

<210> 2597

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2597

gnttttanat acagctactt gttctttntg caggatccca tcgattcgcc ccgaccccg	60
gccacctggg ccccggtt ccgcggcac tctcgccacc accgcgtggg tctgacaaga	120
tgtaccaggt cccactacca ctggatcggg atgggaccct ggtacggctc cgcttcacca	180
tggtggccct ggtcacggtc tgcgtgccac ttgctcgctt cctcttctgc atcctctggt	240
ccctgctctt ccacttcaag gagacaacgg ccacacactg tgggggtgcc aattacctgc	300
cctcggtgag ctcagccatc ggccgggagg tgccccagcg ctacgtgtgg cgtttctgca	360
tcggcctgca ctcggcgcc cgttcttgg tggtcttcgc ctactggaac cactacctca	420
gctgcacctn cccgtgttcc tgcctatcgcc cgctctgccc cctcaacttc ggctcaatg	480
tcgtggagaa cctcgcggtg ctagtgtcct cttatgtctc ctctccgag gacttcacca	540
tcacagaaaa tgctttcatt gngttcattg cctcatccct cgggcacatg ctctcacct	600
gcattctctg gcggttgacc aagaagcaca cagtaagtca ngaggatcgc aagtcctaca	660
gctggaaaca gcggnctctt atcatcaact tcatctnctt cttcttngng	710

<210> 2598

<211> 722

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(722)
 <223> n = A,T,C or G

<400> 2598
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 cttctgggtc actggtagcc gcgggagccg ggtggggcct aggcgatgat ccggcattaa 120
 ggagctggga tcatcctccg tctcaggtgg tttggggaaa gtgtaggggc aaccaaagat 180
 catcggttg actagccct ttgccctgaa cctcatgaag aaatgatagg aggcagacat 240
 atgtgcctaa aaagagcgtt gagctcagag aagagcaact cggagttttg ggggtgtgct 300
 ttgatttgtg tacatcaatg gcagaatcat ccagcgaatc agatcacttn cgctgtcgtg 360
 accgattgag tccatgggct gccagatcaa cgcacagggg aactcgaagt ctctctacag 420
 tagaagttac cgagaaggct aacactataa caagtacttt acaggatacc agtcggaacc 480
 tgcgacaagt ggaccagatg cttggacgat accgagaata cagtaatgga caggcgggtg 540
 cgatagaaca tgtgagaaac tacatttgtt tgcattttct cctaccacc ttttttgggg 600
 aatgaantgt tttggggaat ggggcttgtg aactaaaagg aaaaaaacca ttggtgaaag 660
 tgccttttaga attttaaaac tgnatttaat tattttatan gtttnaaagt ttaagggttag 720
 ct 722

<210> 2599
 <211> 792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(792)
 <223> n = A,T,C or G

<400> 2599
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 cacgaggttg atctctcacc agtggttgac agttaatcac tttttcctcc ttgaaatacc 120
 ggggntgag gcttncaaga caccacacac aactggttta cctctctctg nctctctctt 180
 tttgtttcc tttgtgact cttctcagc atttctgctc ggggttnagtc catggcattt 240
 cttnacattn ntggctacct ttctccctta angtaentnt ctagactttn aantccatnn 300
 attcctagtt tnaagatntc cctttancaa ctttaattnc tnnanntttn nanacacagt 360
 ccttgaanat tncnanaagc caaaacacgg antcgtacnt gaacccttnn nnnntctcat 420
 atcacatata cggntgtgca tcanntcatg atatnctttn cncctttnttn nanantnttn 480
 ccnntntctt atnaattcnt ttngnanctn ttcctncnc aatccaaang annnttannt 540
 gcttnnatta aactatatnt anngngntt ttnttcntc tcnngnganan aaanatnttn 600
 naaanccegn tnncttaaat ncaattntnt gncctttct nnnaaatgnc nanngnccnt 660
 taatcatcca actnggtngg ntccaggggn ncanatggct ntaccaatcc ttgcnnnaanc 720
 cntcacgnnc tttttggcnn nnggcnttn tantncggcc nanatctacc ctcgtnnngg 780
 aangccantt nc 792

<210> 2600
 <211> 712
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(712)
 <223> n = A,T,C or G

<400> 2600

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ggcngntnta tgnagctctt gttcttttgc aggatccctc gattcgcaaa gccactttga      60
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agctggtttt gtcaacaaca aaatactgat ggaagacaga aatagtgttt taggagaaac      180
atttaataata aattcaaacc ttgttccaat gagaaaaata cctgataaat atgacttatg      240
tataatgaac gtgaattata tttcagaatt aattgttagt aatagaaact cctttggaag      300
gaagcttgat gagctcagtg cacatgcgaa attgctcctt catatgacat gagcatcctt      360
atgccagaga gaaacatttt gagtgtgata gaaatgagaa agccatctgt tagaatgagg      420
acttattttca gcatcaggat attcaaactc tgaagcaaat ttttgaatac cttgagtgtg      480
ggaaagcttt tcatgaggag gcagccttca gtaccataa gagagtgtgc ttcttgggag      540
aaaccttggtg aatataatga acaacttaag agccttttct gacaatncaa accttcttgg      600
tcatcagagt actcacagaa gggaaaatca ctacgagttt aattgctggt gggangaagt      660
ctgtngtgag aaatcntntaa ttaacaccat ggaggaatca tggggaaaaa ta          712

```

<210> 2601

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (733)

<223> n = A,T,C or G

<400> 2601

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ggngnntttt atagatacan gctacttgtt ctttttgcag gatcccatcg attcgaaaca      60
acggagttct cttttctgaa tctgcaaaaa agggacttca ctttgtccag ttatgctgcc      120
aaagaaatat tcctctgctg ttccttcaaa acattactgg atttatgggt ggtagagagt      180
atgaagctga aggaattgcc aaggatggtg ccaagatggt ggccgctgtg gcctgtgcc      240
aagtgcctaa gataaccctc atcattgggg gctcctatgg agccggaaac tatgggatgt      300
gtggcagagc gtatagccca agatttctct acatttggcc aaatgctcgt atctcagtga      360
tgggaggaga gcaggcagcc aatgtgttgg ccacgataa aaaggacca agagcccggg      420
aaggaaagca gttctccagt gctgatgaag cggctttaa agagcccatc attaagaagt      480
ttgaagagga aggaaaccct tactattcca gcgcaagggt atgggatgat gggatcattg      540
atccagcaga caccagactg gtcttgggtc tcagntttag tgcagncctc aacgcacaaan      600
taganaaaga ctgactttcg gnatcttcag gatgtaactg ggaataaaaag gatgttttct      660
gttgacatg tactggaaaa ttaacacatg tngtagcctt aaaaatttta gacttnttct      720
aacatgangn ttg          733

```

<210> 2602

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (722)

<223> n = A,T,C or G

<400> 2602

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ngnggnnttt tagatcagct cttgttcttt ttgcaggatc ccatcgattc gaattcgtca      60
cgagaactcc tactgttgaa tacatctgca cccaacagaa tattttgttc atgttattga      120
aagggtatga atctccagaa atagctctaa attgtggaat aatgttaaga gaatgcatca      180
gacatgaacc acttgcaaaa atcattttgt ggtcggaaac gttttatgat ttcttcagat      240
atgtcgaaat gtcaacattt gacatagctt cagatgcatt tgccacattc aaggatttac      300
ttacaagaca taaattgctc agtgagaat ttttgaaca gcattatgat agatttttca      360

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gtgaatatga	gaagttactt	cattcagaaa	attatgtgac	aaaaagacag	tactgaagc	420
ttctcggtga	actactacta	gatagacaca	acttcacaat	tatgacaaaa	tacatcagta	480
aacctgagaa	cctcaaatta	atgatgaacc	tgctgcgaga	caaaagtcgc	aacatccagt	540
ttgaggcctt	tcacgttttt	aagggtgtttg	tagccaatcc	taacaagacg	cagcccatcc	600
tagacatcct	cctcaagaac	caggccaaac	tcatagagtt	cctcagcaag	tttcagaacg	660
acaggacgga	ggatgagcag	tttaaccgac	gagaagacct	atttagttaa	acagatcagg	720
gn						722

<210> 2603

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 2603

ggnggggtttc	taatagnnng	ctacttggtc	ttntngcagg	atcccatcga	ttcgaattcg	60
gcacgagaaac	cagagctggg	cccaggccag	gaaacaggca	ccaattcccg	aggaaggtcg	120
cctagcccca	ttgggggtggg	gtcagagatg	tgaggggagg	aagggggaga	gggcacgcca	180
gtgaagcagg	acttatctgc	tccccctggc	tacacctca	ctgagaacgt	ggcccggatc	240
ctcaacaaga	agctgctgga	acatgcctta	aaggaggaga	ggaggcaggc	tgcccacggg	300
cccccgggtc	tccacagtga	cagccactcg	ctggggggaca	cagccgagcc	agggcccatg	360
gaggaactac	cttggtctgc	actagctcca	tccctagagc	cctgcttctt	caggcccgag	420
agaccagcaa	accgctcgcc	cttcgtcccc	ttgggcecca	cattccccca	ctgcttacag	480
gcttagtcac	cccggagacc	cgacgtncct	ggangancat	ggtggcnaag	agcccgcccc	540
aggagcancc	acaccgagat	gcaaaacttg	attggattat	cacaagtnta	aattcacttg	600
gaattttgca	tttaaccccn	ccnnttacct	ttgnaacaaa	aatttttgnc	caacaggggag	660
gaanatctta	ntttttttca	anggncaaaa	naaatgtttt	tttnaaaaac	ccccaaaanct	720
tgnttnaaat	gtnnaaacct	tgggaaaact	tgggaatttt	t		761

<210> 2604

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(799)

<223> n = A,T,C or G

<400> 2604

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gagaacgggtg	tctggtggag	aagagctgag	cttccctggc	cccttctgaa	atgggggtcag	120
gaagggggtc	angaggggna	ttntnctatg	tggtcctgcn	natangtatt	tctttnnctc	180
nctnatctct	ctnagtcatn	nctcagtcaa	ccacatatat	taagacctat	gcacagaaca	240
attctattcc	tataaaattc	tataaaatgc	anactanncc	ataatgacaa	aaanaatatt	300
actgggtttc	tagggatggn	atgtnnngcaa	agagagacga	cagatgnang	nattaccaat	360
gagcacagng	ganacttntg	natgcangga	tatgctcatt	gtccttgact	gctgatgggt	420
tnacnagggtg	ggcccaaaac	tatntcaaac	ttttcacttc	atctatatga	ccanctgtca	480
tatgccaatt	atacctcaat	taatcctgat	taaanncatt	tannngntatc	tctactngta	540
aantttaaaa	ccncttttta	cnttaccncn	cctgtantca	ntcatgtngc	cnttccnnaa	600
aaacttccca	anngtatttc	tancnataaa	nnaggctttc	tnnntaaccn	anttnnacct	660
tccnttngnn	natnctnnnn	naccttattn	cttaattctt	ctgaaanaat	tcaacntant	720

attataccta tttnaaance ttctnccaac ttctttantn nnnccacctt tcttctcttt 780
ataatcccan cnanncneg 799

<210> 2605
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (729)
<223> n = A,T,C or G

<400> 2605
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gccaaggccc cgcccgagcc tagttgttct cccctgaat gtgtagaacc ttcctttgaa 120
atttcttaat cgggtgcattg aggtttccac atctttttcc aagcagtgcc ccacttcattg 180
gatttatagc tatagtctat gcagtcgtta cctctttttt tttttttaag aaaattgaag 240
attggggtgg tggaggcagt agggagatgg gattgggcac ctccccctg ctggggcctg 300
gatttttgta aataaatttc ccaagcgttt ctttccacct ggagggaag ggggggacgc 360
ccccagttag attcaaatac cgcattctta ctctctgctg tgagtgcgtg tgtacatgtg 420
cactccccac cctgctccct tcccagaggg attgctgtga aatttttttg gtggcaaata 480
aagataaatt tcattctgtt caaaaaaaaa anaaaaaaaa actcgagcct ctagaactat 540
agttagtccg tattacgtag atccagacat gataagatca ttgatgaagt ttggacaaac 600
cacaactaga atgcagtga aaaaatgctt tatttgngaa aattggggat gctattgctt 660
taatttgnaa cccttntnag ctggaattaa ccaagttanc accaaccaat tgcnttcatt 720
tttatggtt 729

<210> 2606
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (763)
<223> n = A,T,C or G

<400> 2606
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tcccatcgat tcgaattcgg cagcagggtg aacaaaaatg gcccgattc ttattcagaa 120
accaattcac attttaaaaa tatatactgt aactacccc atcctcttcc taatagctaa 180
agtgatctac cctaaaacac caagcagtc ttcttacagt ttgttccctc ctgacagttc 240
attgattaca atgtgaaagc accaacctga gctaaaatga aatgagaagc ctgatgtttc 300
aggcaccaag tacttttaaa atgtctactg gctgtcctgc agcattttac ttaatcattt 360
tttagaggag ggatgaggac tgggtgggta aaggaaatca tcaaattggag ccttaaataa 420
ctgattacaa aagctttttt taaaatcaca caaatatttc aagaataaat gcattccaga 480
gatacaaatc aggcacaaaag aaacaaaaat caatgaaatt ggcattacac ttgtaaaagg 540
ccaaatggac acaagccctc gagcctctag aactatagt agtcgtatta cgtagatcca 600
gatcgtataa gatacattga tgagtgttga caaacacaa ctagaatgca gtggaaaaaa 660
atgctttatt tgtgaaattg tgatgctatt gctttatttg gaccattata agctgcaata 720
aacaagggtta acaacaccaa tggcttcatt tatgtttcag gnt 763

<210> 2607
<211> 740
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(740)

<223> n = A,T,C or G

<400> 2607

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tcccatcgat	tcgaattcgg	cacgaggctg	tttgtgcaaa	taccttgaaa	actttgaaac	120
ttgaccccg	acaggcctgg	tgccaggctc	tttccgactt	ttgtgttttc	tttccacctt	180
tcactactga	ctttgcctct	ttcctaccag	gaatggacag	ggccgatgga	ggtgaagcgg	240
acagcagctg	cactgccctg	tagagattcc	caggccctgc	ccacttcaaa	gcacacaagc	300
ccacctcttc	ctcatcacat	ttccctttgc	aaccagggga	ggcactcacc	aggatgctgc	360
caagaaggaa	acattttatt	aacatgtttc	tttgtttccg	atgcacttaa	aacacttggg	420
cctcttgacc	aagtctagtt	ttaggacttc	aaaggggct	tgaaagccac	attttgatga	480
ctttgggtga	aaatgagtag	ggcatatcgg	gatttaattt	cccttgaaag	ttgcacagac	540
ttaaaaaatta	gcagaatagg	ctagcagaat	angccggatg	ccgtggctca	tatctgtaat	600
ccagcacttt	gggngccga	ggcangcgga	tcacctaaag	caacagttnc	anaccaagcc	660
tggccaacat	ggtgaaaccc	cctcttacta	aagatngaaa	aaattaanct	gggccgttgt	720
ggtgcaacct	gtaatcttac					740

<210> 2608

<211> 718

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(718)

<223> n = A,T,C or G

<400> 2608

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ggcagcaggtt	catcttttaa	aagcttcccc	ttattatggt	gttggtttta	aaatttaaag	120
ctatctctag	accaggaata	attatttgct	atatattaca	gcaaaaaata	tgtatgtata	180
aatggactca	ttcaaaatat	ataaagaact	cctattacaa	agaaattgac	aaacagccca	240
gtatatcaat	gaatataaaa	atttgagaag	atattttcca	taagaagata	tctaaatgaa	300
cattaggcat	gagaaaacca	aatttttagga	tatcactaca	cacctggcat	agtttaaaag	360
actgaaaata	ttaagtgtgt	gggaatgtag	agcaactgga	aatggcctac	atctttcata	420
gaaatgtaaa	acaatacaaa	tactttgcaa	aactctgtcc	aacattttct	acctttcac	480
caagcaactc	catccctagc	tatagatacc	caggaaaata	agtatgtatc	ttcacagaaa	540
taattgnatg	agaatattca	tagttcttat	gcacagtagt	tatcaagtaa	acctgtctnc	600
catcagaaaa	atggatatca	aatggggtga	taatcatnca	atcaatagga	tattacttgg	660
ccaaaccaa	tgaacaagg	gaaaaccaca	tcaaccaa	tagtggcntn	tttncccc	718

<210> 2609

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 2609

ggcagctctc	taatgcnngc	tacttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	60
cacgagcaaa	gtactgggat	tacaggcatg	agtcactgag	cccagcctaa	taaagaactt	120
tctgacagtg	aaaatgggtc	gtgcatgggtg	tgggtggggt	gagggtgagg	ccgggcgtgg	180
atggagcagc	agggaggttg	tagacaatgt	ccagacatca	gagagagggc	tgggctctga	240
tcctgtgcc	ccctgaaagg	ctttgatcct	atggtttggg	cagaaacaga	gcctgtaaaa	300
cccatgtatg	cagctgttgc	taagggcaac	cacaagatgc	tcaaaggacc	ttaaagatgt	360
agatgcagtt	agttacctga	agaagtga	gtagaagtga	agtcttttct	aaaagaaaaa	420
ccacagacac	aatggcaatc	tggggagaaa	gagagcctgg	gattgggaga	agatatccag	480
gcatttagct	ctctcttccc	cccatattta	gtgtgacata	tttattgtga	ctttataaat	540
tcttttttta	attttaattt	ttattttaat	gtttgtgggt	atgcagtagg	tgtatatatt	600
tatgggacac	atgagatatt	ttggtacagc	aggtgtttat	cttgaccgac	gtcttgnctc	660
tactgcctgt	cccgntctta	acatccttct	ctttctactc	cccttaccce	gtntt	715

<210> 2610

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 2610

ggcgnnttnn	ttctaatacn	ggctcttgtt	ctttttgcag	gateccatcg	attcgaattc	60
ggcacgagat	ttaaatagtc	tgtctttaag	agtagctctg	agattttttt	ctggtaaatac	120
actatttaac	ctctctgatt	tgtttagttt	ttctcatcta	taaaattgaa	atgataaaat	180
gaaggttaaa	ttagaaaatg	tagaaaatgc	ctagaacaga	gtcttgcata	tggttggtac	240
taaagtgttt	tgttccccat	ggatagtatc	ttctcttaaa	gatcctttga	aagggtctta	300
aagtgaacct	tgtaggatgg	taatttttgt	tcattttaat	tttttttagta	agttttgatt	360
gagatcttga	atttcattta	gaaaatttct	gctaagcaag	aagcagtgga	aaaattacag	420
gaaaagctgt	ctagacttga	ctacatagaa	attataaatg	tttgcatatc	acattgtcaa	480
aaaacaaaat	taaaagatat	tgacatgaaa	atatttgtat	gtgggcagaa	aaaagtttaa	540
tattcttaat	attaatgagc	tcttagaant	cttagaanta	attaaacatt	tgatagacta	600
atgaacaaag	gacatgaata	ggtggttcat	aaaagaaata	taaatagcta	ataagcatat	660
gaaaatggtg	tttagcctag	gataatcaaa	gaaactcaaa	tccatctttt	ggttggaaca	720
ttg						723

<210> 2611

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(815)

<223> n = A,T,C or G

<400> 2611

ggggactctg	ttctnacagc	tacttgttct	ttaggancca	atccangagn	aatnngnccc	60
gancncagnc	cnnaatnctn	ttttccgcnc	ctgggtncnt	cacttcctng	cggaanagac	120
agnnattttc	nnggntncat	tentatgaaa	ncanggnntg	gnntgaaaat	gtcttnccag	180
ntncaacagg	cnatnaacac	atgcctaaaa	gatcntgtaa	ggggtttcag	nacacgacga	240
gtcctctagc	gctttgtgtt	cacaccttta	ctccatgatc	cgtggaaacc	ggccaacaca	300
gacgagcctt	ncttatttct	nntactcagc	ctctttgatg	acacancaga	ancagacgtg	360

actatgctct	cgtatatatg	cagacaatct	angcctgttt	tncataccag	acncaggaag	420
aagcccgttg	ttataatgca	tcatatatac	attacactct	nnagtttctt	ggnagtcacc	480
tactgcagtc	atttcaaggg	agnctnatgg	gtaaaggunc	ataaaggaaa	ngangaggaa	540
aantantcnc	ctantannng	gaaaattgag	tcnangctga	caggtggnat	angaaaantt	600
ttncnaggcc	tttggaang	tcaccgggaa	aaccgtgggt	ngatttncag	aatttccana	660
atttccggaa	tttcangaat	gaaccgattt	ttaaaattcc	agtnngntgn	aaaatggttt	720
ttgncnngga	aaaaatttan	nttccntttt	taaatccgna	atttttcaaa	antgntnttn	780
cccaaggggg	cattttnaaa	taacnttnc	tcaan			815

<210> 2612

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(742)

<223> n = A,T,C or G

<400> 2612

gngggnnnnn	nnttttnnan	ngcgtntata	gnggctctt	gttctttttg	caggatccca	60
tcgattcgaa	ttcggcacga	ggccagcttg	acctgggtgt	gggcccgttg	ggcgagaatg	120
aagctncact	gtgaggtgga	ggtgatcagc	cggcacttgc	cgccttggg	gcttaggaac	180
cggggcaagg	gcgtccgagc	cgtgttgagc	ctctgtcagc	agacttccag	gagtcagccg	240
ccggtccgag	ccttccctgt	catctccacc	ctgaaggaca	agcgcgggac	ccgctatgag	300
gtgcgtgaag	tgggcaggcc	ctgtcagctc	cgcgttcttc	ttggaagccg	agacgcgggc	360
cacctccgtg	cctcatgctc	ccggctgtc	cctaggcgaa	agcccgcctt	gggggttcc	420
gaactcccag	ccttgagacc	taccatcagc	cgcacccan	ggtcctgtgc	gtcttccctac	480
ggacccgaaa	gaagaaagct	ttgagagtgt	accttttcgc	tatttttcc	cccatttta	540
cgactttgaa	tttacagtgt	tgctatttag	tagtggatgg	caatcccgcc	tgtttcaagt	600
ttctgaaatt	ttgcgtgaaa	caagcgcaaa	tgaagcaact	tgtccagttg	gggaacagta	660
aaataactgc	agttcttgtt	caatgaaaaa	aaaaaaaaaa	aaactcgagc	ctntagaact	720
atagtgaagc	gtattacgta	na				742

<210> 2613

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n = A,T,C or G

<400> 2613

gngcgtctta	tggtgctctn	gttcttttgc	aggatcccat	cgattcgctg	gatccagtc	60
aggccagagc	ctcctctgca	gagaaggtag	taggtgcca	tgcacagggt	gactgccagc	120
ctcgtggagt	gggggcagtg	gtgtccctgc	gggcccgtt	ggtcttctga	ggccatgtca	180
gtgccacccc	aggccgccc	tccatggcag	tgtggggcca	acaagcctgt	cttcccattt	240
ttctgagaga	ggctggaaat	cctgttcttt	ttatatataa	agtgtttcct	tttcaaaata	300
ttggcaacta	agtaaatcca	aacaaagtat	gggccaatc	atggcacact	cctgccccac	360
agggtggcct	ccagctaaga	gtcatgttta	caattttaga	ggtttggtgg	gctccagtg	420
gaccacgcct	gggggtggag	tggtgtggg	tgaaccgtgt	ctccactccc	acacctcgcc	480
actgagaaga	cagagcacgg	gatcgtgaca	gccgagctcc	accgccttca	ctagtcactg	540
tggcctgcag	gggctgncag	cctctgattc	aagagccagt	gggcccgcga	ggacacactn	600
ccttcccttc	ctgcctgggg	tcctgtgcnt	ttgagctgaa	actgttctng	gccttttctg	660

aaaaggatng tagaacgcn gantggcatt ttantggtga atgggccttt gcaggaacac 720
t 721

<210> 2614
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

<400> 2614
ggngttttat agcngctctt gttctttttg caggatccct cgattcgaat tcggcacgag 60
cctaggcttt accctcaata ctgcttcttg cnngnccaan cngtctntnt ccngtggtc 120
tgngtgatgt gactngtctt cttctccaag gcagtattac tcataaattc ttcttttagcg 180
gtactgatct atctgtgtca tcgctcagtc aaccacatat attaagacct aggcacagaa 240
caattctatt tctataaaat tctagaaaat gcaaactaaa ccataatgac aaaaagaata 300
ttagtgggtt tcctagggat gggatgtggg caaagagaga cgaaagaagg agggattacc 360
aaggagcaca gggaaagtgc gggatggagg gatatgctca ttgtcttgac tggatgatgt 420
tttacaggtg ggccaaacta atcaaacttt acacttcac tatatgacca gctatcatat 480
gtcaattata cctcaataaa gctgttttaa aacattttaag ggtatatcta ctggaaagta 540
aaactgcttt taattacnag actgnatcat catgtgcata gaaaaaatcc aaanggatc 600
ttccaaaaaa agctactaag aaccactggc cttcatcgag atgccaggtn caaaggttta 660
atattggaaa atcaactatt atttctatt tcaaaagcca accanaanaa naaannnann 720
nnnnnnnnnn nnnnnnnnnn n 741

<210> 2615
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

<400> 2615
gnttggnnnn nntttttnnn ancgcntttt tatanatata ngctacttgt tctttttgca 60
ggatcccatc gattcgaatt cggcacgagg gggcccccac gcaaactcaa attccctgag 120
cctcaagagg tgggtggaaga gttgaagaag tacctgtcgt agggagattt gggtagaagc 180
cctcatgctg agcttttgtt ccctgggtgat gttggaacat taatgatgga acatggccaa 240
acttcagtca tgatcctgaa accatggctt caggatcatg actgaagtca tggtttcttc 300
cctgccagaa atgaagggtc agttatgagg caaccctcta gtaaggcatt gtaaaagtta 360
ctggatttgg ttttaataaaa gttgaaataa agtanaaaaa aaaaaaaaaa aaaactcgag 420
cctctagaac tatagttagt cgtattacgt agatccagac atgataagat acattgatga 480
gtttggacaa accacaacta gaatgcagtg aaaaaaatgc tttatttgtg aaatttgtga 540
tgctattgct ttatttgtta ccattataaa gctgcaataa acaagttaac aacacaattg 600
cattcathtt atgtttcaag gttcaagggg gangtgtggg anggttttn aattcgccgg 660
gcncngcngc caatgcctt gggccccggg ncccagcttt tggttccttt aatgangggg 720
taaatgcccc cttnggcgta atcatgggna ata 753

<210> 2616
<211> 722
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(722)

<223> n = A,T,C or G

<400> 2616

gngggggnnt	tctaannna	ggctacttgt	tctttttgca	ggatcccatc	gattcgaatt	60
cggcacgagg	gtaagtaacc	tgtgcagagc	acagaactag	gattcagacc	tacagaccca	120
caagtcagcc	tctaaggccc	acttataact	gctcttctgc	ttgcaaggcc	ctatggatga	180
aatccagtta	taacctcctt	ttgctataac	tagacacaga	gggaggcggt	tctccctaata	240
ctgtatttat	ccagacaagc	tgtccagcaa	gatttctgag	tgaggggctt	taaggaagca	300
atctgcggt	gtgtagcctt	ttctccctca	gcaaatacag	aaggagctta	tagcccgggc	360
tcaccctgct	tcagaacaag	ggccaacatc	tgtccatacc	cctgttatag	tgagatggga	420
aaccttgtag	atgttggcac	tgtgtggctc	ttttctttta	tatactgggc	tttaggggtca	480
atcccattta	accaaagggt	tcaatagcta	taaaaaggcg	ttgaaattgt	atgggtattt	540
gagttatagc	tcagtaaagg	cattaaatct	tcagcctaga	tgacctatt	ccttcccact	600
ctaaccagct	gtgactncag	atggagacat	tgncctgcat	cctctacgtn	cccatnccca	660
catnccancc	agaaacaaat	gtgtgaagtt	tcataccaac	aagaatgggg	gggtaggaat	720
ca						722

<210> 2617

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(742)

<223> n = A,T,C or G

<400> 2617

gnnagnnnnn	nnnnngnnng	nttttnnaaga	ncagctactt	gttctttttg	caggatccca	60
tggatttgaa	ttgggcacga	gggaaccccc	accattaagc	taaagtaaaa	ccctttttgg	120
ggaagaggga	gactggggag	aagggaaaag	agagaaggca	gggagagtag	ggagagaaaa	180
ccttccagca	gcccagtaaa	ctgcgggcga	agagatctac	ccgtctccct	ccctcccaca	240
gttaccattg	gccttgctcat	cgcaagcatt	tgacaaagac	ttgcttgctt	tgggcctgtc	300
acctcctgaa	aggctgcttt	agctgtggat	gcccttgatt	aaggagagaga	gcgcctagga	360
gctgcctgcc	ccagctgggg	tgacggctgt	agggctgggt	ctatgttgca	agccctatat	420
cctagcatgc	agtggaaaag	gcttagctct	ctccctcctg	acctctgggc	agccagtcac	480
caaagcagag	agacgtggcg	gcatgtgggc	agcatgcca	ggttccttgc	tgactcagca	540
cttattttctg	tagtttttaa	aaagaattta	atgttttttg	ttgtattttt	ttgggggggt	600
gaggggtggc	aaaaacatgg	gggtagttct	gagttgttag	aaatgtttct	tgaatcaaag	660
tttgtttgaa	gacacctgtg	cctttgtacc	cattataaga	tggtcattaa	gacccaagaa	720
actgataact	ttggnntttt	tt				742

<210> 2618

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 2618

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gggnntttaan nncnntttnc naannagnna gctacttggt ctttttgag gatcccatcg      60
attcgaattc ggcacgagga gaactccaaa tagcccaaga ggggtggtgca cccccaactt      120
cataggggta gaggctcctg agattaggag aacccttttt aggctttact ctatgtacct      180
cttcatttga gtgttcattt gcgtccctta taaccagtaa aacaaagtac gctgttttct      240
tgagttttgt gagcctgtga gcaaattatc aaacctgagt agggcagtgg gaactcggaa      300
tttatcacca ttcagaactg caggttgtcc ttgtgagtgg catctgatgt gggggaagtc      360
ttggactgag ccccttaact tgtggagtct gcactaattt agactgcact aactaacttg      420
cactgcacta acttggactg cactaacttg tggagtctgc actaacttgg agaagttagt      480
gtcagaattg aattatagaa caccagttg ttcagaattg aattgtagaa caccgaattg      540
gtgtgggaga attagagaat ttatttgtgt cagaaaatac tccagaacaa ccacccata      600
ttatgattag ctcttttctt ttctttggct ctgagcttaa ttgtacatta agcaaaacta      660
agtagaaaag aaactgaata tgttaaatat attaacaaca tatttggact tgcttaactt      720
aagattatng agatgatcag ttataaaacc ccc                                     753

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<210> 2619

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (757)

<223> n = A,T,C or G

<400> 2619

```

ggnggntttt tanntncttn nctaantagg agctctngtt ctttttgag gatcccatcg      60
attcgaattc ggcacgagat gcagtgtaac tggcaggagg ggagtggaga ctacttgggt      120
agatgatcag gagatactct gcaagaggaa acatacagaa ggagcctgac atgagaaaac      180
tggggcagca gttttccagg aagagggacc agcacaggtc caagttgaaa ctcagaatgg      240
aatttttagga aattatatte ttcatgatgg ttagatcctg tgggctatca tcaactgcagt      300
tcaacaatgt ggtgcctagt aggaagagtt ctcccaggaa ccctccacgt gtgctatggg      360
atttctgaga aaaccagttc tgagttctag gcagtggact cacagttgaa cttggagggg      420
accaagaatt gcttccatca tagccttact aagaaatgac catggcatgg cctgagtgtc      480
tcggcatgga ngacagaaan ggggaagccct aatttgccag ttgcagactc ttggagcctg      540
tgactcctaat gacgacnaaa attaggagat tttctaggac tcacgttttg gattttgaga      600
gtagtgtctg tggggttctt ggtttggggt ctattgattg tttcattggt tctgtgtgca      660
agttaccctt ttctaagctt aattttaatt aatattatat taagtgaggt aattagatta      720
tatgaacctt aangcttctt tttattctta accctta                                     757

```

<210> 2620

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (750)

<223> n = A,T,C or G

<400> 2620

```

nggagggtatt nnnnnnnntt tncnantagn nngctcttgt tctttttgca ggatcccatc      60
gattcgaatt cggcacgagg ctctgtgaca ccctttttgt gatcttcagt gctgttttta      120
tggttacacg actaggaatc tatccattct ggattctgaa cacgaccctc tttgagagtt      180
gggagataat cgggccttat gcttcatggt ggctcctcaa tggcctgctg ctgaccctac      240
agcttctgca tgtcatctgg tcctacctaa ttgcacggat tgctttgaaa gccttgatca      300

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ggggaaaggt	atcgaaggat	gatcgcagtg	atgtggagag	cagctcagag	gaagaagatg	360
tgaccacctg	cacaaaaagt	cctgtgaca	gtagctccag	caatggtgcc	aatcgggtga	420
atggtcacat	gggaggcagc	tactgggctg	aagagtaagg	tggttgctat	agggacttca	480
gcacacatgg	acttgtagg	ccactggcaa	catactctc	ttggcccttc	ccatatctac	540
tcttctgtga	ttgggagact	gcaaggcact	gangagtatc	aaagaagcaa	atattttcac	600
tttgaaagaa	aactgccatt	ttgtatttaa	aaaaaaaaaa	aaaaaaaaac	tcgagcctnt	660
aaactatagt	gagtcgatta	cgtagatcca	gacatgataa	gatncattga	tgagtttgac	720
aaaccacact	agaatgcatg	gaaaaaatgc				750

<210> 2621

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (791)

<223> n = A,T,C or G

<400> 2621

gnnngnnnnn	ntangtggtn	ttaagnnnnt	tttnaatgna	gctcttggtc	tttntgcagg	60
atcccatcga	ttcgaattcg	gcacgagggg	actacagctg	tgtaccacca	caccggcctc	120
tcctggcttn	ttaaccactt	acattanaat	tgagaggana	aaggcagttg	acaggggntg	180
tantnaatna	ctngaacnca	ttcanngagg	antttntnc	ntggccntna	tnagtncnnc	240
tattcatcna	ntntaatgnt	gancnntacn	nttgntncaa	agccntnca	atcntaaacg	300
ncatncttan	atangtatnn	tcctactgcn	gcatngagca	gntcatnaca	tcagatacag	360
attctcagca	tggaaaacaa	agctnggata	ctgtgtcant	gctgctctgt	ggcaaagaac	420
acctnccttt	ntaagnnaca	gcctcactct	actagaatan	gtcngagcgc	gcccattcat	480
ggctgattgc	aacttccact	ggctgggata	cagatctaga	atntgtgttc	agatgcctta	540
cntaggaata	catnctaaca	cattcttaac	aggtttcaag	gggagatant	tnccgatagn	600
acgtagttta	tgcttnagtt	atatgtgtct	gcatctgntt	ttganggtta	acggcttaac	660
ccnttantta	gggtngttta	nagaattgat	ngttaaataa	cnttgatgna	aaagtttcan	720
atggacnttt	nnantttgcc	ttnaanngtg	gatatnggtc	tattgcccna	ngggntaatn	780
nngaaatanc	g					791

<210> 2622

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 2622

ngnggggntn	nnnnnnnnnt	ttcnaatgct	agctcttggt	ctttttgcag	gatcccatcg	60
attcgaattc	ggcacgagga	aaaaggaaaag	atggatatgg	aagaaattat	tcagagaatt	120
gaaaacgttg	tcctagatgc	aaactgcagt	agagatgtaa	aacagatgct	cttgaagctt	180
gtagaactcc	ggtcaagtaa	ctggggcgaga	gtccatgcaa	cttcaacata	tagagaagca	240
acaccagaaa	atgatcctaa	ctactttatg	aatgaaccaa	cattttatac	atctgatggg	300
gttcctttca	ctgcagctga	tccagattac	caagagaaat	accaagaatt	acttgaaaga	360
gaggactttt	ttccagatta	tgaagaaaat	ggaacagatt	tatccggggc	tggatgatcca	420
tacttggatg	atattgatga	tgagatggac	ccanagatag	aagaagctta	tgaaaagtgt	480
tgtttggat	cagagcgtaa	gcgaaaacag	taaagttaaa	tttcagcata	tcagttttat	540
aaagcagttt	angtatgggtg	atttagcaga	acacaagaag	agcaagaaaa	tgtgtcacat	600

ctataccaaa	ttgaggatgt	tgagttatgg	tactaatgta	tgcaacttta	attttgttta	660
acactatctg	ncaaaattaa	actttattcc	ctataacttt	aaaatgngta	tatatatatt	720
aatagtttat	ttatgtacag	gtnnaattct	actgggtttt	ggcng		765

<210> 2623

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 2623

ntnggnnnnn	ntttnnnnngt	nggttttttag	atcagctctt	gttctttntg	caggatccca	60
tcgattcgaa	ttcggcacga	ggattcattt	ttgtactagt	taatatcaac	tctttctcag	120
aagtagtcaa	aatataaata	aaagttcttc	aaaagtaacc	caggagcaac	agctgagcag	180
tgccagagtt	gtgaggtaaa	catcaatcat	ttcacaatg	ttctgacttg	ttgagcagtg	240
ttcatttcca	ggtttcaaac	ttaaagtatc	tattaagcaa	tcttaaaaga	aagaacaccg	300
ccttaggaaa	aaagagattt	gccaaactct	tcatacttcc	ttcaataact	gcttagcaaa	360
cactcttgag	tgtcttctat	gggcaatgg	ctgtatccat	agggatacag	agatgaatga	420
acatgaactt	ggaaaaaatt	attatacaac	acaaagtagg	aaaacggtgc	acaaagcata	480
aagaaattag	cggagggagg	gattgtttga	tgggaaggtct	tagggagtag	gtgggatttg	540
aatttggttc	ttggatgggt	aaagtaaggt	agggcagcag	ggtgggcggc	aaaaagtggt	600
aggttacagt	aagtagaatg	gtcaatagcc	tattttgact	gaagtaaggg	ttaaggcttg	660
ttgggagcct	gatgatagat	ggggatgctg	taaactcact	gggatgtttt	ncaaaagaga	720
accctttaaa	aactgcgtnn	aggagcn				747

<210> 2624

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(774)

<223> n = A,T,C or G

<400> 2624

ggnggnnttn	tttatntata	cangctactt	gttctttttg	caggatccca	tcgattcgaa	60
ttcggcacga	gagagcgagt	ctctctttgt	tgcttaggtt	tgtcttgaaa	tcctgggttc	120
aagcaatcct	ccctctcag	cctcccaaaa	tgtctggatt	acaggtgtga	gccaccacac	180
ctggcctcta	ctttcttata	tttctttaa	tagatttcct	ttcttttttg	attaagaaaa	240
aataaacaga	aaattaaaa	ttgaacatat	tataaaaatg	aaagataatt	gtaaaatctt	300
ggtttgagga	gtgtctctct	gagcccagaa	atcatccaga	aaaatggaca	gatttgactg	360
catcacattt	aaaaacttta	caatgatgaa	aaatacaagt	gaagctattc	atacaataga	420
ttaggaccaa	gtatttttaa	catgtattat	agacaaaaaa	ttaccatcca	aatatagaa	480
ttgtacaaaa	attttaaaaa	catggttaaa	aaatgggcat	agggatataa	ccgggataat	540
tcacaggang	gaaaaaaaat	ncaaatggcc	caataaacca	tgaaaanggt	ggttggttaag	600
gctggggttg	aagggtgggt	tcacttcccta	ttanttttcc	aaccactttt	ggggaaagcc	660
caagggaaaa	aagggtattgn	actttgggga	tcanggcttc	gaancctttt	agaacctttt	720
ggtggagtcc	gnanttancg	tnngatcccc	gaccttggtg	aaggatccca	ttgg	774

<210> 2625

<211> 746

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 2625
gngggggnnn ntttttnnaag gcgcgcgtnt tctaattnnna gctctctttt tgcaggatcc 60
catcgattcg gaaaatggta tctttcagat ttctagaagt tcaagtgtca tacaacaaaa 120
caggaacccc ctttactctt atggacctca tttcaatata ctgtttacag tttgatggaa 180
ttgtataatt taatatttct cttgtactgt agtttatatt tatttacaga tttttttgta 240
ctgtgtgatt tgaacttttt gttccttgct atgatcaatg tttatgtagt agagcactta 300
tgatcacaaa ttaagttttt tggtttgatt gcactacatt aaatttttta atgcagttct 360
gattttttgac tggactaaaa ctgtgtctta atgtatgtga tgagtactta aaattttaat 420
ccatgtggtc ccccccttt ttttttttgc attgtatgmn aaaagcgctt ggtctttcgt 480
gcatgtgtan tatntaatgg taccattgn ntagttgacc atgacatttt tgganaaaca 540
ttncagctgn nangttgngt atggnngctc actggatgct anactttttn aaatncnaat 600
tnntntaaat aanannnnnt tnnngaantan tnnntntntn nnnncncnnn nnancnntnn 660
nnccnttnnn nnttntnnnn nngaactnnt nncnnnttcc ctgntttann nntnnnnntnn 720
atngcnnttt ntacncnct tnttcc 746

<210> 2626
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)
<223> n = A,T,C or G

<400> 2626
gnggnnnnnnt ttatanatac agcctacttg tctttttgca ggatcccatc gattcgaatt 60
cggcacgagg ctgggagtat aggctgagtt aggaagattg cttgagcccg gaaggcagaa 120
gttgacagtga gccaaagatcg cgcactgca ctcccaactg gacgacaaag cgagatactg 180
ggagtatagg cattcgccac cctgggcaac atagcaagac cctgtgtcta caaaaaattt 240
aaaaaaaatt agcctgtagc cctagctatg caggaggtgg aggtgggaga attgcttgaa 300
cccaggagtt tgaggttaca gcgagctgtg atagcaccac tgcactccag cctgggccac 360
agagcaagat cgtacctctt aaaaaaaaaa agaaaaaacac aagcaaccaa aaaaaaaaaa 420
nnnnnnnnnn nnanaaaaaa aaaaaactcg agcctntaga actatagtga gtcgtattac 480
gtagatccag acatgataag atncattgat gagtttggac aaaccacact agaatgcagt 540
gaaaaaaatg ctttatttgt gaaatttgng atgctattgc tttatttgta accattntaa 600
gctgcaataa acaagttaac aacaccaatt gcattcattt tatgtttcag gttcangggg 660
gaggtttttg aaggtttttt aattcncggg ccgcggggcc aatgcattgg gcccggtacc 720
caattttt 728

<210> 2627
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(728)

<223> n = A,T,C or G

<400> 2627

ggnngnngnnnn	nttctnaata	gcnaggctac	ttgtttctttt	tgcaggatcc	catcgattcg	60
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aaagcagaac	tagctcgatc	taccagaccc	caggcctggg	ttccaaggga	aaaattgccc	180
agaccactca	ccagcagtgc	ttcagctatt	cgtaaaactta	tgcggaaagc	agaactcatg	240
gggatcagta	cagatatctt	tccagtggac	aattcagata	ctagtcttag	tgtggatgga	300
aggagaaaac	ataagcaacc	agctctcact	gcagattttg	tgaattatta	ttttgagaga	360
aatatgcgca	tgattcaa	tcaggaaaat	atggctgaac	aaaagaatat	aaaagataaa	420
ttagagaatg	aacaagaaaa	gcttcagtga	gaatataata	agctatgtga	atcttttagaa	480
gaactacaaa	acctgaatgg	aaaacttcga	agtgaaggac	aaggaatatg	ggctttacta	540
ggcagaatca	cagggcagct	ttgaagatgc	tttatgtgaa	aagaatgtgt	gtggcttgga	600
tcctaaagaa	tgtttttaaaa	ggtgagaatt	agtantcgcc	tntgggagga	tcagcctttg	660
gtcctgttaa	tagaagttga	atatnccggc	aatttttgca	gcccccaagg	nggagaaaac	720
caagttaa						728

<210> 2628

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (731)

<223> n = A,T,C or G

<400> 2628

gngngncctt	naaatcncng	gctacttggt	ctttttgag	gatcccatcg	attcgaattc	60
ggcacgagga	ggattagcca	tgctggggtc	tcttgacaa	aaggctggta	ctgattgaaa	120
aattccctga	gtatgtctag	aagtgtcagg	ctcctctgga	atcagttaca	gtgggattgg	180
ctgcttaggt	ataatcttta	taagattaaa	aattatagat	tatttggcag	cttggttgaa	240
agtgttggtc	ccaagaaaaa	gttctgctgt	gtgttatggc	agaattatta	aaaaaaatac	300
attcttaagt	tgaggtttct	aagttaggct	ttgtaaaaac	aggcaattac	ttgctggagg	360
cagttaattg	catgcacaga	tgggtacttg	tgttacaaa	tcctcatttg	cacttgat	420
taccatttg	caataattca	tgaaacctag	ggaattctta	ggtacaagga	aagggttttag	480
gcatttaaaa	aacgtatcac	taccatcaga	ggagatggag	aaaacaaaga	gctaagtata	540
aagcettatt	ccaaatgcta	agttcagaga	atattttctg	aagctcgcg	ttgttgagg	600
taagagggtt	acttaagcta	ttggttccat	ggactctntt	cactttnaaa	aaaaaaannn	660
nnnnnnnaaa	aaaaacntng	agcccnttan	aacttntngn	ggagtcntat	ttccgtnnaa	720
tcnnaacnt g						731

<210> 2629

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (727)

<223> n = A,T,C or G

<400> 2629

gngtgnnntt	ttagatata	ngctacttgt	tctttttgca	ggatcccatc	gattcgaatt	60
cggcacgagg	gggtatccct	tgagaccacc	ttgggaccag	tgcttgcaag	cagcgagata	120
tttccccagc	aaaaccaggc	agctgcta	taa	aatgctta	gaaccaatga	180

tggtcctgcc	tgtgagctgc	ctactgctgc	cttctgaatg	catatatctg	ctactgtagc	240
cccgggttgt	caaactatgg	cctgtgggccc	aaatccagcc	acagtcgggt	ctttaaagtt	300
ttatcgaaac	acaagcaatg	gaaatgccca	tttccattgt	tgtctccagt	tgctctgctc	360
cgagggcagt	gttaagttgt	gcagcagagg	cccctccatg	caaagctgaa	tatgtttact	420
atltgaactt	tttcagaagt	tctgcttaag	gacaaaataa	agcctaaatc	caagaacact	480
tttaaaaatg	aggaaatagt	gaacacaata	gacggaagtc	tggaagtttc	tacccatgcc	540
aagaaaagca	ttttatgttt	ggtcacatat	gttgtgcaat	tcaaattttt	ttccctatat	600
tctctgacta	gacacttgta	ctgagtcfaat	tggcagagtg	gtctgtctaa	aagcccaatt	660
tcaaaatatc	actttaaagg	catctttaca	tagtgggggt	taagaaaaaa	gttggtattc	720
agcaana						727

<210> 2630

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (731)

<223> n = A,T,C or G

<400> 2630

ggngngnngtn	nttcnaatgc	naggctactt	gttctttttg	caggatccca	tcgattcgc	60
tttttaagca	aagcagtttc	tagttaatgt	agcatcttgg	actttggggc	gtcattctta	120
agcttggtgt	gcccggtaac	catggctctc	ttgctctgat	taacccttcc	ttcaatgggc	180
ttcttcaccc	agacaccaag	gtatgagatg	gccctgccaa	gtgtcggcct	ctcctgttaa	240
acaaaaacat	tctaaagcca	ttgttcttgc	ttcatggaca	agaggcagcc	ggagagagtg	300
ccagggtgcc	ctggctctgag	ctggcatccc	catgtcttct	gtgtccgagg	gcagcatggg	360
ttctcgtgca	gtgctcaaga	cacagcctgc	cctagtccta	ccagctcaca	gcagcacctg	420
ctctccttgg	cagctatggc	catgacaacc	ccagagaagc	agcttcaggg	accgagtcag	480
attctgtttt	ggctacatgc	ctctgcgggg	tgcgggtatt	gaggcaccca	aggagctgnt	540
actggcgtgg	aaataggtga	tgtgtctacc	tctgtgtggt	nactcacaag	ccacacttga	600
tacacgatga	caccttgctt	ggttgggaaa	catnttaaac	atctagttna	tgacttgcag	660
gctgntggct	accagtttcc	tgtcttgaag	gggtaatatg	gttaactttc	gggancaggt	720
tggaatgctnn	g					731

<210> 2631

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 2631

ggtgttatan	nnnnnnnttt	tcaaaganac	agctcttgtt	ctttttgcag	gatcccatcg	60
attcgaattc	ggcacgagat	tatttaaagc	ttattcaatt	taaaagacta	cttgtaattc	120
cggacttatt	ctttgaatag	ttggtattaa	ggtttctttt	gtaaaataag	agggtgtagt	180
atltttcaat	gcccttaatt	aacaaaatta	aaagtttgaa	aacctatgt	tgattctccc	240
tcattttaaa	aaattttgta	attccactgg	tccacaaaaa	tcccaattga	ggagagctct	300
gggaagagca	cattctgtca	atgggtctca	acattttggt	ctcaggacca	ctttacattc	360
ttatttagga	aatgacctaa	atgtctttca	actagtgaac	gaataaactg	gtacatctgt	420
gtaatggaat	actacttcac	aatcaaaagg	aatgtactat	tgatacacac	agctacatgg	480
gtgaagctca	aatgtattat	gctgaatgaa	agaagccaga	ctcaaaaage	tgcttactgn	540

tatgttctat	ttatatgaca	ttcttgaaat	gacactactt	agggatggat	aatagattag	600
tggttgccag	gagttggggg	agtggaaggg	gtttactaca	atggantggc	ataagggaaa	660
ttatttgggg	tggtgaaact	cttaattggg	ggntacataa	ttctatgcat	ttggcaaaat	720
tcatggagct	gcacacccaa	aagagtgaat	ttntncc			757

<210> 2632

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 2632

tgnnnnnntt	tttnnaaggn	gcnnnnncntt	naaatnnctg	gctacttggt	ctttttgcag	60
gateccatcg	attcgctaaa	gccggctatg	ggaagccatg	tcatacttgg	ctaccttcc	120
atgttccttc	tcacagcaaa	actcttggac	tgatcatttg	aagtcacccc	tctgtgtcct	180
cttgtgaaat	ggcttgggcg	tctctgggct	ctgacttgct	catctgggaa	gagatggggg	240
agagggagtt	ggattataaa	tcagtgttca	ctcagtcaac	agaatgctac	tcaggcacta	300
aaaatgatgg	cgtagcccta	cgtattctga	catgggaaga	tggccacaat	atcttattat	360
gtggaaaaaa	ctagttgcat	aggatttatg	gtttgattac	attttagtaa	aataaattca	420
tttatgggtg	tatatgcaaa	gaaaaaataa	tgccggggcg	agtggctcac	gcctgtaac	480
ccagcacttt	gggaggctga	ggcagggtga	tcacttgagg	ccaggagggt	gagaccagcc	540
tggccaacat	ggtaaaaccc	catttccatt	aaaaatacaa	aaattagcac	caagccgtgg	600
tggcacgtgc	ctgtagtccc	agctactcan	gangettaan	atgggaaaac	ttgcnttgaa	660
cctggaaagg	tgggaagggtt	gcggtgaagc	ccaagaatca	cgccanttgg	acttncggcc	720
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<210> 2633

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(764)

<223> n = A,T,C or G

<400> 2633

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ggtagccgga	tcgagctggg	agatgtgaca	ccacacaata	ttaaacagtt	tnaaagattg	120
aatcaggtca	tctttccagt	cagctacaat	gacaagtcta	caaggatgtg	ctggagggtg	180
gcgagctagc	aaaacttgcc	tatttcaatg	atattgctgt	aggtgcagta	tgctgtaggg	240
tggatcattc	acagaatcag	aagagacttt	acatcatgac	actaggatgt	ctggcacctt	300
acccgaaggc	taggaatagg	aactaaaatg	ttaaatcatg	tcttaaakat	ctgtgaaaaa	360
gatggtcctt	tgacaacatt	tatctgcatg	tccagatcag	caatgagtcg	gcaattgact	420
tctacaggaa	gtttggcttt	gagattattg	agacaaagaa	gaactactat	aagaggatag	480
acccgcagat	gctcatgtgc	tgacagaaaa	cctcaaagtt	ccttctggca	gaatgcagat	540
gtgcaaaaga	cagacactga	caaattacaa	atgaactttc	ttgcacttgc	ttgtcgccca	600
ataaaagaga	ggcccatgga	ttcttcccca	ccccaaaaaa	aaaaaaaaann	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	annnnnnccc	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnngnn	nnan		764

<210> 2634

<211> 717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (717)
 <223> n = A,T,C or G

<400> 2634
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 cttgggcaac atgacaagac ccttgtctct ttaaaaaagc aactcaaacc atgtcttgaa 120
 aagctattta atggtcagac acgatggctc acgcctgtaa tcccagcact ttgggaggcc 180
 gaggcaggcg gatcacttga ggtcaggagt tcaagaccag cctggccaac atggcaaaac 240
 ccagtctcta ctgaatgaaa atacaaaaat tagctggcct agcagttggt ggtggcagggt 300
 gcctgtagtc ccagctactt gggaggctga ggcaggagaa tcgcttgaat ttgggaggcg 360
 gaggttacag tgaaccacaca tggcgccact gcactccagc ttgggtgata gagtgaact 420
 ctatctcaaa aaaaaaaaaa aaaaaactcg agcctctaga actatagtga gtcgtattac 480
 gtatagccag acatgataag atacattgat gagtttggac aaaccacaac tagaatgcag 540
 tgaaaaaaat gctttatttg gtgaaaattg tgatgctatt gctttatttg taaccattat 600
 aagctgcant aaacaagtta acaaccanca attgcattca ttttatgttt caaggttcaa 660
 gggggaagggt tttgggaagg tttttttaat tcgcggncc gcggcgccna tgcattg 717

<210> 2635
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (769)
 <223> n = A,T,C or G

<400> 2635
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 tccactgcac ctgctgcgga gtgggcacct ttgcctgcaa ggccttttnc ccantgncca 120
 atggtanttt aaccagggtt tttgncnntt aaggaggcct tngtgggtggg tngttaatct 180
 ggcntttccn tattgaaaag ctctctgtat tgtccacaga ccagaaggac ttgtaacctt 240
 ggtccacag tctgacttng gcttttcaag caccagaaa acttagaggg aatcttatag 300
 attccagaac ttaaggatac ctcaagggat agggtcacag ccaagaagtn caaaggaatc 360
 ttcagtctgg aacaaaaaca gaaccctttc atgattgaca aangtcactt tctgtttgcc 420
 tggaccaagc tactncagat catctgacca actcttaaaa atcacggcca ggcacagtgg 480
 ctcatgcctg taatcccagc actttgggaa gcaaaagtgg caggatcatt ncagcccaag 540
 agttcaagac cagcctgggc aacacagtga gtgagaccct gctctattta agaaaaatna 600
 ttaagaaatt tattaaaaaa gaagaatcag gaaaccaagt ncaaccaac ttaacctcaa 660
 tgaaccagcc cctaacacag atgangggat ttgggactga taagctctgt gctgngtcca 720
 tggcccgcca nttatcaagg ttgcactttt aaatgnggta tttttatgm 769

<210> 2636
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (769)

<223> n = A,T,C or G

<400> 2636

gttctnngtc	tttttgcagg	atccctcgat	tccaattcgg	cacgaggcca	agcctcggcc	60
tccactgcac	ctgctgcgga	gtgggcacct	ttgcctgcaa	ggccttttnc	ccantgncca	120
atggtanttt	aaccaggggt	tttgncnntt	aaggaggcct	tngtggtggg	tngttaatct	180
ggcctttccn	tattgaaaag	ctcctgttat	tgccacaga	ccagaaggac	ttgtaacctt	240
ggccccacag	tctgacttng	gcttttcaag	caccagaaa	acttagaggg	aatcttatag	300
attccagaac	ttaaggatac	ctcaagggat	agggtcacag	ccaagaagtn	caaaggaatc	360
ttcagtctgg	aacaaaaaca	gaaccctttc	atgattgaca	aangtcactt	tctgtttgcc	420
tggaccaagc	tactncagat	catctgacca	actcttaaaa	atcacggcca	ggcacagtgg	480
ctcatgcctg	taatcccagc	actttgggaa	gcaaaagtgg	caggatcatt	ncagcccaag	540
agttcaagac	cagcctgggc	aacacagtga	gtgagaccct	gctctattta	agaaaaatna	600
ttaagaaatt	tattaaaaaa	gaagaatcag	gaaaccaagt	ncaaccaaac	ttaacctcaa	660
tgaaccagcc	cctaacacag	atgangggat	ttgggactga	taagctctgt	gctgngtcca	720
tggcccgta	nttatcaagg	ttgcactttt	aaatgnggta	tttttatgn		769

<210> 2637

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(777)

<223> n = A,T,C or G

<400> 2637

taananatnc	agctacttgt	tctttttgca	ggatcccatc	gattcgaatt	cggcacgagg	60
ccaagcctcg	gcctccactg	cacctgctgc	ggagtggcac	ctttgcctgc	aaggcccttc	120
taccccatgg	cccaatgtca	tcttaacaag	gtctttggcc	acttcaagaa	ggccttgtgg	180
tgggttgctc	aatctggcct	ttccttcatt	aaaaactact	gnattatgtc	acagaccaag	240
aagggaactgt	cacgttggtg	ccacaagtct	gacttgggct	atcaacagcc	agaaaaacta	300
gaggaatctt	atagattcca	gaactcagga	tacctcaagg	ataggtcaca	agcaagagta	360
caagggaatc	ttcagtactg	acaaaaacag	aacccttcct	gatttgacaa	aggtcacttt	420
ctggttgctc	ggaccaagct	actccagatc	atctgaccaa	ctcttaaaaa	tcacgggcag	480
gcacantggc	tcatgcctgt	aatccagcac	tttggggaagc	anaagtggca	ggatcattna	540
agcccangag	ttcaagacca	gctgggcaac	acagtgaagt	agaccctgtc	tctatttaag	600
aaaaaattat	taagaaattt	tattaaaaaa	gaagaatcag	gaaaccaagt	ncaaccaaac	660
ttaacctaaa	tgaaccaacc	cctacacaga	tgangggatt	tgggactgat	aactctgggc	720
tgggtccatg	gcccgtcatt	atcaagggtg	aactttgtaa	aggggctttt	tttatgt	777

<210> 2638

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(777)

<223> n = A,T,C or G

<400> 2638

taananatnc	agctacttgt	tctttttgca	ggatcccatc	gattcgaatt	cggcacgagg	60
ccaagcctcg	gcctccactg	cacctgctgc	ggagtggcac	ctttgcctgc	aaggcccttc	120
taccccatgg	cccaatgtca	tcttaacaag	gtctttggcc	acttcaagaa	ggccttgtgg	180

tgggttgctc	aatctggcct	tcccttcctg	aaaaactact	gnttatgtcc	acagaccaag	240
aaggaactgt	cacgctggta	ccacaagtct	gacttgggct	atcaacagcc	agaaaaacta	300
gaggaatctt	atagattcca	gaactcagga	tacctcaagg	ataggtcaca	agcaagagta	360
caaaggaatc	ttcagtactg	aacaaaacag	aacccttcat	gatttgacaa	aggtcacttt	420
ctggttgcct	ggaccaagct	actccagatc	atctgaccaa	ctcttaaaaa	tcacgggcag	480
gcacantggc	tcatgcctgt	aatccagcac	tttgggaagc	anaagtggca	ggatcattnc	540
agcccangag	ttcaagacca	gctgggcaac	acagtgagtg	agaccctgtc	tctatttaag	600
aaaaaattat	taagaaattt	tattaaaaaa	gaagaatcag	gaaaccaagt	ncaacccaac	660
ttaacctaaa	tgaaccaacc	cctacacaga	tgangggatt	tgggactgat	aactctgggc	720
tgggtccatg	gcccgtcatt	atcaagggtg	aactttgtaa	aggggctttt	tttatgt	777

<210> 2639

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(779)

<223> n = A,T,C or G

<400> 2639

nnnnnnnnnn	nnnnntntga	aacccttttn	aagccttttg	naggaccctc	gatcgaattc	60
ggcagcagga	acagacaagt	tctgtcccag	cctctgttac	ctctaaccce	atggcattct	120
atccttttct	acactgggct	tncatttctt	acccaacaat	ggactggtct	ttcaagggtc	180
tggcatttaa	attcccaaan	acttggncct	cttctgannt	ggggacctcc	ttcaaagntg	240
aattgcagtg	agtgcacaata	aactgggcta	aatacttata	ttgccagaag	actcaaaggg	300
nttaaggctt	ttactaactg	aactctatgc	tagaaggtaa	ggataaaaag	gtaacaggac	360
acaagtcttg	cttaacttgc	tatgggctgt	caagccttat	caaactaacc	ctatctctct	420
tcacctctta	tctttatcac	ccgtagattc	cttgggtggc	actgggttct	ttcaagcctt	480
aattagccct	ttgncactac	ctgncctacac	atgctgggtt	tccgtctcat	tccatcttga	540
cattggctat	tttgaganct	caacttaatt	gcagaagaac	tggcttccca	tctggcaacc	600
catttatatg	ggcaaaagac	catgttgnac	catagagcta	gaccangtgc	catggtgggg	660
cttgnaaagn	attcaccaac	ttncaaaggt	tacctaaatc	cctttactca	agaagcctaa	720
ntntactgga	cagtgggaaa	aataacccct	ttggnataan	gnncccaaaa	aaaagnaaag	779

<210> 2640

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 2640

taaanatcag	ctcttgttct	ttgcggactt	atcgatccna	attcggcacg	agggtatttg	60
ttcttgaacc	acacccgttc	gacccatagag	ttctcttttc	tgctgggtcat	gatggaaacg	120
tgatagtgtg	ggatctggca	agaggagtca	aaatacgatc	ttatttcaat	atgattgaag	180
gccaaaggaca	tggcgagcta	tttgactgca	aatgctctcc	tgatgggtcag	cattttgcat	240
gcacagactc	tcattggacat	cttttaattt	ttggcttttg	gtccagtagc	aaatatgaca	300
agatagcaga	tcagatgttc	tttcatagt	attatcggcc	acttattcgt	gatgccaaca	360
atthttgtatt	agatgaacag	actcagcaag	cacctcatct	tatgccttcc	ccttttttgg	420
ttgatgttga	tggtaacctt	catccatcaa	gatatacaag	attagtctct	ggccgtgaaa	480
attgcaggga	ggagcaactc	atcctcaaat	gggagtactt	cctcaggact	gaatcaagtt	540

ttaagtcagc	aagcaaacca	ggagatcagc	ccactggaca	gcatgattca	aagactacaa	600
caggacaaga	cctgagacgt	tcttggtgaa	gcaggtttaa	taatccaccg	ttaagtagan	660
gctccataag	tctacctcaa	aggtcattcc	caccaacgta	ggcttanacg	tatggacaaa	720
ttgaagtgtc	cgnaaatgcn	cagaacgccc	aagaaat			757

<210> 2641

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 2641

nnnnnnnnnn	nnnnntntga	aacccttttn	aagccttttg	naggaccctc	gatcgaattc	60
ggcacgagga	acagacaagt	tctgtcccag	cctctgttac	ctctaaccct	atggcattct	120
atccttttct	acactgggct	tncatttctt	acccaacaat	ggactgggtct	ttcaaggtgc	180
tggcatttaa	attcccaaan	acttggncct	cttctgantt	ggggacctcc	ttcaaagntg	240
aattgcagtg	agtgacaata	aactgggcta	aatacttata	ttgccagaag	actcaaaggg	300
nttaaggctt	ttactaactg	aactctatgc	tagaaggtaa	ggataaaaagg	gtaacaggac	360
acaagtcttg	cttaacttgc	tatgggctgt	caagccttat	caaactaacc	ctatctctct	420
tcacctctta	tctttatcac	ccgtagattc	cttgggtggc	actgggttct	ttcaagcctt	480
aattagccct	ttgncactac	ctgncctacac	atgctggttt	tccgtctcat	tccatcttga	540
cattggctat	tttgaganc	caacttaatt	gcagaagaac	tggcttccca	tctggcaacc	600
cattatatgn	ggcaaaaagac	catgttgnac	catagagcta	gaccangtgc	catgggtggg	660
cttgnaaagn	attcaccaac	ttncaaaagg	tacctaatac	cctttactca	agaagcctaa	720
ntntactgga	cagtgggaaa	aataaccnt	ttggnataan	gnncccaaaa	aaaagnaag	779

<210> 2642

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 2642

naatngcnag	ctctngttct	tttnccgatt	annaagcctt	agcaggcngg	gaagatgaaa	60
ggtagccgga	tcgagctggg	agatgtgaca	ccacacaata	ttaaaccagt	tnaaagattg	120
aatcaggtca	tctttccagt	cagctacaat	gacaagtcta	caaggatgtg	ctggaggttg	180
gcgagctagc	aaaacttgcc	tatttcaatg	atattgctgt	aggtgcagta	tgctgtaggg	240
tggatcatte	acagaatcag	aagagacttt	acatcatgac	actaggatgt	ctggcacctt	300
accgaaggc	taggaatagg	aactaaaatg	ttaaatacat	tcttaaaca	ctgtgaaaaa	360
gatggtcttt	tgacaacatt	tatctgcatg	tccagatcag	caatgagtcg	gcaattgact	420
tctacaggaa	gtttggcttt	gagattattg	agacaaaaga	gaactactat	aagaggatag	480
accgcagat	gctcatgtgc	tgcaaaaaa	cctcaaaagt	ccttctggca	gaatgcagat	540
gtgcaaaaaga	cagacactga	caaattacaa	atgaactttc	ttgcacttgc	ttgtcgccca	600
ataaaagaga	ngcccattga	ttcttcccca	ccccaaaaa	aaaaaaaaa	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnncc	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnngnn	nnan		764

<210> 2643

<211> 788
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (788)
 <223> n = A,T,C or G

<400> 2643

gnntttgata	ccctttttga	ntgccttttg	caggacnctc	gttcgaattc	ggcacgaggg	60
aacgcagctg	ctcaccagca	acggaacaaa	gctggacnga	gaatgacttt	gaagagctga	120
gagaagggct	tcagaccgat	caaattactc	tgagcttacg	gggagggcca	ttcaaaccaa	180
agggcaaaga	aagtttgaaa	actttgaaaa	aaataaatgg	tcattaatta	aacgtggaaa	240
tctggtgaac	aagtaacaaa	ctttggtgaa	atttcaggac	catagccatt	gaagtggatg	300
agggaaaccta	tatcatgcac	tcaacaatgg	tctttttacc	ctgggagctt	cacacaaaga	360
agaatcgccc	tgaaacctgg	ctatggaaaa	taccttagta	taaattcaga	tgaacttggt	420
gttggcgttc	agatgcaatt	ggccaagaga	acaatgggaa	ccagtctttc	aaaatgatgg	480
ccatncagta	atgagaatga	acagtcttca	actaaaggca	acaatntaga	tgaatctcgg	540
aaacatgata	ttgaccaaga	cagaaaagat	tcacttacat	aaacttcaaa	agaagataaa	600
actgatctat	gacattaata	gtcagaatat	tcattatcct	tgagggaact	aaactgggaa	660
gccncatgat	agggcatttt	ggaagctagt	aatgncctct	ttcttgatct	ggtacattgg	720
tgnggttatt	tcattagatt	tattgagctn	tacatttacc	accngtcct	tggctctgga	780
tatgtttt						788

<210> 2644
 <211> 800
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (800)
 <223> n = A,T,C or G

<400> 2644

nnnttttnnn	anatncagct	cttggtcttt	ttgaggatcc	tatcgattcg	aattcggcac	60
gagttcacca	atgacatgat	cttatagcga	ttctataaaa	acagaattat	taaccaaatt	120
cagcaaaagt	gggtcaaattc	caaaaattaac	ccccagaaat	caggtgcttt	ctattatagt	180
actngccagg	tggaaccact	tcatggaang	gaaattagcc	aggttcattt	aaatngcatt	240
caaaaaggaa	ttnaaattcc	ttagggaatt	aaccnaggga	nggtgaaaga	cttggtcccc	300
agaaaactnc	caaaaatattg	gttggaagaa	attaaagaag	acataattaa	atggaaagac	360
atcctggtgt	tcaattatat	ccattttaaag	acacaattaa	atgggaagac	atctgtgttg	420
gaaagttaa	tattggtcac	atgtcagctc	acccaaagt	gcacagagg	caatgcaatc	480
ctattaacat	ccacagtgtt	tttttaggaa	atnttaaaac	ctatcacang	ccaggttcng	540
ttggtcatgc	ctgtaatccc	aatatatttc	caagcctagg	agttcaagac	cagcctgggc	600
aacatacgag	accctagctt	tacaacacac	caccaaagc	ccggtgtggt	agcacatgtc	660
tgtagtcaca	ggtcctttag	angttgaggc	aggaggatca	cttgagcccc	aagaatttga	720
ggcacagtgg	gctntnttca	ggnttcttaa	ctccagctcn	ggtgacangg	ggaaaacctg	780
nggctaggtt	taaaaaaaaa					800

<210> 2645
 <211> 804
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(804)
 <223> n = A,T,C or G

<400> 2645
 gnnnttttnaa aannncnagt ttactttgtt antttttgca ggatcttata gatccgaatt 60
 cggcagcagc atggtaatcc tgctcagtac gagaaggaac cgcaggttca gacatttggt 120
 gtatgtgctt ggcttgagga agccaatggg gcgaaacctn catctggtgg ggaaggaaag 180
 gaaggcaggg ctggtgggtg gggactgggg taggggtatt agtatcactc ctggaagttt 240
 ccactggctt cttagaaatc taaccagaa antagaaacc taatttttta aagggtgact 300
 gggcaaaaaa aaaaaaanna annnatnnnn annnnannan nnnnnannna nnnanacnnn 360
 cnannatgna cctnnnnnan nntncnnng annnnnnnnc annnnannca tngnaanttn 420
 nnnnnnnnt gaaaaactnn ngncctnaan aaaatngnnn nntntnaat nnnnnncnnn 480
 tnnntnnnn nnttggnnn nnnancnccn nnnnnnnann gnnnaaaaaa aantttttt 540
 tnaaannnn naannnttn nntaantnn acannttttn nngnnnnnaa naannnnnc 600
 ncanannatt gnnntttttt tnnnnnnnn nnnngggggg nngnggggaa ntnttttnna 660
 nnnngnnccc cnngncntnn nnttngggcc cnnnccnt ttttttncc cnnttggng 720
 gnnntttnn cccnnnnnn naaannngnn nnannnnnt nnnnaaaaaa aanntnnnn 780
 nnnnaantnn nnnnnngngg ggnc 804

<210> 2646
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 2646
 gnnnttttnaa nnnnnncagt ntactngtng tttttgcagg atcctatcga ttogaattcg 60
 gcacgagcga gttttttttt ttttttttcc ttcctctctt tctctcttcc ttcctcttcc 120
 cnttctctcg ttctctcccc cctttttttt tggannnagg gttttttttt ngtgncnagg 180
 nctggagtca aggnccaan tncngttaa tngaacctg acntcnnggg ccnangnaat 240
 ccttttaact taancntcn gnaaacnggg nccnngggc catncaaaa aaccaagtta 300
 ngattttttt tttttaaaat ttttgagcaa cagggggatc tcttgggtg gcccaaagg 360
 gcttaaaact cctggcttna aatggatcct cggcctaag cctnccaaag gctaggattn 420
 taagcctaag ccaccacacc cagccattc tttataatta ctttatggtt caaagcagct 480
 tanggttact ggnaaattgn gaagaaattn ccgagttcca catctnccaa ctttgcattt 540
 ttacatgact ggntttctct attctataac ctaataagca tgcttttctt acctnctac 600
 tgaacttttt actaatatat tatctaattg aaatgagcat acccagtnca tttactagaa 660
 ttagatgtgg gactcagaaa taaatctgca ggttggtttg gaccaactnt gggaaaagct 720
 acctcaaatt tgtggagggc caaagnttgc atttgcntn tactggaaca nggggagna 779

<210> 2647
 <211> 793
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(793)
 <223> n = A,T,C or G

<400> 2647

agctcttgtt	cttttgagg	atcctatcga	ttcgcatnng	gcacgagaaa	tattntgata	60
ctgtacccgt	tgtgtgtgcc	atgtgtgtgc	ttaaaacagg	gttccttttt	gtagcatcaa	120
gaatttgagg	aaaccattct	ttatatcaaa	attggcncat	ctttgggang	aatgaatgaa	180
tgaagaacc	ctggagtttt	caatcaaccc	atgccctctt	ggaaagaagg	gagaacncat	240
ttcttttttt	caaccctaaag	aaccacttta	aaaaccttgg	tgtgtgggtg	atgaagtgg	300
gacaagcctc	ttctcccatt	ctggtttgcc	agatagctga	tctggccaat	gaagatctcc	360
acagtgtgat	gtggcctgtg	gtaggggacc	ccgatcatct	ctgagaagtc	ctaagacatg	420
gacttgangt	gtcagaaatg	gctggttctg	agctacctgg	taccccaacg	cttgtctgga	480
cagtgcgtcg	acacattgaa	gatgagtttg	atgcctacat	cattgggtct	ttcgtgaatg	540
ccaccctaatt	gttgtccatt	ggagaaactg	tagaagaagt	gactgactct	nggttcctgg	600
ggaccacccc	gacttggcct	gctnctntatt	aggagatgat	gccttgggtg	aggctatnca	660
natgnattng	gnacatacna	gccgacaaga	aagtcaatga	atggnaaaac	cctggaagaa	720
aacaattgtg	aantgtgcaa	tgaaccanc	gaccagtggg	gaatggcctt	acaggangaa	780
aactggtntn	ttt					793

<210> 2648

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (843)

<223> n = A,T,C or G

<400> 2648

tatnnnatnc	agctcttgtt	ctttttgagg	atccctcgat	tcgaattcgg	cacgaggaaa	60
gaccgagata	gagagagaga	cagagacaga	gagcgagacc	cgtggttcgg	ggncagagaa	120
aggagggaacc	ccccngang	anganganga	nganggganc	cgtgattcac	cagtcccttc	180
caccaaagtg	tttttcaacc	agccgattga	aagaaccgat	tccaggattc	caggggaatt	240
ttgccnngaa	aaggaagggt	nttgaaccgt	naccaagaag	caaagtctga	ggaaaaaag	300
gaaagaaccg	accatttgag	gaaaaggacc	gaccaccagg	ggagaaagaa	ggaaaccag	360
acnttaagtc	ttcttcgaaa	gttattagta	gacgtcgcca	tgaaagtga	agaaaggaga	420
ttgtcacagg	agaccaaacc	cnaaaaatct	aaasgaagct	aaagaaggaa	agaaagcggc	480
agtgagcctt	gcccttgaca	ggagagcccc	gaaactncac	cttcgagaat	agcatgggtt	540
tngccttttg	tgtatattag	taccagaagt	agatactatn	aatcttggtg	ttttctgga	600
taatgtttta	gaaatttacc	ttaaatcttg	gtctgggttg	gtagtatgaa	aagtttaactt	660
ttttttccaa	attaaagagt	gaatttttca	ttgttaagtt	naaaatcttt	gncttgnct	720
atttcaaaaa	ttaaaagacc	gcaatgactt	tntnttccaa	aaaaaaaaaa	aaaaaactng	780
ggcctttaa	cttttgtgag	tcgtnttacg	tanatccnga	cttgtttaga	tccttggttg	840
agt						843

<210> 2649

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 2649

tanacancag	ctcttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgaggggg	60
cggaggcgagg	agaggcgagc	tcgcgatgag	tgggtctggc	aggctcttcg	ggaaggggaa	120

gaaggagaaa	gggccaaccc	ctgaagaagc	aatacagaaa	ctgaaggaga	cagagaagat	180
actgatcaag	aaacaggaat	ttttggagca	gaagattcaa	caggagctac	aaacagccaa	240
gaagtatggg	accaagaata	agagagctgc	cctacaggct	ttgcggagga	agaaaagatt	300
cgaacagcag	ctggcacaaa	ctgacgggac	attatccacc	ctggagtttc	agcgtgaggc	360
cattgagaat	gccactacca	atgcagaagt	ccttcgtacc	atggagcttg	ctgccc aaag	420
catgaagaag	gcctaccagg	acatggacat	tgacaaggta	gatgaactga	tgactgacat	480
cacggaacaa	caggaggttg	cccagcagat	ctcagatgcc	atttctcggc	ctatgggctt	540
tagagatgat	gtggatgagg	atgaactgct	ggaggagcta	gaggagctgg	agcaggagga	600
attggcccag	gagttgttaa	atgtgggcga	caaggaagaa	gaaccctcag	tcaaattgcc	660
tagtgtacct	tctactcatc	tgccggcagg	gccagcttcc	aaagtggatg	aagatgaaga	720
acactaaagc	agttggctga	atgggtatcc	tgataaatct	gggcttgtct	tncta	775

<210> 2650

<211> 879

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (879)

<223> n = A,T,C or G

<400> 2650

gnngnnnnnn	ttnnnnnagn	nnnnnnngnn	nggtttngat	cagctcttgt	cttttgcagg	60
atcccatcga	ttcgaattcg	gcacgagggt	gtattggaaa	gcagtagtgt	ggacgaattg	120
cgagagaact	tagtggaaat	cagtgggatt	cctttggatg	atattgaatt	tgctaagggt	180
agaggancat	ttccctgtgg	atattctggt	ccttngntnt	tcattccanga	atttaanaac	240
tgggaattcc	taaaagt ttt	cttaccctt	gaaatggctn	tgggcccctc	tttttaataa	300
tcctgggtga	atgggaatgg	ttgcccggtt	ccantaattt	tttaattang	gggattttaa	360
aaaaccaaga	aangnaaatt	ttaaatnggg	aaaattttgga	accaggaatg	gaagcccaaa	420
angaaaaatt	ggaaacctgg	gattgnaaaa	aaaanggaaa	aagnccagtt	ccgaactttc	480
ccagaaaaga	acntggggac	canttcgggg	gttaaccant	accttcaacc	ntcgggttaa	540
aggaggaaaa	ggccacctta	aaaaaantat	tantcttggg	attggaagcc	accccaant	600
taaaggaatc	tggacntcaa	ggactggacc	tctggatagg	tggtagccat	tttnccttgg	660
ggggaagttt	ttgggttttaa	ttagatggnt	cacttccact	gggtagtgcc	attttgggcc	720
ggacatgggt	ggggtaccca	tgaccacac	tgatggactg	cctaccctac	agaactcatg	780
cccaatggcc	ctgggttgac	tcggatcatg	ttggcctata	gtcaaatgtc	tgtaagtga	840
anggatgtgc	aaaaataaaa	aaaccccaaa	aagctccna			879

<210> 2651

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (705)

<223> n = A,T,C or G

<400> 2651

cagctcttgc	ntttatgccg	atccctcgat	tcgaattcgg	cacgaggaga	cgctgtctct	60
acaaaaaata	aaattagcca	ggcatgatgg	cctgtacctg	tagtcccagc	tactcaggag	120
gttgataggg	gaggatcacc	tgagcctgcg	aggctcagggt	tgacgcaagc	caagatcatg	180
ccactgtact	tcagcctggg	cgatagagac	cctgactcaa	aacaaagaag	acccagtaca	240
agttcagtg	tgagtgtctaa	agacttaaaa	gagttataaa	gctgaaccct	taatcttaag	300
aggtttataa	gtgagaacaa	gaatctccaa	atcctgtact	gtttaatatc	agcatgagac	360

taaaccactg	tcctaagaag	acaaccttaa	tttgaatcaa	gttatttttag	agtgatgtgt	420
tttctgaggc	agctctcaga	angttattgt	ctggtgttaa	aatagtga	ttgagtaata	480
acaagggttaa	aatcgggtgga	cattaaatac	acacaagact	tcaattgctg	ggtcctccat	540
tgattaatga	aaaaatgatt	gtttttggaa	tttgagtga	acacttctta	atggctgagt	600
anggtggctt	acgcctgtaa	tcccaccact	ttgggatcac	tttgaggccg	ggacttttga	660
gaccagcttg	gncaacatga	ggaaagcacg	tctttctaaa	aatcn		705

<210> 2652

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (709)

<223> n = A,T,C or G

<400> 2652

ttnaatcatg	ctcttgtttc	naancgntgn	catcgattcg	aattcgcacg	aggtggtctt	60
cagtctgtcg	tgcaccgatg	agaactctcc	ttattgctgt	gaagggcaga	caatgcatgg	120
ctgatctact	ctgttaccac	tggttttact	agtgcacgt	cccccggtct	aggatcgaaa	180
tggttaacacc	gggagctctc	caggccaccc	acccggagag	acgtcgcgct	gtggcctgaa	240
gtggcgcaag	cttgctttgt	aaatatctgt	ggccccgatg	tagtgcccag	aacgtttgtg	300
cgaggcagct	ctgcgcccgg	gttccagccc	gagcctcgcc	gggtcgcgct	ttcggagtgc	360
ttgtgacagt	ccttgcccag	tatctagtcc	ccgtcgcgcc	gtgcaggaga	cgtaggtagg	420
acgtcgtgtc	agctgtgcac	tgacggccag	tctccgagct	gtgcgtttgt	atcgccactg	480
tatttggtga	ctttaacaat	cgtgtaaata	ataaattcat	aatgacttct	acctttaaaa	540
aaaaaaaaann	nnntnnnnnn	nnnnnnnnnn	nnnnnnngnn	nnnnnnnnnn	naaaaaaaaa	600
cctngnnaac	nggatgccac	cctgggccna	cgaattttcc	tgccaatgtt	gctcactnng	660
gggacnnct	ggaaggactn	ttttggggnc	ccncanaatt	aaaccttgn		709

<210> 2653

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (740)

<223> n = A,T,C or G

<400> 2653

tgntttnttn	aattatgtct	tcgccttcna	atngntngnn	tcnattcgaa	ttcggcacga	60
ggagaagctg	accttggacc	tgacgggtgt	cctgggtgtg	ctgcaggggc	aacagcagag	120
cctacagcag	ggggcacact	ccaccggctc	cagccgcctg	cacgacctct	actggcaggc	180
catgaaaacc	ctgggagtcc	agcgccccaa	gttgaggaga	aaggatgcca	aggagatccc	240
cagtgccacc	cagagcccca	tcagtaagaa	gcggaagaaa	aagggattct	tgccagagac	300
gaagaagcgc	aagaaacgca	agtcagagga	tggcacgcca	gcggaggatg	gcacacctgc	360
agccaccggc	gggagccagc	cccccagcat	gggcaggaag	aagaggaaca	ggacaaaggc	420
taagggtcca	gcccaggcaa	acgggacgcc	aaccaccaag	agtccagccc	ctggcgcccc	480
cacccgagc	ctgccaaatc	cccaaaactt	gcagaagaaa	aaccagaagc		540
cgtncacagt	gaatgggtgt	cccgggtccc	ccacggaacc	ttgcaggcca	aaagcagcat	600
cagaaggctc	ttcccaaaaa	gggggtcttt	gggcaaatca	ccacttgtec	cgcgcttggc	660
accggaaaaa	nggcaagggc	ttgtcttttg	gtcattcang	gagttccagc	cctgcmttca	720
aaaatggggg	cccaaanaat					740

<210> 2654
 <211> 780
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(780)
 <223> n = A,T,C or G

<400> 2654

ttttncaca	gctggctact	cgttctnttt	gcaggatccc	atcgattcga	attcggcacg	60
aggacagtac	ctttccccc	cctttcatgg	cccatTTTTat	tgtctgcctt	tcagtactaa	120
gtatgaccgt	tcctatctca	gatcttaata	aaaagaaaaa	aaaaacgcat	tcagggttaa	180
tttgccctta	atttaataata	cttgtagca	agcgtgtgtg	acagagagtg	gggaaagcta	240
catcattgaa	tattttgata	aactttaccg	acttgagttt	ggtttatttt	tcccttttcc	300
taaattaact	agcactgact	gtaatttatt	tccctgtttc	acgtctctcc	cttccattct	360
gcaggagtgt	tagctatttg	agatcgtgga	ccatcagttt	tgcactttag	agagtgtttc	420
tgactctaaa	cctgttttat	cagaaaattt	gttttttctt	gatcttagct	ggaaaaatct	480
gccaacttta	cacagtattt	acttggtttt	gaccacaga	atatagcacg	ttgtgcaaac	540
tgtcgattca	gcgaaactta	naaaagacaa	gaaactactg	aggagcttag	taactgctgt	600
ttctgtacgt	agtgtttaat	cttccaagca	catctagtgt	ctgtcagttt	ctaattggca	660
tgtgtaggct	gctctgtgac	tgaagaattt	tcaaaccagc	tttacaccct	tcaggaaaaa	720
atcccttgtg	attggatggt	tactatcngc	cnngaaactg	gtactcaaga	tggtngaacg	780

<210> 2655
 <211> 742
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(742)
 <223> n = A,T,C or G

<400> 2655

ntttgaaacc	ctttgttact	tgtncctttt	gcaggatccc	tcgattcgtt	tcagcccttt	60
gccgccagg	ccaaagggtg	aaagtgattt	ggaagagnaa	gagcttttcg	tccaccagaa	120
aaattgggtc	naaattaanc	ttgnaaggga	ngnaatttgg	gaantggccg	caaggcnaaa	180
agccttactt	ttanngnntt	aatcaantan	gnttggccct	tccngaaagt	aaattttaat	240
ggcttaaagg	ggttancagn	cccaanaaag	ggttnngggg	agcaantccc	agcncancc	300
agggccagtt	aaggcctttg	gtgaactgtg	ctattagggc	ccagcttccg	gtaccctgta	360
ggttccaag	gcctggctta	agcagatcct	tgatcgatat	accttgagan	cagaagggtc	420
tccnaatnac	accgtccaat	aggggatcta	ggacaatctt	ggagatccat	gccttgctgt	480
gttgctgatt	cttactgggg	actgtagatg	aaagggtgga	agatnactta	gcacatcttn	540
aaactatggg	aagncattct	ttctgcttgt	angatttgct	ntgttttgga	aanctttaaa	600
cgtggntnaa	ccctatgtn	ggaattatct	gctttatggg	agcaataccc	tnttttaaga	660
atttgaattn	ancccgaaag	ttatggccgg	taacttaaat	tggttaaacc	tgggcttata	720
acccaaggc	cgggttcaa	cn				742

<210> 2656
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(786)
 <223> n = A,T,C or G

<400> 2656
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 aggttagctc gaggggcaaa taaagagcac aggaatgttt ctgattacac acctctaagt 120
 ctggctgctt ctgggtggcta tgtgaacatc atcaaaatat tactaaatgc aggagctgag 180
 attaactcta gaactggtag caaattgggc atctctcctc tgatgttagc agctatgaat 240
 gggcatacag ctgctgttaa gctcctgtta gacatgggct ctgacataaa tgctcagata 300
 gaaaccaatc ggaacactgc ccttacttta gcctgcttcc aaggaagaac tgaagtgggt 360
 agtcttctgc ttgatagaaa agcaaatgtt gaacacagag ctaagactgg tctcacacca 420
 ctaatggaag ctgcctctgg tggatatgcy gaggtgggccc gagttctttt ggataaagggt 480
 gctgatgtta atgccccctc agttccccctc tcaagagata cagctttaac catagcagca 540
 gataaagggc attacaaatt ctgtgagctt cttattggca ggggagctca tattgatgta 600
 cgtaacaaga aggggaacac tccattgtgg ctgacagcaa atgggtggaca cctcgatgtg 660
 gttcagttac tgggtgcaaag caggtgcaga tgtggatgca gcagataacc gcaagataac 720
 tctctttatg gcagcattta gaaaggggtca tgttgaangt ggggtgcgcct actttagtca 780
 aagaan 786

<210> 2657
 <211> 807
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(807)
 <223> n = A,T,C or G

<400> 2657
 ttnaaantat cgaaactctt tggacttttc gnacgctttg caggatccca tcgattcggg 60
 ccacttncgg cgtngccatg gngggcnaac actactantt cccgtcgcag ctntctgccgt 120
 nagagcntgt ggacaantgt ataggatcaa gaattcacat ccngatgaac agtgatnang 180
 aaatngntgg tactctccta cgaatntgatg actttggnnn tatggtnctg gaagantnn 240
 ctgagnttga aatcacaccn catgaanaan gatgctaaat tanancacat ntngctnaat 300
 ggaaataata taacaatgct ggttcctgga gganannagc ctganntgtg aatgagttnc 360
 cttgacttac actagatttt gttttggctt atnatgacaa naaaatggga tttttttcc 420
 cactttctaa tgnntaaatc ccatanagct aagttncctg ntaagggaa gtgctntgaa 480
 gatgtgtacc catcnttgn agttaancat gattatcctg gaaaaagaan aaaatanctt 540
 cttctttgca gatgaaaata aagggtgtttt tgggttaactg tcnaanaann nnnantgccc 600
 tnaaaaagag ttgnnggggg gcntgactct tataaaatgg atttaatnaa actgtncnan 660
 angcctcccc cccttaaaan ntttggggcg tgtnttccc ttangncccc caaaannntn 720
 nnannccctt tntgggattt tnggcccaca cccccccctt tgaaagggnn gggaaaaaaa 780
 cttntttttt tttgggaaaa tttgtgn 807

<210> 2658
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(777)
 <223> n = A,T,C or G

<400> 2658

tntacataca	ggctacttgt	tctttttgca	ggatcccatc	gattcgtggc	tggtattata	60
ggtgcacacc	accacaccca	actagttttt	tgtgttttta	gtagagatgg	ggtttcatga	120
tggtggccaa	gctgggtctc	agctcctgac	cccagggtgat	ccacccacct	cggcctccca	180
gggtgctgga	attataggcg	tgagccactg	cgcacggcct	ggggagggtt	tattttcttga	240
caaaggtatt	tgatactcgt	gcagaccctg	gaggggtctca	ctggagagac	aacatttagg	300
ctgagatctg	attaacagga	ggcagctgca	gtgcagagg	caaaagggag	ggtgttccag	360
gcagagaaaa	cagcctgtgc	aaaggccctg	aggcagaaac	aaactctact	tgaggctcagc	420
ctggttagaa	aacccaactc	aaaatagaaa	gtattacatg	ataaggctctg	agatcagaac	480
ccaagtctgc	acttcttagt	caegtctctc	ctgtagtgtc	aagcccagag	acctgagctg	540
ttaacctaga	acagtgtgct	tcctaagcct	taatgtgcat	acccatcgcc	tgagctcgc	600
cttaagatgt	aggctctgcc	tgaagcccaa	gttcatttag	tatgtcatgg	ttaattcaga	660
gtaaaatcaa	gagtttagtac	ttgatttatg	cttggtatat	aaagaaagag	acaacttcac	720
tgatgatca	ttttgtcact	tttcaaaagc	atttaattcc	attcaattgg	aaatgtg	777

<210> 2659

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(774)

<223> n = A,T,C or G

<400> 2659

naaaccnnca	gctacttggt	ctttttgcag	gatcccatcg	attcgccgaa	gaaatataac	60
acattttgga	cctacaactc	ttagatcaac	tcttgccctat	gggatgctca	ggctctgtga	120
tcctctacct	tatgatataa	tagtcgatcc	aatgtgtgga	actggggcaa	taccaataga	180
ggggggccact	gaatgggtctg	actgcttcca	tattgctgg	gataataatc	cactggctgt	240
gaatagagca	gcaaataaca	ttgcatcttt	attgaccaag	agccaaatta	aagaaggcaa	300
accctcctgg	ggcttgccca	tagatgctgt	tcagtgggat	atctgcaatc	tgccattgag	360
aactggctct	gtggatatta	ttgtaacaga	tttgccattt	ggaaaaagga	tgggatccaa	420
gaaaaaaac	tggaaccttt	atccagcttg	cctacgggag	atgagccgtg	tctgcacacc	480
taccacaggc	cgagtgttac	taettactca	agacacaaaa	tgcttctacc	agggcttacc	540
tggaatgcga	cacgtatggc	gaaagggtgga	tacagtctgg	gtgaacgttg	gtggtcttcg	600
tgctgcagtt	tacgtttctga	tacgtacacc	tcaagctttt	gttcacctct	cagaacaaga	660
cggagaaaga	ggaactcttt	ggcaatgcaa	agaatgaaga	tgactaatag	tacttgnact	720
tnccaccact	ggaaatgtta	gcataaaaaga	acttgagag	gaaaaaagtn	ttac	774

<210> 2660

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(815)

<223> n = A,T,C or G

<400> 2660

taaacctnca	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgaggc	60
agtgaactgc	ttcggtttt	tttctgctga	ctaagatctc	ctatagagag	ctacaacaat	120
gccccaaaaga	aaggctgcag	gtcaagggtga	tatgaggcag	gagccaaaga	gaagatctgc	180
caggttgctc	gctatgcttg	tgccagttac	accagaagtg	aagcctaaaa	gaacatcaag	240
ttcaaggaaa	atgaagacna	aaagtgatat	gatggaagaa	aacatngatt	cnagtgcctn	300

ancnnttgnt	nnaacccanc	cagaagccat	tngtnnanaa	ganntccatn	gaaannnnta	360
aaantggaga	agccaaantt	ncagaggcac	cagcttntga	aaaagaantt	gtggaagtaa	420
aagaggaaan	tattgaanat	gccacagaaa	agggaggaga	aangaaagaa	gcagtggcag	480
cagaagtaaa	aatgaagaa	gaagatcaga	angaagatga	ngaagatcaa	aacgaagana	540
agggaaactc	tggaananaa	cacagatntg	aaaagggnga	aaaatatgga	anagggttta	600
aatgnggatg	tgaaaaggga	aaatangcaa	gagananaga	atttggaaaa	aangngtgaa	660
cccnvgaaaag	gggatttngg	aaaattttgg	aaaaaaaaan	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnaa	aaaaaaaaacg	ccctttttaa	nacnttttgg	gggggntcnt	tttttcccg	780
aannncccca	nacctttgan	taangaatnc	cnttc			815

<210> 2661

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(815)

<223> n = A,T,C or G

<400> 2661

taaacctnca	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgaggc	60
agtgaactgcc	ttcggtttt	tttctgctga	ctaagatctc	ctatagagag	ctacaacaat	120
gcccaaaaga	aaggctgcag	gtcaagtgga	tatgaggcag	gagccaaaga	gaagatctgc	180
caggttgctc	gctatgcttg	tgccagttac	accagaagtg	aagcctaaaa	gaacatcaag	240
ttcaaggaaa	atgaagacna	aaagtgatat	gatggaagaa	aacatngatt	cnagtgcccn	300
ancnnttgnt	nnaacccanc	cagaagccat	tngtnnanaa	ganntccatn	gaaannnnta	360
aaantggaga	agccaaantt	ncagaggcac	cagcttntga	aaaagaantt	gtggaagtaa	420
aagaggaaan	tattgaanat	gccacagaaa	agggaggaga	aangaaagaa	gcagtggcag	480
cagaagtaaa	aatgaagaa	gaagatcaga	angaagatga	ngaagatcaa	aacgaagana	540
agggaaactc	tggaananaa	cacagatntg	aaaagggnga	aaaatatgga	anagggttta	600
aatgnggatg	tgaaaaggga	aaatangcaa	gagananaga	atttggaaaa	aangngtgaa	660
cccnvgaaaag	gggatttngg	aaaattttgg	aaaaaaaaan	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnaa	aaaaaaaaacg	ccctttttaa	nacnttttgg	gggggntcnt	tttttcccg	780
aannncccca	nacctttgan	taangaatnc	cnttc			815

<210> 2662

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(805)

<223> n = A,T,C or G

<400> 2662

gtngggntnn	nnnttttgna	aacctnngc	tattgttctt	tttgcaggat	cccatcgatt	60
cgaattcggc	acgagggtag	ctggaatcgc	ttgaacccgg	gaggcgagg	ttgtagttag	120
ctgagatcgt	gccactgcac	cccagcttgg	gcaacagagc	aaaactctgt	ctttaaaaaa	180
aaaaaaacaaa	aaaaccaaac	aaacaaacaa	aaaaaacctt	atatgggctg	ggctgggcgt	240
ggcgctcttat	cccacaatc	ccagcatttt	gggaggccag	gatgggagga	tcacttgagc	300
ccagaagtgtt	gagaccagcc	tgggctacag	agtaaggccc	catntctaca	aaaaaacctt	360
aaaaattagc	caggtgtggg	ggcacgcact	gtgggtcccag	ctgtaccaga	ggctgaanca	420
ggaggatccc	ttgagcccan	naggtcaagg	ctgcagttag	ccatatctac	accactgcac	480
tccagcctgg	gcaacagcct	gtctcaaaaa	ctaaactaaa	aaccttatat	gttnttggtta	540

gaatnaaatt	agatatacaa	aaagaggggc	cgggcagggt	ggctcacgcc	tgtaatccca	600
gcactttggg	angctgangc	aggtgaatta	cttgagggtca	tngagttccg	agaccagcct	660
gaccaacatg	gngaaaaccc	tgtctatact	aaaatntaca	aaaatcagtc	tancggttgg	720
nggtgggcgc	cttgtaattc	ccanctattc	tggcaggctn	angcaangat	aattgnttcn	780
atccccggaa	ggcaataggt	ttccc				805

<210> 2663

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 2663

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gttttctctg	gattagtgtt	tttgggtgtg	ttttattttt	tttcttacag	gaactcttgc	120
aagaagaaag	gactatgagt	tcaactttag	agggagccat	ggggactaaa	caaaattctg	180
aggccccctc	aaccatctaa	atggacttcc	ttctgggcca	ggacactcga	aaattaaacc	240
tgaaagactg	gttcaggcca	tgatgggaag	tgggagtcga	acatgcctca	tcataccctc	300
cagcattaac	atcaacacag	accttaaggc	tgataagaag	catttacaat	ctattctctc	360
tgaagtcttc	tacctggagg	cttcatctgc	atgataaaac	tttgggtctcc	acaacctctt	420
acaaccagag	cattcctttc	tatcgataat	tactctttca	accaattgcc	aatcagaaaa	480
ttgttatatc	tacctataat	ctagaagccc	ccacatcaag	ttgttttgcc	tttctggaca	540
ggaccaatgt	atatctttaa	tgtatntgat	tgatctctca	tgtctcccta	aaatgtataa	600
aaccacgctg	ttccccgacc	acctggagca	catgttctca	gggtctcctg	anggctgtgc	660
acaggccatg	ttcacttaca	tttggctcag	aataaatctc	ttcanataan	aaaaaanccc	720
ccnccncccc	ccccccnacc	cacaaaaaac	ctcngccctt	taaaactttt	gnnggngcg	778

<210> 2664

<211> 961

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(961)

<223> n = A,T,C or G

<400> 2664

gnattccgta	aacgtacngt	gttctttttg	caggatccca	tcgattcggt	tttaatagtc	60
attccaaata	tgagatgcat	tgttacagga	agtcccttgc	cattcctaaa	gccacccccc	120
ttctctctaa	ggagaatggc	ccagtcctct	cccaagtcca	cacaggggag	gtgatagcat	180
tacataattt	acacgaaagc	aatgctatca	cctnncnagn	gtggacttgg	gagngggnng	240
cttngnttnc	nnttgagtga	tgannctnct	nnnnncnctt	nccntcttnt	tngnnccnna	300
ncttgcatnn	ntnnnngctt	cnnctnctnt	nngaccgmn	ngnnnnncnn	ccnnncttcc	360
nntncnnntt	tnntncnnnc	cnntnnnacn	nacnnncnct	cttannnnnc	ccnnncnnnn	420
ncnnnnnnnc	ccnnnnnnnc	ccnnnnnnnc	tnccnnnnnn	ccntctnnnc	nannnnnnnt	480
nnntcnnnnn	nnnctnnnnn	nnnnnnntct	nnnnnnnnnn	nnccnnnnnn	nnnncnnnnn	540
nnntnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnntcnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ccnnnnnnnn	660
nnnnnnnnnn	nntcnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nctcnnnnnn	720
nannnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
tnntcnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840

tctnttctntn nnnnntctn cnnnccnnc tatecnatnn tncntcntnn cctncnccc 900
 nnnnnntnnn ctcnncatc ntcnncatc tnnctcenn annttncnt nttnecccc 960
 g 961

<210> 2665

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (790)

<223> n = A,T,C or G

<400> 2665

aattttcaag ctcttgtttt ttatgcagga tcccatcgat tcgctgggtct ccaacctggt 60
 ctccctgggt caagcgatcc gccgcctcg gcctcccaca gtgctgggat tccaggcgtg 120
 agctaccgcy cccggcctat ttacttttct tactaagctg gggatcacccy tcgccctcgg 180
 cttggcagga aggcgggggt gcaagaagaa aagaggtaga gaacaccag aggtgccctc 240
 gattccgtct tgcacttgcc cttctccac cgtccagcaa taaagcgaga gaaacaagt 300
 caggaaactg gccggcagtc atgggagaag ccaaaaagac aggagttcag tggcatgacc 360
 agggctcact gcaaccttga tctgggtcga agtgatcctc ctacctcaac ttctgagta 420
 gctaggacca cagggtgtgca ccaaccacac ccgactaatt tttgtagaga tgagatcca 480
 ctatgttacc caggctggtc ttgaactcct gggctcaagt gatcatcctg ccttggtctt 540
 ccaaaagtact gggattatan gcttgagcca ccgctgcctg gcctgtgatc aaaattctca 600
 tttttttagt cactaaaaat gctggggggc actccattct ncattatgtg attagttcac 660
 attgcatgct tgtatcaaaa cattatatnt tccccncaa atttntncca aaaactttta 720
 aattttaagt atttaattgg ttcaggaaaa aaataaaatg ctgggggggc tgaaatctca 780
 angggcccat 790

<210> 2666

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 2666

tttaaanctt tcatttanag ccttttgtag gatcccatcg attcgaattc ggcacgaggt 60
 ttgtgcatca cttggtcacc attgggtcta tctcctctn ctacatcaac aatatgggtc 120
 gagtgggaac tctgatcatg tgtctacatg atgtctcaga tttcttgctg gaggcagcca 180
 aactggccaa ttatgccaag tatcagcggc tctgtgacac cctttttgtg atcttcagt 240
 ctgtttttat ggttacacga ctaggaaatc atccattctg gattctgaac acnaccctct 300
 ttgagagttg ggagataatc gggccttatg cttcatgggt gctcctcaat ggcctgctgc 360
 tgaccctaca gcttctgcat gtcactgtgt cctacctaat tgcacggatt gctttgaaag 420
 ccttgatcag gggaaaggta tcgaaggatg atcgagtgat tgtggagagc agctcaaagg 480
 aagaagatgt gaccacctgc acaaaaagtc cctgtgacag tagctccagc aatggtgcca 540
 atcgggtgaa tggcacatg ggagcancat actgggctga anantaagggt ggttgctata 600
 gggacttcag cacacatgga cttgtanggc cctggcaaca tactcctctt ggcccttcca 660
 tatctactct tntgtgaatg ggagactgca angcactgan ggagtatcaa aagaagcaaa 720
 ttttttctact tttgaaagaa aactgncatt ttgtntttaa tagcctccaa gttcnttn 779

<210> 2667

<211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (750)
 <223> n = A,T,C or G

<400> 2667

tatnntatca	agctcttggt	cttttgcagg	atccctcgat	tcgagaaaat	gtgggatcaa	60
gaaaaggacc	atttgaaaaa	gttcaatgag	ttgatgggta	tggtcagggt	ccggccaaca	120
gttctgatgc	ccttggtgga	cgtgctggg	tttgactgg	ggcgggggac	cgccttgctc	180
gggaaggaa	gtgccatggc	ctgcaccgtg	gcggtggaag	agagcatagc	acatcactac	240
aacaaccaga	tcaggacgct	gatggaggag	gaccctgaaa	aatacgagga	acttcttcag	300
ctgataaaga	aatttcggga	tgaagagctt	gagcaccatg	acatangcct	cgaccatgat	360
gcagaattgg	ctccagccta	tgcgctcctg	aagagcatta	tccaggccgg	atgcagagtg	420
gcgatataat	tatcagaaa	attataaagt	gtgtccagtt	ttgcctgtct	ataaaagatg	480
atagtaattt	accaagtgc	atttgcagag	aaacagggtg	acagttatcg	ttgtactttt	540
gtacaatgtg	aattttgtta	ataaattatn	agggttggtt	tttttttnaa	aanangaana	600
nnnnnnnanga	aaactcgagc	ctctaaaact	atagtgaagc	gtntacgtaa	tcngacatga	660
taaaaacatt	gntgatttgg	caaccacact	ngaatgcag	aaaaatgctt	atttngaatt	720
gngatntntg	ttattgacca	tatactgata				750

<210> 2668
 <211> 820
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (820)
 <223> n = A,T,C or G

<400> 2668

gnnnnnnnnn	ntttaatant	tatcanctct	tggtcttttt	gcaggatccc	atcgattcga	60
attcggcacg	agaagcagct	tggggctcac	tccccctcca	ccttgctgac	caccctcatg	120
ttctttaata	ccaagtactt	cctattgaag	acagtggacc	agcacatgaa	gctggccttc	180
tccaaggctc	tgcgacagac	aaagaagaac	ccctctaate	ccaaggataa	aagcacgagt	240
atccggtact	tgaaggccct	tggaaacac	cagactggcc	agaaagttac	agatgacatg	300
tatgcagaac	agacggaaaa	tccagagaat	ccattgagat	gtcccatcaa	gctctatgat	360
ttctacctct	tcaaagtccc	ccanagtgtg	aaaggccgga	atgacacctt	ttacctgaca	420
cctgagccag	tgggtggccc	caacagccca	atctggtact	cagtccagcc	tatcagcaga	480
gagcagatgg	gacaaatgct	gacgcggatc	ctggtgataa	gagaaattca	ggangccatc	540
gcagtggcca	atgcaagcac	tatgactga	gatgccttgg	ccatggcaca	aagagaaacc	600
agccaggaaa	aaccagacag	actttcacac	taaagaagaa	gccctccatt	tttttttttt	660
ctttttttta	ttggggggag	tttacnaaac	ctttcaaggt	tgctttttgt	ttnaaaatat	720
taaaaagaaa	acnttttaaa	aaaaaaaaaa	aaaaaaactt	ggagcccttt	taaaactatt	780
agtggggctg	tnttacnta	aaatnccana	cttgataaan			820

<210> 2669
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 2669
 tatntataca gctacttggt ctttttgcag gatcccatcg attcgtggag gtctcctttc 60
 gccccagccc aggtggccaa gcccacctcg gcctcagaac atgctgagca cattttgtag 120
 ggtggcacct ttttatccaa gttactagct acacatcant gtttaaagag aaaaaagtga 180
 cctttcattt ttttttcttg aaacttgagg aaacaagata catactactg attttttttt 240
 tcttaaaact aaatgcatga ctgcagangg tagagggtga tatttttcat actgtggggc 300
 aaagtatttg tgctgctttt tggagatgga ctggaacgtc tggtttctgt ccccnngccc 360
 ggcagctacg tctattttct gtanaagggt ccacagttag acctggagcc accccttct 420
 gccctggcgc cgtttanagc tgggancccg tggactcccg gcctgtttct accttctatt 480
 caaccactct gacgtgggga gacaaaaaca aataaaactt tttgatagtg tggtaaaaac 540
 attgatttga actatttttag taaaaggagt gacaaaacaag aatgtgatag tgtctacttt 600
 gagctaaata ataaangcct ctttgtgaac ctntctgggt ttanngcang gcnnnaaagt 660
 ttttnnaaaa atgngnannn aaactnganc cttnaaaaac tntanggagg cgtnttccct 720
 tantncccgga catganaaaa aacctttgat gnggtttngg ncaaaccccc aacttanaan 780
 gccgtggna 789

<210> 2670
 <211> 780
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (780)
 <223> n = A,T,C or G

<400> 2670
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 tttacagcgc cttgtgcagc cttagatttt aatattcttt tgctattggt acatctcata 120
 gagtaaagct cttattacct tgatcctgag tcagaaatcc cacctgaaat cacctttttt 180
 cccctctgat caaacctccc atccttcagc taccatactg ttgctacagg gatcttctgg 240
 actgtggccc ctgtcccag gttggcncct tcagttcagc acagcctgag cagtgagaag 300
 gtctgaaagg agagtatata gntaagatcc ttgagaaagg gctgcctgag gaactgacct 360
 cttaaagatc tcaggatctt taagacaaca agttagggtc ctactggagt tacctgccag 420
 aatggcctct taattaactc angtaatgaa gagctaactg tgttataatc atcttgcttt 480
 tgctgaatt tggagaaagt attataatta aagttcccag tatcagaaat gtccttacat 540
 aagattaaaa tatcttggtg actaatacca ttctatgaga aagagtagtt atttgcccag 600
 actgtattaa tttacttttag aaactaatgt ttgaagtaat ggaaaaaatt ttaaattatn 660
 aagctaaggg caataacatt tgctacttat ttatagaatt atttgaaaaa atttgntttg 720
 aagtaatgct ttaaggagtn taagatatcc aagataaatt atactatnaa atgattttatt 780

<210> 2671
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (749)
 <223> n = A,T,C or G

<400> 2671

tcaaatntnn	ntaancctt	tttaagatca	gcacttggtc	ttttgcggat	cnntccatgg	60
gtagaangga	tgctcgtacc	nnnaaganca	ntaccgagac	gtgcagctgt	ccaaggctct	120
gtcctatgcc	ctgcgccatg	gggccttgaa	gctggggctt	cccatgggag	ctgatggctt	180
cgtgcccttg	ggcaccctcc	tgcagttgcc	ccagttccgc	ggcttctctg	ctgaagatgt	240
gcagcgcgtg	gtggacacca	ataggaagca	gcggttcgcc	ctgcagctgg	gggatccag	300
cactggcctt	ctcatccggg	ccaaccagg	ccattccctg	cangtaccta	agttggagct	360
gatgccctg	gagacaccgc	aggccctgcc	ccgatgctag	tccatgggtac	attctggaag	420
cactggccat	ccatcctact	caaaggcctg	tccctgccagg	gaaggacgca	cattcacctg	480
gccccaggac	tgcttgaggc	cccggtatca	tcaagtggcat	gcggncctat	tgtgaaatag	540
ctgtgtcatc	gatggaccct	ggctctggca	gatggaatac	ccttcttccg	ttctgccaat	600
ggggtgattc	tgactccang	gaatactgat	ggcttccctc	ttccaagtcc	ttaangangn	660
cctgancttc	nccttaccga	aagcccttcc	cttggctggn	gatgaaaaaa	caantgtcan	720
aatancccca	agcacagttc	canaaaaaag				749

<210> 2672

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (782)

<223> n = A,T,C or G

<400> 2672

ttnnntanta	aaccctctnn	ntactcgttt	ttangcncgt	tcccatcgac	togaattntn	60
cacgaggacc	agggtcact	gcaaccttga	tctgggctca	agtgatcctc	ctacnncagc	120
ttcctgagta	gctaggacca	caggtgtgca	ccaaccacac	ccgactaatt	tttggtagag	180
atgagatccc	actatgttac	ccaggctggt	cttgaactcc	tgggctcagg	tgatcatcct	240
gccttggtt	ccaaagtact	gggattatag	gcttgagcca	ccgtgcctgg	cctgtgatca	300
gaattctcat	tttttttagtc	actaaaaatg	ctgggggggc	actccattct	ccattatgtg	360
attaagttca	cattgcatgc	ttgtatcaaa	acatcatata	tacccacaaa	atatatacaa	420
aaaactttaa	aattttaagt	attaattgct	cangaaaaaa	ttaaaatgct	ggggtgctga	480
aatctcaagg	gccccattac	aaaactcctt	angaacctcg	ccctcttntg	ctgtaaggac	540
tggttccaga	atgagagaat	tanaagacat	tcccgccaaa	atgtcataat	gtcaccccg	600
aaacctgcga	atatgttata	ttacatgacc	anggagaant	aagggtgcan	atggcagtaa	660
gggtgcta	gggtgacct	taananaagg	agatgatcct	ggattatctg	ggnggaccca	720
atgtaatcac	aagggtcctt	actggggaaa	atgaggnggc	tgatcaaaag	caantgatca	780
tg						782

<210> 2673

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 2673

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tattttctcac	aatagtaata	atggttacaa	ttgactacct	tgtnggagtt	ccatctccta	120
aacttcatgt	tccatgaaaa	tttgagccta	ctcatccaga	gagaggggtg	atcataagcc	180
cactggggaga	taatccttgg	tggaccttat	taatagctgc	tattcctgct	ttgctttgta	240
ccattctcat	ctttatggat	caacaaatca	cagctgtaat	tataaacaga	aaggaaacaca	300

aattgaagaa	aggagctggc	tatcaccttg	atttgctcat	gggtggcggt	atgntgggag	360
tttgctctgt	catgggactt	ccatggtttg	tggtgcaac	agtgttgcaa	taagtcatgt	420
caacagctta	aaagttgaat	ctgaatgttc	tgctccaagg	gaacaaccca	agtttttggg	480
aattcttgaa	cagcnggtta	caaggcta	gatttttatt	ctaattgggcc	tctctgtgtt	540
catnacttca	gtcctaaaga	ttattccaat	gcctgttctg	tatgggggtt	cctttatatg	600
ggagtttcct	cattnaaagg	aatccagtta	tttgaccctg	atnaaatatt	tggaatgcct	660
gcttaagcat	cagcctgatt	tgatatacct	ncgttatgtg	ccgctctgga	aggccatatt	720
ttacagtcac	tcagcttact	tgtttgggtc	ttttatnggt	gataaaaang		769

<210> 2674

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (790)

<223> n = A,T,C or G

<400> 2674

aattttcaag	ctcttggttt	ttatgcagga	tcccatcgat	tcgctgggtc	ccaacctggg	60
ctcctgggct	caagcgatcc	gcccgcctcg	gcctcccaca	gtgctgggat	tccaggcggtg	120
agctaccgcg	cccggcctat	ttacttttct	tactaagctg	gggatcaccg	tcgccctcgg	180
cttggcagga	aggcgggggg	gcaagaagaa	aagaggtaca	gaacacccag	aggtgccctc	240
gattccgtct	tgcacttgcc	cttctcccac	cgtccagcaa	taaagcgaga	gaaacaagtg	300
caggaaactg	gccggcagtc	atgggagaag	ccaaaaagac	aggagttcag	tgcatgacc	360
agggtcact	gcaaccttga	tctgggtc	agtgatectc	ctacctcaac	ttcctgagta	420
gctaggacca	caggtgtgca	ccaaccacac	ccgactaatt	ttttagaga	tgagatccca	480
ctatgttacc	caggctgggc	ttgaactcct	gggctcaagt	gatcatcctg	ccttggcctt	540
ccaaagtact	gggattatan	gcttgagcca	cccgtgectg	gcctgtgatc	aaaattctca	600
tttttttagt	cactaaaaat	gctggggggc	actccattct	ncattatgtg	attagttcac	660
attgcatgct	tgtatcaaaa	cattatatnt	tccccncaa	atttntncca	aaaactttta	720
aattttaagt	atttaattgg	ttcaggaaaa	aaataaaatg	ctgggggggc	tgaaatctca	780
angggcccat						790

<210> 2675

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (784)

<223> n = A,T,C or G

<400> 2675

tatactatca	gctacttggt	ctttttgcag	gatcccatcg	attcgtgtgt	ctccaacctg	60
gtctcctggg	ctcaagcgat	ccgcccgcct	cggcctccca	cagtgtgtgg	attccaggcg	120
tgagctaccg	cgcccggcct	atttactttt	cttactaagc	tggggatcac	cgtcgccctc	180
ngcttggcag	gaaggcngng	gtgcaagaag	aaaagaggta	cagaacaccc	agaggtgccc	240
tcgattccgt	nttgcacttg	cccttctccn	accgtccanc	aatnaagcga	gagaaacaag	300
tgcaggaaac	tggnccggcag	tcatgggaga	acaaaaaaga	caggagttca	gtggcatnac	360
canggtcac	tgcaaccttg	atctgggtc	aantgatcct	cctacctcag	cttctgagt	420
agctangacc	acaggtgtgc	accaaccaca	cccactaat	ttttgtagag	atgagatccc	480
actatgttac	ccaagctggc	ttgaactcct	gggctcangt	gatcatctgc	ttggctncca	540
aagtactggg	attataggct	tgagccaccg	tgcctggcct	gtgatcaca	ttctcatatt	600

tttantcact	aaaaatgctg	gggggcactc	cattcttcat	tatgtgatta	gatcacattg	660
catgcttgta	tcaaaacatc	atatnttacc	ccacaaatat	atacaaaaaa	cttnaaat	720
taagtattaa	ttgctcanga	aaaaaataaa	ngcttggggg	gctgnaaact	tnaaggggccc	780
catt						784

<210> 2676

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (784)

<223> n = A,T,C or G

<400> 2676

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gtctcctggg	ctcaagcgat	ccgcccgcct	cggcctccca	cagtgtctggg	attccaggcg	120
tgagctaccg	cgcccgccct	atttactttt	cttactaagc	tggggatcac	cgtcgccctc	180
ngcttggcag	gaaaggcnng	gtgcaagaag	aaaagaggta	cagaacaccc	agagggtgcc	240
tcgattccgt	nttgcaactg	cccttctccn	accgtccanc	aatnaagcga	gagaaacaag	300
tgcaggaaac	tggnccggcag	tcatggggaga	acaaaaaaga	caggagtcca	gtggcatnac	360
canggtcac	tgcaaccttg	atctgggctc	aantgatcct	cctacctcag	cttcctgagt	420
agctangacc	acaggtgtgc	accaaccaca	cccgaactaat	ttttgtagag	atgagatccc	480
actatgttac	ccaagctggc	ttgaactcct	gggtccangt	gatcatctgc	ttggctncca	540
aagtactggg	attataggct	tgagccaccg	tgctggcct	gtgatcacia	ttctcat	600
tttantcact	aaaaatgctg	gggggcactc	cattcttcat	tatgtgatta	gatcacattg	660
catgcttgta	tcaaaacatc	atatnttacc	ccacaaatat	atacaaaaaa	cttnaaat	720
taagtattaa	ttgctcanga	aaaaaataaa	ngcttggggg	gctgnaaact	tnaaggggccc	780
catt						784

<210> 2677

<211> 818

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (818)

<223> n = A,T,C or G

<400> 2677

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cgctgtttgg	ggatgtggcc	atggtggtgg	aattcttgag	ctgttattct	gggtactttt	120
taccagatgc	tcagtatcct	attactgctg	tgcccttat	ggaagccttg	agtgcagata	180
aggggtggctt	tttatacctt	aacagggtgt	tggtcatcct	cttacagacc	ctcctacaag	240
atgagatagc	agaagactan	ggtgaattgg	gaatgaagct	gtcagaaatc	cccttgactc	300
tgcattctgt	ttcagagctg	gtgcggctct	gcttgccgag	atctgatgtt	caagaggaaa	360
gcgagggctc	aaacacagat	gacaataaag	attcactgca	tttgaggata	atgaggata	420
agatgagttc	ctagaaaagc	tgagacctc	tgaatttttt	gagctgacgn	cagaggagaa	480
gtacagatc	ttgacagcac	tggtccaccg	gattcctcatg	acatactcag	tgcaagacca	540
catggagacc	cacagcaa	gtctgcacag	ttgtggaang	aaccgcttgc	tgtgtttgaa	600
aggaagaaaa	tgattaagaa	gaagagcnng	antaaaccgn	aaaccgggaa	agaaaaatggg	660
aagnccaaaa	aaaaaaaaaa	aaaaaaaaact	cgaaccctct	taaaaaactat	nagtnaggt	720
ccgtattacc	gtttgaatnc	nggacnttga	atnagaaacc	attggatgga	gttttggnc	780
aaaaccccaa	ncttagaat	ggcngnggaa	aaaaaatg			818

<210> 2678
 <211> 875
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (875)
 <223> n = A,T,C or G

<400> 2678
 ttnannnnnta tacaactact tgttcttttt gcaggatccc atcgattcga attcggcacg 60
 agggcacgag gcactaagca ggctagtgtc ctcagcttcc cggcctcccc ttccaggccg 120
 ctgccgcctg accctgtgtc caagagactc caggctgagc tggctgaccg acccaatccc 180
 cctaccgcgc ctctgcccgc tgacccggtg gtgagaagcc cgaagtctca ggggccagcc 240
 aagccccac cccaaggaa gccactgcct gccgacccc agggccggtg cccatcggtg 300
 gacctgcccg cccaggggct ggaatcccgc cctagtgtg accctccaga ccaagcgcca 360
 ccgncttcga cagtgtctc getctacctc tgacctctcc ggagggtccg ctgctccaag 420
 ccggacttaa ggcttcaaga ggcgggcgtg cctctggag tcccctacca tgactgaagg 480
 cgccagagac tggcgtgtc ttaanacttc gggcacccg acgcgtgtc aagcaacaac 540
 tctgcggacc ttcccggcgt aatttgcaac cgggggcttg ggggaagggg cttgggggtt 600
 tggaaccggg attgaaggaa aggtncgcga caaacctggt ctttttgntt caaatttgcn 660
 aataaaaacg ttgnacaatt ntttggggga agccggtttt nnnnnnnnan aannnnnnnn 720
 nnnnnnnnnn nnnnnnnna anncccttcg aagccctttt taaaaaactt tttaggggag 780
 gtcgnantta acgttnnaat nccnaaaacn ttgattaaag aataccattt ggttgaaatt 840
 ttggggacna aancccaaaa anttagaaat ggcgg 875

<210> 2679
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (772)
 <223> n = A,T,C or G

<400> 2679
 nnnnnnnccc nnnnggnng nnnagnggg gtannnnnttt ntactaangn tgtgnganct 60
 cgtncctctc gcaacagccc ggcgggtcga attcggcacg agtccaagag gagaagcatg 120
 ttccaaaacc cttaactttg ggaatttaga actagctttt ttactatctt ctgcacagca 180
 taacttcagt ctccctttac taattcaagg aaatctcagt gaacaaattg tataagggtg 240
 gatgagctaa aagctcactg agtcattaat ttgtcataac tcatctaaat acaatgatta 300
 ggcttggtgta ggtgtcccta gtttctcttt ctaaactcatg tcttagtagg gacagagcaa 360
 taatgggtgga tcgtggcaac ggaaggaag atgatgtgtc agttatctat tgctgtatga 420
 cagtcacaaa accttagtac ttactacaga aacaatgatt tgtcacattt tgtgggttgt 480
 ctggatggtt gttttgctta tatgggtgcag gctgagatta ctcatgcagc ttcacagttc 540
 ttttgcttat atgggtgcang ctgagattac acatgcagag gaaagatggg ctctgntcct 600
 cattcgatat cctggggcct tgggtcgggt tgtggcaatg gcgtcttggg tctccatgtg 660
 ccgncctctc agcaggataa cctgtntttt tctcacacca tgacactggg gttccaggan 720
 natcaancca nnancngcta naccattan naactaggcc ccaaaanttg ct 772

<210> 2680
 <211> 768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (768)
 <223> n = A,T,C or G

<400> 2680
 ttntatcagn tcttggtttt ggggatccct cgattcgaat tcggcacgag agatgggtta 60
 aaacttaaat gtcacatctg aaacagtaaa aatcctagaa gaaatcctag gaaaaactct 120
 tctggacatt ggcctaggca aagaatttat gatgaagacc tcaaaagcaa acataacaaa 180
 accaaaaata gacaaatgag atttaattag aaaaacttct gcacagtaaa agtaataatc 240
 aacagttaat agacaacctg tggaatggga gaaaatatat gttaaattata catctgacaa 300
 agaactaata tccagaatct acaaagaact cacaagaaaa aaaccaaccc cacaagcggg 360
 caaaggacat gaacagacat ttcccaaaaag aagacatata agcaacctaa aataatctaa 420
 aataattttt aaaaagaaaa aatgcttgac agagttttga tagtacttag taaaaagtta 480
 tatctagtgg ctttttgntt gnttggtttt gnttggtttt taagaggtag tctctgtttc 540
 ccagctggag tgcagtggcg caatcttttg ctcgctgcgg cctcgaactc ctgggctcaa 600
 gcgaccttc agcctcagcc tnccaagtag ctgntatagg catgcccccc ccttcgcgact 660
 natnatctgc tatcaatata taatggttnc ctttggttta tttangaaat aacactttta 720
 tgcttttgaa aaaaaaaaaa aaaaaaactc gagcctntan actntgtg 768

<210> 2681
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (790)
 <223> n = A,T,C or G

<400> 2681
 tttnnnttt taaattatca gcttttggtt tttttgcagg atcccatcga ttctgtggag 60
 gcagagccca agtttcaagc tttccctgtc cagtggaaag aagactaacc tcaccagcca 120
 gtcacttaca acaaactctg ctggttctcc gggatcacct ggatccccag gatctccagg 180
 ctctccttga tccgtacctg aaaaatacat tcagacggga gctattacta gaaaggagg 240
 cctctgtggg ctggttagatt atcctgatga tgatgaagat gatgatgagg atgaagataa 300
 ggaagatacg ttccattgtc aaagaaagca aaatttgatt cataataatg gcaacggcct 360
 angatcagta cctgttgaaa aaaactgggt ctccaccctc ccccatataa aaatccacaa 420
 aaaagcgcag tggctctctg tgaatgactg acacagatca gcctcttaca cttgacttct 480
 gctcatcaag tgccaattca atggagcagg aggaggggat atcatatatt taggggaaag 540
 acttaagcct ttgagctctc cagcttgga cacacattgc cttttntna ggggaaggaaa 600
 tggaaacaaa aagccaacag ggcaggggtt ttgtaaagtg gaactcttgg attgactggt 660
 cagttgtctac aatcaaaata tgctttcttg gaccatgttt gagactcaaa anaatgggcc 720
 ttctgncata attctttact tagtcaagaa tgccacagtt tcttttgtnt aaaaaacctg 780
 nctttnaaat 790

<210> 2682
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (709)
 <223> n = A,T,C or G

<400> 2682

cagcnccttgc	tcttttgca	ggatccctcg	attcgcccaa	atggacactt	tgcttgcaagg	60
tgatgctgcc	gaatgaatac	ccagggtacag	ctccacctat	ctaccagttg	aatgctcctt	120
ggcttaaagg	gcaagaacgt	gcggttttat	caaatagcct	tgaggaaata	tatattcaga	180
atatcggtga	aagtattctt	tacctgtggg	tggagaaaat	aagagatgtt	cttatacaaa	240
aatctcagat	gacagaacca	ggcccagatg	taaagaagaa	aactgaagag	gaagatgttg	300
aatgtgaaga	tgatctcatt	ttagcatgtc	agccggaaag	ttcgggttaa	gcattggatt	360
ttgatatcag	tgaaactcgg	acagaagtag	aagtagaaga	attacctccg	attgatcatg	420
gcattcctat	tacagaccga	agaagtactt	ttcaggcaca	cttgggtcca	gtggtttgtc	480
ccaaacaggt	gaaaatgggt	ctttccaaat	tgtatgagaa	taagaaaata	gctagtgcc	540
cccacaacat	ctatgcctac	agaatatatt	gtgaggataa	acagaccttc	ttacaggatt	600
gtgaggatga	tggggaaaca	gcagctggtg	ggcgtcttct	tcattctcatg	gagattttga	660
atgtgaagaa	tgtcatggtg	gtaagtatca	cgctggtatg	gagggatttc		709

<210> 2683

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (780)

<223> n = A,T,C or G

<400> 2683

tatatttata	canctcttgt	tctttttgca	ggatcccatc	gattcgatac	actgcatttg	60
ctggtgctgt	ttttatatag	tgaagcaaca	gctgtcagca	aaataataaa	atactcactt	120
cttcgttaaa	aaaaaaaaaa	tttacttctt	acaattcttg	aggccaggaa	gaccatgac	180
aggtgccagc	atctgggaag	ggccttcttg	ctgtcctccc	atggcagaag	atggaagggc	240
aaggagagc	taacatgctc	ccgcaaacc	tttttataat	ggcatcaatc	aaatatgagg	300
ccagagtcct	tgtgacctaa	tcattctccc	gaaggctccg	cctcccaacc	ctgttgcat	360
gggattaagt	ttccaacaca	tgaattgttg	agacaacaca	ttcaaaacat	agcattccac	420
accttgggct	ccccagattc	atgtctcac	atgcaaaata	aattcattcc	atcccaatag	480
cccctaaaaa	gtcttaactt	gttcacgcat	caactttaaa	gtcaaagtcc	aaagtctcat	540
ctaatcaga	tatgagtgag	actcaaggca	tgtttcatca	tgagacaaat	gatgttcatt	600
tgcaatgttt	gtcatgtcag	acaaaacaaa	aatatgtaaa	tatccatcaa	tangggaaact	660
gctggaaaaa	tttttttgn	taatcataaa	atgaaacatg	ccgatgttta	aaccaatgga	720
gctagatctc	aacgtgctga	tattggaaat	gcttcaaaat	gtnttaangg	acataaaata	780

<210> 2684

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (777)

<223> n = A,T,C or G

<400> 2684

ttnnnnnttt	aatnnnatac	agctcttggt	ctttttgcag	gatcccatcg	attcgaattc	60
ggcacgaggg	ggactgggg	tctatttcac	ccctgcagtc	tcgaccataa	gagatggcta	120
caccagggg	gagcagttca	gagaccact	cccagggtgtg	cattctcttt	ctcaaggatg	180
ttccttgctg	agaaaaagaa	ttcagtata	tttctcccat	ttgcttgatga	aagaagagaa	240
atgtggcttt	gttcacactg	gttcaccggc	ggcagaattt	aaggttatct	ctcttgtttc	300
ctaaacattg	ctgttatcct	gttctttttt	caagggtgcc	agatttcata	ttgctcaaac	360

acacatgctg	tataatthgt	gcagttaatg	caattattac	agggtcctga	ggtaatatatac	420
atcctcctca	gctgacagga	ttgagagatt	aaagtaaaga	caggcatagg	aaatcacaaag	480
ggtattgact	gggaagtga	taagtgtcca	tgaaatcttt	acaatttatg	tttagagatt	540
gcagtaaaga	cangcataag	aaattataaa	aagtattaat	ttgggggaact	aataaatgtc	600
catgaaacct	tcacaatcca	tgtttttctg	ccatggcttc	aaccagtccc	cccgtttggg	660
gtcctgactt	nctgcaacaa	tgtcctgcag	gaaaagttht	tctttatatc	cagtttttac	720
atgatgaata	tttccaatat	tcatagttat	gangctgaat	nctcttgaat	ttatnaa	777

<210> 2685

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 2685

tatthttatca	nctctgttct	ttttgcagga	tcctctgatt	cgthtaagga	aaaccagcaa	60
ataacaagaa	aaccatttaa	tgtaaagatt	tgtaaataat	cacttcaaaa	gaagtgcctt	120
gttgctgtca	catttagtcc	atcttcatat	aattcttatc	tggtccagtt	tcttgggcat	180
gggacatgtg	cagttacaca	agcctgtgct	cttaagaggg	tcttaccat	agtttaaatgt	240
tctgctgttg	tagtcttgaa	attcttaatg	atttaacaag	gggtcctcca	ttttcatttt	300
gcactgggcc	ctgcaaatta	catagcccat	cctgatttct	acaactatag	aatagcacia	360
tggaattcc	atatggatta	ataatatgtg	acacttacgg	ctttttctat	acgtctccaa	420
gtacttcata	taaattactt	catttcattc	aatggtagaa	ttggtagatg	cttaactttt	480
aatgaaagac	aaagtcagat	tcactctaag	gattaaaaaa	tatatgtaac	attacatttt	540
aaagattttc	aaaaacaatt	tgttgtggaa	atgaattatt	gncatgagat	attnccact	600
agacggactt	cctgtanggt	cangggctct	ggtcttctgt	anggatgaac	caagcttttc	660
ttgaanggcc	angtgctaag	tgtctcaagc	tttgtctgtt	aaggactacc	cactctgctg	720
gtgtagcaag	gaacacanc	ggttgcagcc	agatnctcaa	atgancaagc	ctntt	775

<210> 2686

<211> 899

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (899)

<223> n = A,T,C or G

<400> 2686

taaatthtata	caactncttg	ttctthtttg	aggatcccat	cgattcgttc	aagccccag	60
cctacgagga	tgtggttcac	cgcccaggca	caccaccccc	cccttatact	gtggccccag	120
gccgccccct	gactgcttnc	agtgaacaaa	cctgtctgtc	ctctcatcc	agctgccctg	180
cccactthtga	aggaacaaat	gtggaagggt	tttctctcca	ccagagtgc	ccccctcatc	240
aggaggggtga	gccccggggca	ggggngaccc	ctgcctncac	acccccctcc	tgccgntatc	300
gccgtthtaac	tggcgactcc	ggtattgagc	cttgcccttg	tctgctctcc	ggtgaggggtg	360
agccagtcaa	ggaggtgagg	gttagtgcca	ccctgccaga	tctggaggac	tactcccgtg	420
tgctttaccc	ccanagtntg	taccgcanat	ctttcccatg	gggtctgtct	ncagtgaag	480
gggacatncc	ataatagtht	tganaggggtg	gatgggttac	tttgccacc	aaaaacagcc	540
cttagtncca	acttcttgc	gtttcttht	ggccccctcc	ttgccttacc	ttaaaaaatt	600
ttgccttgaa	aaagggctth	gggaaaangg	ggcaanaat	ttgggggggg	aacttggtgc	660
ntaancctth	ttaaccccc	ccgcmnggga	acaattacaa	ccanggggan	ccctthttggn	720

atccttccan	tttaaaaaana	aaaatgtttg	gaaaccccaa	aaaaaaaaaa	aaaaaaaaaa	780
aaaaaaaaacn	ttcggagncc	ccttttttaa	aaacnttttt	aggggggggg	cccnttnntt	840
taacctttta	aaatncccc	nnccttggn	ttnggnaanc	cccttttggt	tggaaagttt	899

<210> 2687

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (794)

<223> n = A,T,C or G

<400> 2687

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gaaaacctgc	tgtcaaggct	tgaagagccg	gcacactcaa	tggcaaacac	agcaccgagt	120
ctgctctgaa	tcctggagga	tctggccctc	ctctcaaccc	ccactcacag	tcaccgtctt	180
acaactcagg	gccacctggg	atcagtcata	agtcagggtg	cgtaagcctt	gaataccagg	240
tagcctcagg	agtgaaga	taaatgtcct	agatcattcc	ttattcagt	tccccacctt	300
gcagcgatt	ccaaccacct	gggagcattt	aaaactccag	atgcccacac	cacaccctgg	360
ggccaccat	cagaccttct	ggaagcaaga	cctgggcctc	catggcccca	aaaactccct	420
aggtgatccg	atgtgcagcc	aaatctgaga	ggccccattt	aaaaaagaaa	gaacatgggt	480
ggtcattgag	gagtatttac	atcttataaa	atgacttaaa	aatttgaaag	catttttgag	540
catttccaat	tatatggaag	agttacttct	acggaatagt	ttttgctcat	ggaactcaaa	600
cagatgaagc	accactgtta	cagaataatg	tgctccagat	gaaaatgtct	cgtttctgtg	660
aatttcatga	agagcagaac	atcttctcaag	aatcctcttg	agccagtaat	caatcctgtc	720
tnaaaaaatg	ttctttgcct	tttctaaata	ctgcacaaaa	gtgggncatg	tcgacatttg	780
tnacccacc	ctcn					794

<210> 2688

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 2688

ttnanntttt	aaaccctttg	tnctttttgc	accatcccat	cgattcgaat	tcggcacgag	60
agtatgagaa	gggaggatgg	gggagaatct	gattaaaaaa	aatgattcat	tccttcacag	120
acactaacia	acatggctaa	aaagcacatg	tcagaacaca	gaagcctagg	tagatgggtg	180
acatttttat	aacttcctta	agtgagtagt	taaaccagca	gtcttaattc	tgttgggtctt	240
ccaagagtgt	ttaattacat	aagtattacc	tgtattcatt	tcccacaact	gntgggtttt	300
tctttctttt	tttttttttt	tcctctgngc	atcctanaaa	aactcccagg	actagactta	360
ggaggaggca	atcaagttat	gtggtaaaac	aagagtgcct	tttctgttgg	atatccactt	420
tagtttcttg	gcttcagggg	cataagatgt	ttanaaaact	tttttctcta	aacataagaa	480
ttattgtgtc	cacaattttg	aaccaccgat	ttccatatct	tcagcagcta	tcaacttgcc	540
aattcccttt	gggtctcctt	tgatatttct	tctgnttcca	ggtgcctcaa		600
aaagagtgtg	ggggggcatg	actcttataa	aatggataaa	aatgaactgt	acagatgttt	660
gcctccttgt	tctgtgagca	tgactctatc	angctggaaa	ancgctttat	cattttggat	720
atttgaccat	tttggtattca	gcattacttg	actccttatg	tgcnttggca	atgtt	775

<210> 2689

<211> 1157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1157)
 <223> n = A,T,C or G

<400> 2689

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ggaaccccc	cnttttgncn	aaggaaaaaa	cccccaannc	agnaacttnt	tttaaatnta	120
cgggggacca	caggnaggcc	aggcaccctg	tcccaaatgc	cccggnacnt	ttttatttaa	180
ccacccaaac	aagaaaacng	agaantacgc	caccccgggg	annggccaaa	aggnagnaag	240
gngggaaaca	gcntnacnt	gtgncctngc	acanaacang	gtggcnggaa	ancanccagg	300
actcnccggt	acatcaaate	gccccannng	cgcnccnncat	gttcttaacc	anccggaata	360
ggggacaate	aattgggtgn	cntttgngcc	tgccgaaaaag	ctagctgggn	anatctgccn	420
gggttaaata	gccccnttaa	acggaagggc	anangggggg	aacnnaanaa	ggtnangcca	480
ttcccgccca	ccggaatgaa	gnaatgggga	ancccgccct	ggngggggna	agtcangcan	540
aaacggcttg	acgnaaaaaa	aaanccattc	ncccccaant	tnngtnaang	gnncccaang	600
aaatcncncc	acngncnaag	ncccccnngg	gcnaatgnnc	ccaaatcccc	tcccatttnn	660
atnttatgna	aaccaccttt	ngggggaaaa	aaaaaaaaaag	nccntttntt	ngaaaggaaa	720
gggttgcccc	attgggctat	gggaaggngn	ncncccccaa	attanaaaan	ttnngggnga	780
naaaaaannn	gggcnncccc	gntttggggg	ncgncttttg	gcaaaccacc	ccccgtgcc	840
ccaaaaangc	ccaatgggta	ntccctaaaa	aaaaaagttc	ccccntttng	tgggaaaaan	900
cccccgggag	agggccccgn	gtttcaaagg	gggaanaatc	ccaaaaaaaa	ccnaatccta	960
naanggccaa	angnggtnt	ncctnaaann	nnggnaatng	ncaaaagggn	ggngaannaa	1020
accnttgggg	anggcngaag	ttccccctg	gaaaaacccg	gggggggncc	cctcnccgna	1080
ananaaaaaa	aaccnnttca	aaccnngggg	gcctcncgg	ggtgccccga	acncttttg	1140
aaaagatcca	cnnccccg					1157

<210> 2690
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (769)
 <223> n = A,T,C or G

<400> 2690

tatacanctn	ttgttctttt	tgcaggatcc	ctcgattcgc	gacaatcagt	gattttgctg	60
tatttctcac	aatagtaata	atgggtacaa	ttgactacct	tgtnggagtt	ccatctccta	120
aacttcatgt	tcctgaaaaa	tttgagccta	ctcatccaga	gagaggggtg	atcataagcc	180
cactgggaga	taatccttgg	tggaccttat	taatagctgc	tattcctgct	ttgctttgta	240
ccattctcat	ctttatggat	caacaaatca	cagctgtaat	tataaacaga	aaggaacaca	300
aattgaagaa	aggagctggc	tatcaccttg	atttgctcat	gggtggcggt	atgntgggag	360
tttgctctgt	catgggactt	ccatggtttg	tggctgcaac	agtgttgcaa	taagtcatgt	420
caacagctta	aaagtgaat	ctgaatgttc	tgctccaagg	gaacaaccca	agtttttggg	480
aattcttgaa	cagcnggtta	caaggctaag	gatttttatt	ctaattgggc	tctctgtgtt	540
catnacttca	gtcctaaaga	ttattccaat	gcctgttctg	tatgggggtt	cctttatatg	600
ggagtttcct	cattnaaagg	aatccagtta	tttgaccctg	atnaaatatt	tggaatgcct	660
gcttaagcat	cagcctgatt	tgatatacct	ncgttatgtg	ccgctctgga	aggccatatt	720
ttacagtcac	tcagcttact	tgtttggtcc	ttttatnggt	gataaaaang		769

<210> 2691
 <211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

<400> 2691
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 ggtgtcattg cacatgcctg cagtcctggc tactagggag gctgaggcag gagaattttt 120
 tgcacccaga agttcaaggc tgcagtgagc tatgatcaca ccatggcact ccagcctggg 180
 caatagaatg agaccagtc tctaaaaaag tagaagttaa aaaaaaagat taagaataga 240
 tgtagggcag cagaatttcg aacttctttt cagcatcaca atactttaaa acagtgattg 300
 tcactgcct caaaccatt gcctctcaca taggaaatat tttgaaacat attttttagt 360
 accttgaaat gaaattcatg ataattaacc catctacaca cattttttaa aatcaatata 420
 gggccctaac agcaatataa aggggaaata aaaagaaact aattgtaata aaataatatt 480
 gatttcaata agtacattct agccagtgct ttataaattt taatgtgcat atgaatcatc 540
 cagcattctt attaaatgca gattctagtt cagtagattt tggttcagta ggtaagccct 600
 gagatttggc atttctagca gctnctagat gatgccacaca ctgctgttta gtaaagagca 660
 tactttgagt agtaanggcc gaaaagtata aaaaaaaaaa aaaaaaaaaa aactcggcct 720
 ctanactata ggagtcgtnt tacgtanatc cngactgata agatcattgg tgagtt 776

<210> 2692
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(774)
 <223> n = A,T,C or G

<400> 2692
 tatnnataca actttttggt ctttttgcag gatcccatcg attcgcagct ctgcacccag 60
 ctgcttctcc agggagccct ccctcactgg agactgggat ttagcaacca agacctgggc 120
 actggctgtg cttgttgctt ctgggccctc ctgggacaga gctgggaagt ggatctatga 180
 cacgtgcttg tgcatttacc cgccctgttg gtttctgtag ctgtctagtt cctgctgttc 240
 ctgtctcacc tgcaccttcc cttatgtgta gtttcttctt gtgacaggga gaaacctggc 300
 tctcagattg acaggacatt cgcttaggcc atgtcagtgct ttaggtgaa ctgttcaacc 360
 tgtgccccag ggaggcgag tcaactatga ggcaccttac ttccttaatc gtgtactggg 420
 gtttttgtgt ttgacctgta gcatctaagt actggtttca aaagtgcct agatgagttc 480
 ttttctttct ttcacctctt gcaaattatg tgatttgcac aatttgtaca taagttaggt 540
 tcatttggtt gtttgatttc cttttggctt ccccatatc ctctgtgact ttttctttct 600
 tttgtaactt acatatgtta tgaaattata tgaggatata taatttcata aatgtttatg 660
 ggttacatgt attaatggg attattaaaa ncacctggg attgactggc caaccatttg 720
 gtggaagata gcaataaata atacatcata aaagacttta atgtaaaaat aan 774

<210> 2693
 <211> 816
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (816)
 <223> n = A,T,C or G

<400> 2693

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ttaattccct	gaatccctact	tgaacattgt	ataaatttct	ctttgcatat	aatacatatt	120
tgtgaatgag	acatatcccc	aaaaaattct	tatctctgta	tgtgattgga	aaagaaaaga	180
tcacatttgt	atattcaaca	atctttcacc	tatttcataa	gtcatttttt	caccctgtat	240
agtatgggaa	ttatttttta	tgttaaatag	aaactgaatg	tactgggttg	aatggtgtcc	300
tctccaaaat	tcatgtactt	cctggagcct	cagaatgtga	ccttatttgg	aaatactgng	360
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tatgactggt	gttccttata	aaaaaaagat	aanggcgggc	atggnnngct	cacgcctgta	480
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agnggaggtt	gccanaaccc	caccactggc	actncagtgt	ggagcaacaa	aaccgagact	720
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<210> 2694
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (786)
 <223> n = A,T,C or G

<400> 2694

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tgtgggttct	aacttaagtt	ccagaccagc	tagtccaaat	tcttcctcag	gacaggcttc	180
tgtaggaac	cagactaata	ctgcttgtag	tcttgaagag	ccatgtgttt	taaaaaaacc	240
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aaacagcctt	ctgtttctga	gcaattgtct	ggtccttcag	actcctctag	ttggccgaaa	420
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tatgttgaag	atacatcgga	atacctagct	cctcangaag	gaaattttgt	ttataagtta	540
tttagcctgc	aagacctgtt	gttactcgta	cgctgcagtg	tccagaggat	agagacaaga	600
ccacgttcta	aaaaaccgga	agaaaatcag	aagacaattt	ncagtttatg	tnctacccaa	660
agtagagtat	caagcttggg	tntggagttt	gaagctcttg	actgaaagtg	gactttgtcg	720
cttatngact	ggaaagttta	ttgctttcca	ccagctcatt	ttatgtttgg	gcatatcgat	780
gccttt						786

<210> 2695
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (786)
 <223> n = A,T,C or G

<400> 2695

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tgtgggttct	aacttaagtt	ccagaccagc	tagtccaaat	tcttcctcag	gacaggcttc	180
tgtaggaaac	cagactaata	ctgcttgtag	tcctgaagag	tcattgtgtt	taaaaaaacc	240
tatcaaacga	gtatataaaa	aattgatcca	gttggagaga	ttttaaaaat	gcaggatgag	300
ctcttaaagc	caatttccag	aaaagtacca	gaattgccct	taatgaattt	agaaaaattct	360
aaacagcctt	ctgtttctga	gcaattgtct	ggtccttcag	actcctctag	ttggccgaaa	420
tctggatggc	ctcttgcatt	tcagaagcca	aaaggacgat	tgccatatga	acttcaggac	480
tatgttgaag	atacatcgga	atacctagct	cctcangaag	gaaattttgt	ttataagtta	540
tttagcctgc	aagacctgtt	gttactcgta	cgctgcagtg	tccagaggat	agagacaaga	600
ccacgttcta	aaaaaccgga	agaaaatcag	aagacaattt	ncagtttatg	tnctacccaa	660
agtagagtat	caagcttggg	tntggagttt	gaagctcttg	actgaaagtg	gactttgtcg	720
cttatngact	ggaaagttta	ttgctttcca	ccagctcatt	ttatgtttgg	gcatatcgat	780
gccttt						786

<210> 2696

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (780)

<223> n = A,T,C or G

<400> 2696

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gcgggctggg	taacattctt	gcttgcaact	tgccggcagg	ccaacttgac	cggccggggc	180
ctgggtccggc	cggttgcaag	ttcaattgag	aacttttttg	acggaagagg	ggaccaaacc	240
attccaagtg	ggagtggaa	tcctcagctg	cttccctcaag	ctgcacacca	ccagccacct	300
tcacagtgtg	tttgttgagt	gtcaaaacat	ctcaaggaaa	tttctcctct	tctctnctg	360
gaggctatgg	cattgggtact	gaagagagga	aacttaccca	agaaaccact	tatncaaata	420
cttaccattt	tgacttggtt	ggangtggtg	atcttcttgg	agaaatttct	atgagcctta	480
cgatctctat	ncggggacag	aaactgaaaa	taagtgatga	aatgtncaa	gactgcttga	540
gtatccttga	taatacctgt	gtctgtcaga	nggagttaca	aagcgtttgg	cagaaaagaa	600
tgactttgtg	atcttntctg	ttacattgat	gaccaagtaa	agaagacatt	nttacaacaa	660
gnaacccttc	attgaagata	ttttgggtgt	tnaaaangga	aatgatccga	ctngatgaag	720
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<210> 2697

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (794)

<223> n = A,T,C or G

<400> 2697

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ctgctctgaa	tcctggagga	tctggccctc	ctctcaaccc	ccactcacag	tcaccgtctt	180
acaactcagg	gccacctggg	atcagtcctc	agtcagggtg	cgtaagcctt	gaataccagg	240

tagcctcagg	agtgaaaaga	taaatgtcct	agatcattcc	ttattcagtg	tccccacctt	300
gcagegcatt	ccaaccacct	gggagcattt	aaaactccag	atgcccacac	cacaccctgg	360
ggccaccat	cagaccttct	ggaagcaaga	cctgggctc	catggcccca	aaaactccct	420
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ggtcattgag	gagtatttac	attttataaa	atgacttaaa	aatttgaagg	catttttgag	540
catttccaat	tatatggaag	agttacttct	acggaatagt	ttttgctcat	ggaactcaaa	600
cagatgaagc	accactgtta	cagaataatg	tgctccagat	gaaaatgtct	cgtttctgtg	660
aatttcatga	agagcagaac	atttctcaag	aatcctcttg	agccagtaat	caatcctgtc	720
tnaaaaaatg	ttctttgcct	tttctaaata	ctgcacaaaa	gtgggncatg	tcgacatttg	780
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<210> 2698

<211> 696

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (696)

<223> n = A,T,C or G

<400> 2698

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accaacagca	gcttacgcaa	acagaacctt	gacctccttg	aacagttgca	ggtggcaaatt	180
ggtaggatcc	aaagccttga	ggccaccatt	gagaagctcc	tgagcagtga	gagcaagctg	240
aagcaggcca	tgcttacctt	agaactggag	cggtcggccc	tgctgcagac	ggtggaggag	300
ctgcggcggc	ggagcgcaga	gcccagcgac	cgggagcctg	agtgcacgca	gcccagagccc	360
acgggcgact	gacagctctg	caggagagat	tgcaacacca	tcccacactg	tccaggcctt	420
aactgagagg	gcagaaagac	gctggaagga	gagaagggaag	cgggaagtgt	gcttctcagg	480
gaggaaaccg	gcttgccagc	aagtagattc	ttacgaactc	caacttgcaa	ttcagggggc	540
atgtcccagt	gttttttttg	ttgttttttag	atactaaatc	gtcccttctn	cagtctgat	600
tactgtacac	agtagcttta	gatggcgtgg	acgtgaataa	atgcaactta	tgtttttaaaa	660
aaaaaaaaann	nnnnnnnnnn	nnnnnnnnnn	nnnnnat			696

<210> 2699

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (708)

<223> n = A,T,C or G

<400> 2699

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agctgggtgc	gctggtgtgt	gcctatatcc	ctagattctc	aagaggttga	gacaggagga	180
tcacttgagc	ccaggagttc	aagtccaact	tgggcaacat	gacaagacct	ttgtctcttt	240
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gcctgtaatc	ccagcacttt	gggaggccga	ggcaggcgga	tcacttgagg	tcaggagttc	360
aagaccagcc	tggccaacat	ggcaaaaacc	agtctctact	gaatgaaaat	acaaaaatta	420
gctggcctag	cagttggtgg	tggcaggtgc	ctgtagtccc	agctacttgg	gaggctgagg	480
caggagaatc	gcttgaattt	tgggaggcgg	aggttacagt	gaaccacat	ggcgccactg	540
cactccagct	tgggtgatag	atgagactct	atctcaaaan	aaaaanaana	aaaactcgag	600

cctntagaac	tatagtgagt	ctattacgta	gatccagaca	ttgataagat	ncattgatga	660
gttttgacaa	accacnactn	ggaatgcagn	gaaaaaaaaat	gctttttt		708

<210> 2700

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (772)

<223> n = A,T,C or G

<400> 2700

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gctgacaccc	agtaggaagt	atccccat	tatcaggaaa	gtcagtcacg	cgtagggatg	180
gtgaggagac	gcgtagggat	ggtgaggagg	ggagaggagg	gagacctgct	ggtgcccttg	240
caccagggtg	aggcctgact	cacgctgctt	ccccccacag	gccctgcttt	gcttgccctgc	300
tttttccaga	atcgattttg	caagcttcaa	gattctgttc	ccctcttcgc	agaagtgagg	360
aaggcaaata	ctcagggttt	gaagggagac	ctggccggcc	tgagggctgg	cagatgtgag	420
ggcaggacac	ctgggatgga	ctcgtaggct	gacccaggcc	caaagggggc	tgccctgttc	480
caactctttc	actctgtaac	ccattttaaa	atgagttttt	gaatcttgcc	tcaaattgac	540
ctacttggat	aaaatcagtg	cttttcctaa	cttgattttg	tttgacgtgg	ttccctctaa	600
gagaatggtg	ggaattgaaa	ctatttgtat	atggtgaaat	ttgtaggggt	tcaggaaccc	660
atggcagaaa	cactaaacta	tttatttaca	agtatgacta	tttttttttc	aaaagtaggc	720
aattctttgt	atattttaag	gcaaataatc	acttcacctt	ctggtgcctt	cc	772

<210> 2701

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (777)

<223> n = A,T,C or G

<400> 2701

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taggatgggg	acagaggcct	ggagacaacc	tgctggcctc	cttccattaa	agccattaca	180
gtgtcaccac	aggattgtaa	gaattacaaa	tgcgttttcc	agagtcccca	gagaaaaagg	240
agtctggcag	ttagaagagt	aaagtgcac	tgtcaacaaa	agaaatacca	aagatgagac	300
tacagcagcg	acttgtcacc	tcttccgtgt	tgctactgcc	tgagaacaga	ggtttttagt	360
ttcttttaaag	ggttgtaaac	ataaaaacaa	agaaggatac	aacatgcaag	gcctaaaatg	420
tttactttct	ggcctttttac	acaggcagtt	cgccagcccc	ctaccctaca	gtatggaaaa	480
aaggcataga	acagtcaa	cacgtaggat	ttcttggttt	ctccatgcag	gctcatcgaa	540
tagcaaccat	cctttcttag	tttcttgaaa	caagtacctt	atttacattc	agagaattat	600
atgtggacaa	acagctcata	agcccgtact	tttacatact	cacttccctga	attgcatatt	660
gaaaaagaga	gttcatgtaa	agccgattat	tatttaatct	aaagttatgt	tcacatagga	720
agcactagtg	tagagaaata	gggtctgang	gacaaggagc	ctgtgtgccc	gtgtcgg	777

<210> 2702

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (777)

<223> n = A,T,C or G

<400> 2702

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taggatgggg	acagaggcct	ggagacaacc	tgctggcctc	cttccattaa	agccattaca	180
gtgtcaccac	aggattgtaa	gaattacaaa	tgcgttttcc	agagtcccca	gagaaaaagg	240
agtctggcag	ttagaagagt	aaagtgcac	tgcaacaaa	agaaatacca	aagatgagac	300
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ttctttaaag	ggttgtaaac	ataaaaacaa	agaaggatac	aacatgcaag	gcctaaaatg	420
tttactttct	ggccttttac	acaggcagtt	cgccagcccc	ctaccctaca	gtatggaaaa	480
aaggcataga	acagtcaaat	cacgtaggat	ttcttggttt	ctccatgcag	gctcatcgaa	540
tagcaacct	cctttcttag	tttcttgaaa	caagtacctt	atttacattc	agagaattat	600
atgtggacaa	acagctcata	agcccgta	ttacatact	cacttctga	attgcatatt	660
gaaaaagaga	gttcatgtaa	agccgattat	tatttaattc	aaagttatgt	tcacatagga	720
agcactagt	tagagaaata	gggtctgang	gacaaggagc	ctgtgtgccc	gtgtcgg	777

<210> 2703

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (786)

<223> n = A,T,C or G

<400> 2703

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ggaggcaaaa	atggaaaaaa	tagaagaac	agaaagaaga	aaaatccatg	taatgcagaa	180
tttcaaaatt	tctgcattca	cggagaatgc	aaatatatag	agcacctgga	agcagtaaca	240
tgcaaatgtc	agcaagaata	tttcggtgaa	cgggtgtggg	aaaagtccat	gaaaactcac	300
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gctgtgatcc	tcacagctgt	tgctgttatt	acagtcagc	ttagaagaca	atacgtcagg	420
aaatatgaag	gagaagctga	ggaacgaaag	aaacttcgac	aagagaatgg	aaatgtacat	480
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agccataaat	gatgagtcgg	tcctctttcc	agtggatcat	aagacaatgg	accctttttg	600
ttatgatggt	tttaaaacttt	caattgtcac	tttttatgct	atttctgtat	ataaangtgc	660
accgaaggtn	aaaaagtatt	ttttcangtt	gtanataatt	tatttaatat	ttaatggaaa	720
gtgtatttat	tttaccanct	cattaaacnt	tttttaaac	aaaanaanac	nnctnnnnnn	780
nnctccc						786

<210> 2704

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (741)

<223> n = A,T,C or G

<400> 2704

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cagtggctcg tgccctgtaat cccagcattt tggagggccg aggcgaacgg atcacttgag    180
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tgagaatcac ttgaaccacg aagacagggt gcagtgagcc aagattgtgc ccctgcattc    360
tagcctgggt gacagtgaga ctgtctcaaa aaataaagggt gtacagggat tgtatatattg    420
acaacttggg atgtaggatg tgctacctct aatgttccat gctgttactt agttttcact    480
cactactata ttttgagatg ttgttcatat tgctctgtgt acatttaatt cttcagtgtg    540
tatccaccac atttaactta ttcacttaca gaactatgca agaatttctc tggtaaattt    600
cactaagtac ttatgtactt ttcagaacga ttgtgagttt acaccctac cagcaggact    660
gagttgagta cccatttccct cacatncttg ccagtcttca tttgcctaatt tttgccattc    720
tcataatgtg gcaattgtca a                                     741

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<210> 2705

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (709)

<223> n = A,T,C or G

<400> 2705

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caggaccctt tcagagaagc catgagggtc aaactgtttt cataagcaga accaaaaacat    180
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aatgggtgat tccttagcgt gatcaagatg gtagtaattg tactagtagt cattgtattc    300
ttcactgcc aatttttttt taaaactacc aattttaatt aagaatgtta gtcacagttg    360
tttaaaagct cagaacccccc attaaacaaa aattttaaaa agaattgttt tggtaaaagg    420
gcaaaaactg gatgaatttt attaaactcta gagccttgag taaacatctt ttcaggattt    480
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tttgggaggc tgacgtgagt ggatcgcttg agcctaggag ttccagacca gcctgggtaa    600
catagtgaat accctgtctc tacaaaaaat acaaaaaaat tagctgggtg tngtgggtgtg    660
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<210> 2706

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 2706

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aagtatccag aattgcagaa tttacctcaa gaactctttg ctgttgaccc aactaccgtt    180
tcacaaggat tgaaagatga gggtctctac aagtgtagaa agtgcaggcg atcattattt    240

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agaatgacac	catcttccat	gcttaccaca	gggaggcaag	ctcaatgtac	atcttatttc	360
attgaacctg	tacagtggat	ggaatctgct	ttgttgggag	tgatggatgg	acagcttctt	420
tgcccaaat	gcagtgccaa	gttgggttcc	ttcaactggg	atgggtgaaca	gtgctcttgt	480
ggtaggtgga	taacacctgc	ttttcaaata	cataagaata	gagtggatga	aatgaaaata	540
ttgcctgttt	tgggatcaca	aacaggaaaa	atatgaacat	gatattttat	agcttgggaa	600
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tttcaacatt	tcatttgaaa	tgggagaaga	taaaatcact	tgatgtacct	ggaaactatg	720
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<210> 2707

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(699)

<223> n = A,T,C or G

<400> 2707

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gacaccttat	acaagagcat	ttctactggc	atcaggtggg	tgccctcaa	ggacagagat	360
cccagaggaa	ggagtggggg	ctcatctttg	ctgttctcca	gcactctctg	gtgacatctt	420
cagggtgtgg	agggaccag	ataagtaggg	cttgaagtga	atccccagca	aactgcagca	480
gccctacaga	agaggtgcct	gactgttcaa	aggaaaacag	aaagcaacaa	caacatcaac	540
caaaaagtcc	ccacgaaaac	ctcatctaaa	ggtcagcagc	ctcaaagatc	aaaatgagac	600
aaactcatga	agatgagaaa	ggaatgaaaa	acccctcaca	actcaaaagg	ccagantggc	660
ttgtttactc	caaatgatca	caacacctct	acagcaagg			699

<210> 2708

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(692)

<223> n = A,T,C or G

<400> 2708

tacangctac	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	gagagaacag	60
ggagaagaga	ggaagaggga	gctgcagggt	ccagaagaga	acagggcgga	ctctcaggac	120
gaaaagagtc	aaaccttttt	gggaaaatca	gaggaagtaa	ctggaaagca	agaagatcat	180
ggtataaaag	agaaaggggt	cccagtcagc	gggcaggagg	cgaaagagcc	agagagttgg	240
gatgggggca	ggctgggggc	agtgggaaga	gcgaggagca	gggaagagga	gaatgagcat	300
catgggcctt	caatgccgc	tctgatagcc	cctgaggact	ctcctcactg	tgacctgttt	360
ccaggtgcct	catatctcgt	gactcagatt	cccgggactc	agacagagtc	cagggctgag	420
gaactgtccc	ccgcagctct	gtctcccttg	ctagagccca	tcagatgctc	tcaccagccc	480
atcttctctac	tgggtctctt	tttgactgag	gagtcacctg	acaaggaaaa	acttctatca	540
gtactttgat	atgtcacagt	ttcatgttta	tccagttcaa	tgtattttta	aatttttctt	600
tgagacttct	ttgactgata	gattattgtg	aatgtgtttt	taaatttcca	aatgtttang	660

gattttcata tctttcttat gctgatttcc aa

692

<210> 2709

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (719)

<223> n = A,T,C or G

<400> 2709

gcnnnnnnn	nnnttgcn	aa	tcgctagget	acttggtctt	tttgcaggat	cccatcgatt	60
cgaattcggc	acgagttttt	tctaatacaa	acgcacttct	ctttattcaa	accaggggtca		120
aactgggtcaa	tgggaaacgc	cctgaagcca	cgtgcctggg	gagaaaggct	tcctactcgg		180
ttcgggttcag	cgctgcgtgg	gatccacgcg	gctggctgtg	cgcaaccccc	acagttcacc		240
tcagacacta	ccaagcaggt	cagtcgacaa	aagcaaggaa	ttaaacaata	aacagaaata		300
cactcagtag	atttcttcta	gaagctccca	gagtttctgg	accaccaagt	cccaaccccc		360
aaagccagga	gcgaggggac	taacagcgca	ccccctccac	cagtgcggac	ggaaaccccg		420
ttttaaat	aaaaataagc	cagtatacat	cgtagaaaat	ttctcttaaa	aatctcacia		480
tttgtaaatg	tatatTTTTT	ctttaacata	aaagtttaca	atataccgta	aaacaaaagg		540
ctcaggaaaa	taattttcaa	aaaaaaggaa	gaaaaagaaa	cctgaagttt	tgaattaaag		600
ctgaagacat	tttttttaaa	ccctgttggt	gaaccagtga	ctttttttta	ttgngctgat		660
gggttagaga	aagaaatatt	taaaaacaaa	nanannnnnn	annnnnnnnn	nnnnnnnaa		719

<210> 2710

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (715)

<223> n = A,T,C or G

<400> 2710

gncnntntn	acttccnaat	cgcttggtca	ctcgttctct	atgcaggatc	ccatcgattc	60
ngacagactc	gtctnatcag	agatggggag	aangtcgaag	cctatcantg	gagtgttagt	120
gaanggaggn	ggataaaaaat	tggngatgtn	gttggtcat	cnggtgctaa	tcancnnaca	180
tctgnaaaag	tnntatntga	agggananaa	tttgattatg	tnntctcaat	tgntgttaat	240
gancgtggac	catcatataa	nttgccatat	aataccagtg	ntgacctnn	nttanctgcc	300
taccactnnt	tacagancnn	tnanntgaat	ccnntgttnn	nngntcaact	ncnttaantc	360
atnantggtn	acacataagg	tnatangntg	gnactngaga	atnccagntt	nncagatcca	420
tttacangcn	gtmncacggn	atgtcacnnc	tctnctngat	ctnntgacnc	actgccacn	480
gctgatcctt	tnncaantgc	tgnanngnat	gtaccacatt	ctgaatgtat	cnnaactncn	540
atnnctgat	aancatccat	ntcaggggaan	attgcctccc	nacngnatg	cntntaaaac	600
aatgaatcct	gggccctna	tancataggct	gncacattat	gaccangctt	accctacacc	660
aatattangt	aaactgaaat	gaactttatg	gaactgnntt	nntagcacia	ntttc	715

<210> 2711

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(721)
 <223> n = A,T,C or G

<400> 2711
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 gattcgaatt cggcacgaga ggaggaaaagg gaactccctg accccttggtg cttcccaagt 120
 gaggcaatgc ctgcgcctgc ttcggtcgc gcacgggtgcg cgcacccact ggctgcgcc 180
 cactgtctgg cactcgctag tgagatgaac cgggtacctc agatggaaat gcagaaatca 240
 cccgtcttct gtgtcgctca cgtggggagc tgtagaccgg agctgttctt attcggacat 300
 cttggctcct ccccaagagt tctggagtct gagaagtcaa ggatcggggg gctggcctat 360
 tcagtctctg gtaagggctg tcttcctggc ttgcagttga actacttctt gctgtgtctt 420
 cacaagcatg ccccatcct gtgccgataa gaactccana ccccaaactc agctcataca 480
 cacacggaag agagaagcat ctgaacatca agaagagaan aagctgctgg acatcagaaa 540
 ctgtgaaagg agaggagttt ggctgagctc caggggaaga ctgcctgcac attctatccc 600
 cttttcagtt ccccatcctg ctgtcagcca catttaccac tcaataaaat cttcacattc 660
 accatccttc aaaaaaaaaa aangaaaaaa ctcgagcctc tagaactata gtgagtcgga 720
 t 721

<210> 2712
 <211> 711
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(711)
 <223> n = A,T,C or G

<400> 2712
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 gaattcggca cgaggataaa tacctcagcc cctcgcttct ctcaaccac ctggcaagtc 120
 ttcttaggat ctgatccag ttttctggaa gcaatcctac cccagcccaa gcttccaga 180
 gtcgagcctt aatccttctc acttctcagt gtcagagcag aaatgaatcc tggggttgac 240
 tgtgtccatt cgggttatta gcagctaaga agcccgagc agtagtgtga gctgccttgg 300
 gagcctcagt gagggcactg ggactggcct cactctcttg ccccgagcct agtgggcttt 360
 ctctctgtc tctccggtgg cccagggcaa tcgactgcat cagcgaggga cgtgagttgg 420
 agcgccacg tgctgcccc ccagaggtct acgccatcat gcggggctgc tggcagcggg 480
 agccccagca acgccacagc atcaaggatg tgcacgccc gctgcaagcc ctggcccg 540
 cacctnctgt ctacctggat gtccctgggt agggggccgg ccaggggctg ggagtgtta 600
 gcccggaata ctggggcctg ccttagcatc ccccatagct tccacagccc caggggtgatc 660
 tcaaagtatc taattcacct taacatgtgg gaagggacag gtggggcttg g 711

<210> 2713
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(771)
 <223> n = A,T,C or G

<400> 2713
 nttnaacata cangtactt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
 ggtgaaagag ttcatgacct ccttgcgccg ggctggtgc tctgcgatca agggctgcag 120

aaccagnccc	ngngcntggt	ggnentgacc	tcttacannn	cgtgccgtat	tcnaatcggt	180
gggtatcctgc	tcaaggactg	tagctcntnt	acganaangn	tnacnnacnt	gatagacacg	240
tccacatcac	anttgccecc	aaactgcctg	tgctcctcna	tggtgtctct	ccctccagaa	300
aacgcattgct	tattgacctt	ggttttgata	tgcttgcccg	tgctcggtgag	gaagatggag	360
gagttggggg	cgctggcact	cattttgggc	tggtgcgcct	gcanggctgg	gaagaagggtg	420
gagtgacacat	gggataaggc	actggatata	cgtcctgtct	cggaagatct	gtgggaatga	480
gttgctgaag	gagggagcan	cctgnatggc	angaaaactg	atcttcccaa	tgcantcgct	540
gtcantgaag	ccgaaaatgc	ctttcacttg	gttgaaggta	acatgctttt	gaatcttcac	600
cacatttttg	tanaaacctg	aactgctcta	naactatant	gagtcntatt	acntanatcc	660
anacatgata	agatacattg	atgaatttgg	acaaaccaca	actagaatgc	antgaaaaaa	720
atgcttttatt	tgtgaaattt	gtgatgctat	tgcttttatt	gtaaccatta	c	771

<210> 2714

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (752)

<223> n = A,T,C or G

<400> 2714

gngagnnnnn	tttttaanat	cagctacttg	ttcttttngc	aggatccctc	gattcgctca	60
aaaccaaata	tcaactcagc	tacagaatct	actgtgggtcc	ttgtctgaaa	aaattagttc	120
actcggttgg	aatcttgtct	cagagcatcc	tcatctcttt	ctcaaaagcc	cctaccccaa	180
caccggcggtg	ttggttgtct	attgaaactt	acaagtggat	ggaccctttc	tcccgaataa	240
actggccttt	gaaagctcta	atcgaaatgg	tttggcaaaa	tccatactgc	aggagattag	300
ggaggacaag	aattgatgtgc	ctttttgtac	tgctgagcct	gatgggtggg	ccactacttc	360
aggctacttag	atgagtcctg	atgctaatag	aattgtgtcg	ccaaacatat	ctggacagtt	420
acaacctaat	ctatgcatta	attgggttgg	gaattgcttg	aaattattgn	ttaattcaat	480
gttttaattc	gttttcctaa	aaatttaagt	gcccccatca	tcgtgcaata	cctcagtgc	540
gcaactcctt	gattcttggg	tgactgaact	tnctaacttg	actctgcccc	ttggtcccat	600
ttttcatgtt	tttcacaaat	agttaaccag	gtacctacta	ctgtgcaccg	ctgcagaagc	660
attgaaggat	gtatgtgatg	agtnzaaaca	cccaaccctg	ctgtctgngt	ctggattatg	720
acngaaactg	gtcaaaatca	catgtgaaca	aa			752

<210> 2715

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (742)

<223> n = A,T,C or G

<400> 2715

gngagnnnnn	nnnnngnnng	nttttnaaga	ncagctactt	gttctttttg	caggatccca	60
tcgattcgaa	ttcggcacga	gggaaccccc	accattaagc	taaagtaaaa	cccttttgag	120
ggaagaggga	gactggggag	aagggaaaag	agagaaggca	gggagagtag	ggagagaaaa	180
ccttccagca	gcccgataaa	ctgcgggcga	agagatctac	ccgtctccct	ccctcccaca	240
gttaccattg	gccttgtcat	cgcaagcatt	tgacaaagac	ttgcttgtct	tggtcctgtc	300
acctctgaa	aggtgtcttt	agctgtggat	gcccttgatt	aaggagagaga	gcgcctagga	360
gctgctgcc	ccagctgggg	tgacggctgt	agggctgggt	ctatgttgca	agccctatat	420
cctagcatgc	agtggaaagt	gcttagctct	ctccctcctg	acctctgggc	agccagtc	480

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caaagcagag agacgtggcg gcatgtgggc agcatgcccc ggttccttgc tgactcagca      540
cttatttctg tagttttaaa aaagaattta atgttttttg ttgtattttt ttgggggggt      600
gaggggtgggc aaaaacatgg gggtagttct gagttgtag aaatgtttct tgaatcaaag      660
tttgtttgaa gacacctgtg cttttgtacc cattataaga tggtcattaa gaccaagaa      720
actgataact ttggnntttt tt                                              742

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<210> 2716

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (742)

<223> n = A,T,C or G

<400> 2716

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gnnagnnnnn nnnnngnnng ntttnnaaga ncagctactt gttctttttg caggatccca      60
tcgattcgaa ttcggcacga gggaaacccc accattaagc taaagtaaaa cctttttgag      120
ggaagaggga gactggggag aagggaagag agagaaggca gggagagtag ggagagaaaa      180
ccttcagca gccagtaaa ctgcgggcga agagatctac cegtctccct cctcccaca      240
gttaccattg gccttgtcat cgcaagcatt tgacaaagac ttgcttgtct tgggectgtc      300
acctcctgaa aggtgcttt agctgtggat gcccttgatt aaggagaga gcgcctagga      360
gctgcctgcc ccagctgggg tgacggctgt agggctgggt ctatgttgca agccctatat      420
cctagcatgc agtggaagt gcttagctct ctccctctg acctctgggc agccagtcac      480
caaagcagag agacgtggcg gcatgtgggc agcatgcccc ggttccttgc tgactcagca      540
cttatttctg tagttttaaa aaagaattta atgttttttg ttgtattttt ttgggggggt      600
gaggggtgggc aaaaacatgg gggtagttct gagttgtag aaatgtttct tgaatcaaag      660
tttgtttgaa gacacctgtg cttttgtacc cattataaga tggtcattaa gaccaagaa      720
actgataact ttggnntttt tt                                              742

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<210> 2717

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (733)

<223> n = A,T,C or G

<400> 2717

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gnnnngnnnnn nnnnngnnng nttnttagat anagctcttg ttctttttgc aggatcccat      60
cgattcgaat tcggcacgag gccntcctgt nnacagcgng gcaagangaa tcatnntgnc      120
tgngcatttt gcncnctta tctgggnnta tantgtacat nnaggacaga ccactcctaa      180
ttgacaacat ctannctntn tggatgtnaa agangttgcc agngtatnac aaangtngan      240
ntagnanact aatntntttt gtacattntg gnttacaagt cctaggaaan attggcttct      300
gaaaatttga tgncntntgg gttgatggag atggnaaggg ntctangcca gaatgntcac      360
atttggaaga ctctntcnaa ttntnactgt nggtacatgt ttgcanntat attcaanact      420
gctgtntaca tagtagacaa atnaactcct tacttgaaac atctagtcta tctagatgtn      480
tagaagtgcc ccatgnatgc taaatgtata cgtagtgaac taccactttg nnaatatctc      540
tttgctaataa ttcatncgaa atgcttttgg aaattgantn gnaannncac ctttgtnaac      600
agnntantgn tgnntatcct tgnncaatat nttaaaggac gtaaggangg aagaatttgc      660
aaaaagggat atcctancgt gngcataact gggcatttca gacccttggt ctatatgntn      720
gggcatctgg gtt                                              733

```

<210> 2718
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = A,T,C or G

<400> 2718
 gnnngnnnnnn nnnnnngnng nttnttagat anagctcttg ttctttttgc aggatcccat 60
 cgattcgaat tcggcacgag gccntcctgt nnacagcgng gcaagangaa tcatnntgnc 120
 tngcattttt gcncnctta tctgggnnta tantgtacat nnaggacaga ccactcctaa 180
 ttgacaacat ctannctntn tggatgtnaa agangttgcc agngtatnac aaangtngan 240
 ntagnanact aatntntttt gtacattntg gnttacaagt cctaggaaan attggcttct 300
 gaaaatttga tgnctnntgg gttgatggag atggnaaggg ntctangcca gaatgntcac 360
 atttgggaaga ctctntcnaa tttnnactgt nggtacatgt ttgcanntat attcaanact 420
 gctgtntaca tagtagacaa atnaactcct tacttgaaac atctagtcta tctagatgtn 480
 tagaagtgcc ccatgnatgc taaatgtata cgtagtgaat taccactttg nnaatatctc 540
 tttgctaaaa ttcatncgaa atgcttttgg aaattgantn gnnanncac ctttgtnaac 600
 agnntantgn tgnntatcct tgnncaatat nttaaaggac gtaaggangg aagaaattgc 660
 aaaaagggat atcctancgt gngcatactt gggcatttca gacccttggt ctatatgntn 720
 gggcatctgg gtt 733

<210> 2719
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 2719
 nnnngnnnnnn nnnngnnngn nnnnnnnngn nnnntntttt agatcagctc ttgttctttt 60
 tgcaggatcc catcgattcg aattcggcac gagctcatgc ttcaagaagc agataaactg 120
 ggctgcaaac agtttggtac tcctgcagat gtggtttcag gcaatcctaa acttaattta 180
 gctttttagt ctaatttggt taacacatac ccgtgcctgc acaagccgaa taataatgac 240
 atcgatatga atttactgga aggagagagc aaggaagaga gaacatttcg gaactggatg 300
 aattccttgg gagtcaaccc atacattaat catttgtaca gtgaccttgc agatgcttta 360
 gtgatctttc agctctatga gatgatccga gtgccagtca actggagcca tgtcaacaaa 420
 cctccttatc ctgcccttgg agggaaacatg aagaagggtga atgaaataat ggccatggat 480
 atattgntat tgttctgata tgaaacaaaag aatttagagt ttcatgaagt tatacgtgct 540
 ctgtcccccac aattctgatt cagacccaaa tgtgttaagc ttaatagcct ttttacaagt 600
 ttgctttaat aaatttgaag atgaaggcaa aaaaaaaaaa nnnnnnnnnn nnnnnnnnnn 660
 nnnnnnnnnn nnnnnnnnnn nnanaaaaaa aaaacctngn ccctttaaac tttnggnngc 720
 ntttncntaa nncnnaactt gaaaaancn 749

<210> 2720
 <211> 768
 <212> DNA
 <213> Homo sapiens

<400> 2720

acatacagct	acttgttctt	tttgcaggat	cccatcgatt	cgagacagtc	aagctgcatt	60
gcaacactgc	atgtctgact	aacagcatac	attgtcctga	agaagcatct	gtagggaaac	120
cagaaggagc	gttcatgaag	atgttacaag	cccgaagca	gcacatgagc	actcagctga	180
ctattgagtc	ggaggcgccc	tcagacagca	gtggcatcaa	cttgtcaggc	tttgggggtg	240
atcagcttga	aattcagcta	accgagcagc	tacggtcctt	catccccaac	gaggatgtga	300
gaaagtcat	gtctcatgtt	atccggacct	tgaaaatgga	atgttcagaa	acacatgtgc	360
aaggagctg	tgccaagctc	atgttgcgaa	caggcctcct	gatgaagctt	ctcagcgagc	420
agcaggaagc	aaaggcattg	aatgtagaat	gggatacgga	ccaacaaaaa	acaaattata	480
ttaatgagaa	catggaacag	aatgaacaga	aagagcagaa	gtcaagttag	ctcatgaaag	540
aagttccagg	agatgactat	aagaacaaac	tcatcttcgc	aatatctgtg	actgtaatac	600
taataatttt	gattataatt	ttttgtctta	tagaggtgaa	ttcacataaa	agggcatcag	660
aaaaatcaaa	gacaacccat	caatatcagg	agcctgagca	tgagttaaag	catgtggatg	720
gcctggaact	atgtttttta	aatggtatta	aatattggtt	ttttactt		768

<210> 2721

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (735)

<223> n = A,T,C or G

<400> 2721

gagaggnnt	tttgaagnn	gctngnngnc	ttttnganna	gttntcgten	gcangatgna	60
cacacggaga	cagatactgt	ggaccccaaa	agcaatggac	ggccccccac	tgctgctgct	120
gtccccaaat	ctgcgaaata	catcgctcag	gtgctgcagg	actcagaggt	ggacggggat	180
ggggatgggg	ctcctgggag	ctcaggggat	gagccccat	catcctcatc	ccaagatgag	240
gagttgctga	tgccacccga	cgccctcacg	gacacagact	tcagtcttgc	gaggacagcc	300
tcatagagaa	tgagattcac	cagtaagggg	agggaggggc	cctggaggcc	acatcctgcc	360
ccccccacc	ccactccca	cngacactaa	aacgctaata	atttattana	tctaaagccc	420
cttctnccca	gcccctgctt	tcattaaggt	atttaaactt	gggggtttca	ctgctctccc	480
cccatgatgg	aaggagggag	ccccccaacc	tcagttagga	nagccccgag	ccggccccgg	540
ggcaagagg	ggtgcagagg	gagttcccca	natcaagtcc	cccaaccctt	cccaactagta	600
catgaccagg	anagggttaa	tgataccaac	aagagtcctg	gtgcacctgg	tgccgggtggc	660
tggagacctg	ggggggcangt	ggatctgggg	ctgatcccc	ctccgttttt	tcacccacat	720
ttctctggga	tttgc					735

<210> 2722

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (716)

<223> n = A,T,C or G

<400> 2722

tnnnntttt	tnaaccagnn	ttcnaatcct	tggcgnnagg	ctacttggtc	tttttgcagg	60
atccccatga	ttcgaaattcg	gcacgagaag	aaaggctgcc	tttgagttga	ccaaccatgt	120
tgagggtgta	gatgggtgct	aaactcactg	tagtctgagt	aattgacttc	cacaagtcac	180
ccccactgtt	gagcctttca	aaatgaagtc	tcagtatatt	tacaaattaa	tggacatcct	240
ctctggggat	tagtcatatt	ctaattcaac	aaagacattg	tttgaagttt	gtttttgttt	300
gctaaatgaa	ctaaaaatta	tgagatttgc	acctaagggt	actgaggtaa	aggagagcca	360

aaagtggggt	agtcaatcta	cttattcaga	atgagtcgat	aatttaaaca	tgtctaatag	420
cagagacagt	atattataga	aatggcatta	cattctctga	gatctgcttt	tactgaagtg	480
gatcaatgat	gaaactagcc	aaatctgagc	atcagaaggc	tttccgggtct	acctgatgca	540
tgatctctac	agttctgaga	agcagaacta	taaaacaatg	taaaacaata	agggcatatg	600
tctggtgtgt	gtgtgggggg	tgtgtgtgtg	nnnnncnnnn	nnnnnnnnnn	nnngnnncnn	660
nnnnngnnnn	nnnnnnntnn	nnnnnngnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnc	716

<210> 2723

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 2723

gagaggnntt	ttanagcctg	ctacttggtc	tttttgcnga	tcacgattc	gaattcggca	60
cgagaaatac	ctcaggaaaa	acgaggaggt	gaagtattgg	attcttctca	tgatgacata	120
aaacttgaaa	aaagtaatat	tttgctgctt	ggaccaactg	ggtcaggtaa	aactctgctg	180
gcacaaaccc	tanctaaatg	ccttgatgtc	ccttttgcta	tctgtgactg	tacaactttg	240
actcacgctg	gatatgtacg	cgaagatatt	gaatctgtga	ttgcaaaact	actccaagat	300
gccaattata	atgtggaaaa	agcacaacaa	ggaattgtct	ttctggatga	agtagataag	360
attggcagtg	tgccaggcat	tcacaaatta	cgggatgtan	gtggagaagg	cgttcacaa	420
ggcttattaa	aactacttga	aggcacaata	gtcaatgttc	cagaaaagaa	ttcccgaag	480
ctccgtggag	aaacagttca	agttgataca	acanacatac	tgtttgtggc	atctggtgct	540
ttcaatgggt	tacacagaat	catcancagg	aggaaaaatg	aaaagtatct	ttggatttgg	600
aacaccatct	aatctgggga	aaaggcagaa	gggctgcagc	ttgctgnaga	ccttgnttaa	660
tcnaaagtgg	ggaatccaat	acttacccaa	gacattgaan	aaaaagatcg	ggtntgcgct	720
atgtggaaac	cngagatctg	attgagtttg	g			751

<210> 2724

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 2724

gngagnnnnn	tttanaanat	caggctactt	gttctttttg	caggatccct	cgattcgtaa	60
gtgggctaag	accagaagag	agacttatct	gcttaagtag	aaacatgtgc	cttttattaa	120
ctgcagtcct	gcattttatc	catggaatga	cagaccctgt	attaatgtct	ctcagtgccct	180
ctcatgtgtc	atcttttcgt	agacattttc	ctgtgctgtt	tgtctctgct	tgccctgttta	240
ttcttccctg	cttactcagt	tatgttcttt	ggcatcacta	tgactaaat	acatgggttg	300
ttgcagttac	agcattttgt	gtggaactgt	gcttaaaagt	nattgtttct	ctcactgntt	360
atacgttatt	catgattgat	ggctactata	atgtcctctg	ggaaaagctt	gacgattatg	420
tctactacgt	tcgttcaaca	ggcagtatta	ttgaatttat	atttgaggtt	gtaatgggtg	480
gaaatggggc	ttacactatg	atgtttgagt	cgggaagtaa	aattcgggct	tttatgatgt	540
gcctacatgc	atattttaac	atctacttac	aagccaaaaa	tggttggaag	acattttatga	600
atcgtaggac	tgctgtgaag	aaaattaatt	cacttccctg	aataaaaagg	agcccgctta	660
caagaaataa	atgaagggtat	gtgcaatctg	ctatcatgag	tttacaacat	ctgctcgat	720
tacaccgtgt	aatcattatt	tccatgccc				749

<210> 2725
 <211> 746
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(746)
 <223> n = A,T,C or G

<400> 2725

gagnnnnnttt taataacagc tacttgttct ttttgccgat ccctcgattc gaattcggca	60
cgagcgtgga gagaatactc agaaatgaac ctctttaaag ccttgccagga atgagtcact	120
cttacttaat gaaatgttaa agccaattaa aaagcatgct gtgatgccca gcttcccttt	180
ccacagggtg catgctctc ctgctggtga atcacatgcg gcaagaggca actggctcca	240
cagcctggga tgctgccgta ccaagaggaa agaagcagca aaatgccttt acgttgttct	300
aaacccccga cgcataaagt gtagaggagg gatggccaag ggtgggtggg tagaaagtgt	360
gttcaggctg aactggcaa tgagtacaga taatttctact ttcctcttca ggggcaaagg	420
ctgatggcct ctacctttgt atccaggaga aactgcagag cagccctgtg actttacaaa	480
atatgtctacc tcaaagtgt acccgataaa cttttctaata tgtaagtgcc cttactaagg	540
gcacatgtct taatcaaagt tagttttttg ttttctggtt tgnntttttt ttttgnatat	600
tgatgaatga gatcttacct attaaatata ttattggatt atgggtcctg aaggtcatta	660
aaagtttgag tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtttatgac ttaaatactt	720
ttacgtgngg tttttaaaac ttgggt	746

<210> 2726
 <211> 967
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(967)
 <223> n = A,T,C or G

<400> 2726

agtanggcgn ttctaatnn annnggctaa gcgactttna aagangaggc tngcgtgntg	60
aataccgnnc gaggggggat nacaatagta nacnnggtnc caatncatgc ttaacaccgc	120
atntctttac ccccnannn ncacanatgc agacncacac atngcanncg nacacncaga	180
cacacacang caagcactnn catgcatggc ccatgctcac acacntgnan nnaacatgcn	240
gtagacatnt nagacacgtc atgtnacaca tgnnacacan gnnnaanaca ctgctttnc	300
ngcanacnca gacggcacnn ngagacanac atgcnnaaac aacatgctcn ctcacntnna	360
nncgntgggc cngtagtagt gtactgtggg tgnnactggg tgccatcnac nngtatttt	420
acgnnctttt aactaaaaan cttggagcct tnanttnntn tgggtgantnc aatncctana	480
antncttga gngggatgaa ccctaananc ctggccctnn tnccnctttc aagcccnagn	540
aattganatt attncntant ngnnacgaa gcttntggta ncangngncc cgagnnctnt	600
tnaaanttnn ctnttttnan aatnaaacat ttlanccggt ctnaggancc gngcctncng	660
ggtanggan naattgtnc tgggnatagt tctcacaant natnttnaag gggnnnaagng	720
atnngngngg nccntntatg nggcnngcc aannaangggg tcgnggttaa natattccaa	780
gntaacanan gnacnatggn accnatccct ntngaagna aggaactncc tgnnccgacta	840
nnnactatgn naaatattct cacatntaca naaaaagnag gnnccnnggt ncttnaagnt	900
tntgcatagn nactatncnt gggacnggtt aacnnanatt ntatgcttta nngatnngg	960
gcttnnn	967

<210> 2727
 <211> 967

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (967)
<223> n = A,T,C or G

<400> 2727
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 aataccgunc gaggggggat nacaatagta nacnnggtnc caatncatgc ttaacaccgc 120
 atntctttac ccccnannnn ncacanatgc agacncacac atngcanncg nacacncaga 180
 cacacacang caagcactnn catgcatggc ccatgctcac acacntgnan nnaacatgcn 240
 gtagacatnt nagacacgtc atgtnacaca tgnnacacan gnnnaanaca ctgcttttnc 300
 ngcanacnca gacggcacnn ngagacanac atgcnnaaac aacatgctcn ctcacntnna 360
 nncgntgggc cngtagtagt gtactgtggg tgnnactggg tgccatcnac nngtattttt 420
 acgnnctttt aactaaaaan cttggagcct tnanttnntn tgggtgantnc aatnctana 480
 antncttga gngggatgaa ccctaananc ctggccctnn tncnctttc aaggecnagn 540
 aattganatt attncntant ngnnacgaa gcttntggta ncangngncc cgagnnctnt 600
 tnaaanttnn ctnttttnan aatnaaacat tttancgggt ctnaggancc gngcctncng 660
 ggtanggann naattgtnc tgggnatagt tctcacaant natnttnaag gggnaagng 720
 atnngngngg nccntntatg nggcnngcc aanaangggg tcnngttaa natattccaa 780
 gntaacanan gnacnatggn accnatccct ntngaagna aggaactncc tgnncgacta 840
 nnnactatgn naaatattct cacatntaca naaaaagnag gnnccnnggt ncttnaagnt 900
 tntgcatagn nactatncnt gggacgnggt aacnnaant ntatgcttta nngatnggg 960
 gcttnnn 967

<210> 2728
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (736)
<223> n = A,T,C or G

<400> 2728
 gagagnnntt tntaatnnca gctcttgttc tttttgcggg cctcgttcg agaaaaatgaa 60
 gatgaacaga atagtcgcc aaaaaagggt aaaagaggcc gaccaccaa acctcttggg 120
 ggaggtacac caaagaaga gccacaatg aaacttcta aaaaaggaag caaaaaaaa 180
 tctggacctc cagcaccaga ggaggaggaa gaagaagaaa gacaaagtgg aaatacggaa 240
 cagaagtcca aaagcaaca gcaccgagt tcaaggagag cacagcagag agcagaatct 300
 cctgaatcta gtgcaattga atccacacag tccacaccac agaaaggacg aggaagacca 360
 tcaaaaacgc catcaccatc acaacaaaa aaaaatgtcc cgtgtaggac gctccaaaca 420
 agcagctact aaggaaaatg attcaagtga agaagtagat gtgtttcaag ggtagctctc 480
 ctgtcgatga tattccacag gaagaaacag aggaggagga agtttctaca gtaaatgtac 540
 ggcggcgaag tgctaaaagg gaacggcgat gaacaaatgt aattaataac tttctctgtg 600
 aaagcttttg aaaaatcttt tttttttttt ggtcaagctt gagcttgata aagcctttga 660
 tgcacaaaat gggctgctga aaatggacag ttggncttac tttggtgcc ctactttgtg 720
 gcacatcttt accatcac 738

<210> 2729
<211> 747
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(747)
 <223> n = A,T,C or G

<400> 2729
 gnnngnnngnnn nnnnnnnngn nnnnnnnnnn nngnnngnnt ttatgnatca gctacttggt 60
 ctttttgcag gatcccatcg attcgctcca ttgtgaagat ccaggcattt ttccgagcca 120
 ggaaagccca agatgactac aggatattag tgcatgcacc ccaccctcct ctcatgtgtg 180
 tacgcagatt tgcccatctc ttgaatcaaa gccagcaaga cttctctgct gctgtgatct 240
 gcacaccctc caacctgggc agggactggg gggatgcagt gtgtgttagt gcccatgtgg 300
 cattgtggca ctgttgcccc ccattggcggc atgggcaaga tgaccttcca ttagcttcaa 360
 gtcttggtct cttgtctgtg gtctgtttaa tatgtgggtc actagggtat ttattctttc 420
 tcccatcctt acactctgga tcattgtgca gacttaatca gggttttaac gctttcattt 480
 tnnntttttt ttttttgact caaagagagt tctcattttc cctattcaaa ctaataccca 540
 tgccgggttt tttaccttgg atttaaagtc accttangtt ggggcaacag attctcactc 600
 atgtttaana nctgggtatt cagcttcata agatcaaaga ggagtctttc cctttctctt 660
 ttaccctcag gatctcatcc cttacagctg actcttnacg gcaatttcca tagaactgna 720
 gtctgtgctt ggcacaagct ntntgtg 747

<210> 2730
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(716)
 <223> n = A,T,C or G

<400> 2730
 ttnattaatg cttggctact cgttctttnt gcaggatccc tcgattcgaa ttcggcacga 60
 ggtcctaaag cgcgtgaagc aaaaaccatg ataaaacatt ctgctttctt ttcttttaca 120
 accccacgaa cgcaaaaaaa aaaaaaaaca aaaacaaaac aaaaaaaaga aacaacaaca 180
 aaacccaacc tattttagtg aaaaaatggt tttgtacatg ggatgaaaca atataaatc 240
 aaaacttaca gataagggtt agctctatca ctcaactctt taaaaagttt atatgaatat 300
 ccagtcaaaa ccaacacggt attgcccttg aaatgttaac tagacggatt tccaaggaga 360
 ccacaggact gtatactgtc ttggaatgtc ctcagaaggc tctgtcattg atcaggtaac 420
 agtaaaaacc ccagtttctt ttcttagctg atgtcttttg ccagaacacc gtgggctgtt 480
 acttgctttg agttggaagc ggtttgcatt tacgcctgta aatgtattca ttcttaattt 540
 atgtaagggt tttttgtac gcaattctcg attctttgaa gagatgacaa caaatttttg 600
 ttttctactg ttatgtgaga acattangcc ccagcaacac gtcattgtgt aaggaaaaat 660
 aaaagtgtcg ccgtaccaa aaaaaaatnn nngnccnnan nncnaannct tngnnt 716

<210> 2731
 <211> 731
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(731)
 <223> n = A,T,C or G

<400> 2731
 tgnnttttn nagtcaancc ttggaaatcc ttggctctng ccgctntctg caggatccca 60

```

tcgattngct nngcagctcc ccttccantg agagccctnc acacnatttn anaaaacct 120
nognatgcat naactttcaa nccatancat gcatncnggn tattgntnca tgctgatcat 180
nnaacctnnn gtccaacagg gcggnncngt aatggntgnt tnnttnactt ttantntgt 240
ggngtatnnn ntagnncncg cggngcnggc tcannttact ggaccttgca natcctnnga 300
ttngcnnctg ngngnntcng gctcnnacnn acatgngntt acagacatnc tggcatgttc 360
atntcnnctg gntntcncn ngtnaanang gngnctnanc ntgntngcca agctgntnnn 420
annctcctgg gntacnttna nntnnnatnt tgactcatac cgttgctgat tncaaggcnt 480
gagccaccac tcctggccaa ngngcgttg cttgacattn cnactaagac tatgactatn 540
atgntnccgt gacgacacta tagtccctcn nacttntcng tcaagtggca tctgggattg 600
tntcaacatg gataaanggg ccttctanat atcnnngcgt tgancntcat ttncctgcnt 660
tcctganaat ttngngcact gaancttana gggccttatt cncncnngan cancacncgn 720
ngatactanc c 731

```

<210> 2732

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(731)

<223> n = A,T,C or G

<400> 2732

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tgnnttttn nagtcaancc ttggaaatcc ttggctctng ccgctntctg caggatccca 60
tcgattngct nngcagctcc ccttccantg agagccctnc acacnatttn anaaaacct 120
nognatgcat naactttcaa nccatancat gcatncnggn tattgntnca tgctgatcat 180
nnaacctnnn gtccaacagg gcggnncngt aatggntgnt tnnttnactt ttantntgt 240
ggngtatnnn ntagnncncg cggngcnggc tcannttact ggaccttgca natcctnnga 300
ttngcnnctg ngngnntcng gctcnnacnn acatgngntt acagacatnc tggcatgttc 360
atntcnnctg gntntcncn ngtnaanang gngnctnanc ntgntngcca agctgntnnn 420
annctcctgg gntacnttna nntnnnatnt tgactcatac cgttgctgat tncaaggcnt 480
gagccaccac tcctggccaa ngngcgttg cttgacattn cnactaagac tatgactatn 540
atgntnccgt gacgacacta tagtccctcn nacttntcng tcaagtggca tctgggattg 600
tntcaacatg gataaanggg ccttctanat atcnnngcgt tgancntcat ttncctgcnt 660
tcctganaat ttngngcact gaancttana gggccttatt cncncnngan cancacncgn 720
ngatactanc c 731

```

<210> 2733

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 2733

```

ccttnccctg aaagccncaa gctacttgnt ctttttgcag gatcccatcg attcgaattc 60
ggcacgagat tccactctgc ttttactctg ggtgagcaga gggggatgtg tgtgtgcgtg 120
tgtgtcagtc tgtttgtgag tgtgttaaag gctacagacc acagttgggt taaaatgctt 180
ggaacttccc aaactggctt tactttatgt ttatacagtg ctacagggtta acgcagtaca 240
tccatgccat tgctgtggga ggtatccccg gatgcatgtg ttttgagtct ataaatatag 300
aaaatatata ttggtttctt tttccaactt aataggtcta ttaaagcatg aaatgaaagg 360
ttgcatatca tgcattcagg ntattaccta atttttgunc tgacagtgca tgnctntgga 420

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agcatgctga	aacaccgatt	aacacaggag	tcngntaaca	cngagaaaca	tttgatanat	480
gtacagcatt	ggctattgca	ttcctatagt	gtatataccn	gggtattgct	tcaaaccctg	540
cngaccncta	ttttcccntc	tncnnccct	gtgttctttg	gtcaaacnta	atnnannaca	600
tncatttgcn	nttgngttnn	naaaccttan	anntcntnga	tngtgnannt	anacnangta	660
actttttacc	taaanggtgt	ngcctgnccc	caaaattgcc	attatngggn	ccnctatttt	720
ccnctantnt	ananttgttc	ncacattncg				750

<210> 2734

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (712)

<223> n = A,T,C or G

<400> 2734

anttgaanct	ttctaagtct	tggcnntgca	ggatcccac	gattcgaatt	cggcacgagg	60
gcacaaggac	cctcctgcca	acctgtttga	agacatggac	ctcaacaagg	atggcgagggt	120
ccctccggag	gagttctcca	ccttcatcaa	ggctcaagt	agtgagggca	aaggacgcct	180
catgcctggg	caggaccctg	agaaaaccat	aggagacatg	ttccagaacc	aggaccgcaa	240
ccaggacggc	aagatcacag	tcgacgagct	caagctgaag	tcagatgagg	acgaggagcg	300
ggtccacgag	gagctctgag	gggcaggag	cctggccagg	cctgagacac	agaggcccac	360
tgcgaggggg	acagtggcgg	tgggactgac	ctgctgacag	tcaccctccc	tctgctggga	420
tgagggtccag	gagccaacta	aaacaatggc	agaggagaca	tctctggtgt	tcccaccacc	480
ctagatgaaa	atccacagca	cagacctcta	ccgtgtttct	cttccatccc	taaaccactt	540
ccttaaaatg	tttggatttg	caaagccaat	ttggggcctg	tggagcctgg	ggttggatag	600
ggccatggct	ggtcccccac	catacctccc	ttcacatcac	ttgacacagc	tgagctttgt	660
tatccatctt	cccaaacttt	ctctttcttt	gtacttcttg	tcatccccac	tc	712

<210> 2735

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (710)

<223> n = A,T,C or G

<400> 2735

nttaancntt	nanannngtt	ntttttgcag	gatcccatcg	attcgaattc	ggcacgaggg	60
cangggactt	nctgtaacaa	tgcattctcat	atttggaatg	accagtcct	ctcccaagtc	120
cacacagggg	aggtgatagc	attgctttcg	tgtaaattat	gtaatgcaaa	atttttttaa	180
tcttcgcctt	aatactttat	tattnngttn	tattttgaat	gatgagcctt	cgtgcccccc	240
cttncccctt	ttttgtcccc	caacttgaga	tgtatgaagg	cttttggtct	ccctgggagt	300
gggtggaggc	agccagggt	tacctgtaca	ctgacttgag	accagttgaa	taaaagtgc	360
caccttaaaa	aanaatgcat	anaaaaaact	cgagcctcta	gaactatagt	gagtcgtatt	420
acgtagatcc	agacatgata	agatncatng	atgagtttgg	acaaaccaca	actagaatgc	480
agtgaaaaaa	atgcttttatt	tgtgaaattt	gtgatgctat	tgcttttatt	gtaaccatta	540
taagctgcaa	taaaacaagt	aacaacanca	attgcattca	ttttatgttt	cagggttcagg	600
gggaggtgtg	ggaggttttt	taattcgnng	ccngggcgcc	aatgcatngn	gcccgggtacc	660
cagcttttgg	tccctttant	gaggggtaat	ngcgcgcttg	gcgtaatcat		710

<210> 2736

<211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (714)
 <223> n = A,T,C or G

<400> 2736
 tctaattcng nntttnantt ncnatcgcn aggtacttg ttctttttgc aggatcccat 60
 cgattcgaat tcggcacgag aaagaactgt ctacgcaac cattgattct aaaactggcg 120
 atttagggga catcaatgct gagcagcttc ctgggaggga acatcttaat gaacctggta 180
 ctagagaagg acagactcgt ctaatcagag atggggagaa agtcgaagcc tatcagtggga 240
 gtgttagtga agggaggtgg ataaaaattg gtgatgttgt tggtcatct ggtgctaatac 300
 agcaaacatc tggaaaagt ttatatgaag ggaaagaatt tgattatgtt ttctcaattg 360
 atgtcaatga aggtggacca tcatataaat tgccatataa taccagtgtat gaccttgggt 420
 taactgcata caactctta cagaagaatg atttgaatcc tatgtttctg gatcaagtag 480
 ctaaatttat tattgataac acaaaaggtc aaatgttggg acttgggaat cccacttttc 540
 agatccattt acaggtggtg gtcggtatgt tccgggctct tcgggatctt ctaacacact 600
 acccacagca gatcctttta caggtgctgg tcgttatgta ccaggttctg caagtatggg 660
 aactccatgg cggagttga tccattacag ggaatagtgc ctaccgatca ctgn 714

<210> 2737
 <211> 707
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (707)
 <223> n = A,T,C or G

<400> 2737
 aatnnttggc ctctgttctt ttgcaggatc cctcgattcg cattcggcac gaggtatat 60
 gaacacagtg gaaagatggg accctcaggc tcgccagtgg aattttgttg ccactatgtc 120
 tacccttagg agtacagtan gtgtggcagt actaagtggg aaactttatg canttgggtg 180
 tcgtgatgga agttcttgtc tcaaatcagt anaatgttt gatcctcata ctaataagtg 240
 gacactgtgt gcacagatgt caaaaaggan aggtggcgta ggagtgcga cctgnaatgg 300
 actgctgtat gctatagggg ggcacgatgc tcccgcatcc aacttgactt ccagactctc 360
 agactgtgtg gaaagatatg atcccaaac agacatgtgg actgcagtag catccatgag 420
 catcagcaga natgcagtgg gggctctgtt acttgggtgat aagttatatg ctgntggggg 480
 gtatgatgga caggcatacc ttaatactgt ggaggcttat gatccccaga caaatgagtg 540
 gaccaggta ttttcacata cttttgagga cagcaaagat cacctggtgg ccatcaagca 600
 naccatctgg aggcaaaact cttatctga ggaattcaga agtcattaga ctgccctatt 660
 atctaaagcc cggcatcttg tactaggctt ctttaccaaa aatgtat 707

<210> 2738
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (706)
 <223> n = A,T,C or G

<400> 2738

ctttaaatct	caagctcttg	ttctttttgc	aggatcccat	cgattcggga	gagaaacctt	60
atggatgcat	tgactgtggc	aaggccttca	gccagaagtc	ttgccttgta	gcacatcaga	120
gatatcatat	aggaaagact	ccctttgtat	gtcctgaatg	tgggcaacct	tggtcacaga	180
agtcaggact	cattagacat	cagaaaattc	actcaggaga	gaaaccttat	aaatgcagtg	240
actgtgggaa	agccttcctt	acaaagacaa	tgctcattgt	acatcacaga	actcacacgg	300
gagagagacc	ctatggctgt	gatgagtgtg	agaaagctta	cttctatatg	tcttgccctg	360
ttaaacataa	gagaatacac	tcaaggggaga	aacgggggga	ttcagtgaag	gtggaaaaatc	420
cttccacagc	aagtcacagc	ttaagtccta	gtgaacatgt	gcaggggaaa	agccctgtta	480
atatggtaac	tgtggcaatg	gtggcagggc	agtgtgagtt	tgccacatc	ctgcattcat	540
gataaacagt	ttgctgtttg	atcatatagc	ctncagcggg	atgctgagtt	tgctcatgtcc	600
catgggcctt	tggctccctg	cactaatatg	tatagtaggg	tttacaagat	atgaaatata	660
ttttactttt	ttatatctta	ttaacctcac	tacccttcc	acaata		706

<210> 2739

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 2739

tnaatnnttg	ctctngttct	ttttgcagga	tccctcgatt	cgggtgggtgc	acataacctgt	60
aatccagct	actcgggagg	ctgaaacagg	agaattgctt	gaacctggga	ggtagctgtt	120
gcagtgagaa	agattggtac	cattgcactg	cggctcgggc	cacagagcga	gacttccatc	180
tcaaaaaata	aataaaaatag	ggatgggggc	tcactgtgtt	gaccaggctg	gtcttgaact	240
aatgtccnca	nntaggcctn	ccatatacnc	ttnnannggc	tatncattac	aggntcntgt	300
ccacatgcna	ngncnctatt	acnaactgca	tcantntttg	caccccatat	ntatganccg	360
nattttaatt	ttncancaat	ntctnataac	attgnngatc	tgnatanann	ctatnttgct	420
gctnacaaat	ctgaatcatc	ntttccanan	catnttggac	acacatcact	taattnaaca	480
atttaaatgca	netatttngc	tatnctcctn	atttgttntc	tcntnccaca	ntatgttctt	540
atgaenncat	ctatttttnc	attnggana	aaancacnta	ttgnntgnnt	atgtatngg	600
atatacntnn	tcaataccgn	ctacttttna	netaaacctt	tccnttgnat	anttantntn	660
atgttnncac	acttacgggt	cnntccatta	attntectac	atgnnaantt	ttacntatnt	720
cattagtana	ctttatnnta	attaattntt	cc			752

<210> 2740

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 2740

tcaatncngg	ctctngttct	ntttgcagga	tccctcgatt	cgaattcggc	acgaggctgg	60
acttggcaat	gggtggtctt	ggagacttgc	tgcctgcttc	ttggattcca	tggcaacctt	120
gggacttgca	gcctatggat	acggcattcg	gtatgaatat	gggattttca	atcagaagat	180
ccgagatgga	tggcaggtag	aagaagcaga	tgattggctc	agatatggaa	accttgggga	240
gaagtcccg	ccagaattca	tgctgcctgt	gcacttctat	ggaaaagtag	aacacaccaa	300
caccgggacc	aagtggattg	acactcaagt	attcagagt	ctcgtatagc	cagcgttttg	360

tatagtattt	agtacagtag	ataatacatt	gactatgtag	catatagtg	tgatattgag	420
tatagggcat	gtcgtgtttt	gaataataga	atatattttt	gtaaataaat	ctgttacttc	480
tcttagcgca	gcccagtcac	tttggagaca	aaggagctga	ggccaagaga	ggagtgactt	540
ttataagggt	cattttgcaa	ccagctttgt	cagaaaattg	tcagttcttt	tttttttttt	600
tttttgccag	aaaattgtca	gttctatagt	aaccagcatg	cttacctctt	tggttttata	660
ttaagggtgt	gatagcaaaa	ttgaatattt	gaaaatgtca	tttc		704

<210> 2741

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 2741

tncnaanggn	tngnantcnc	ctctnngnag	gancccntcg	attcgaattc	ggcacgaggt	60
caagcctgta	atcccaacac	tttgggttna	ccgaggtggg	ggtatctgat	tgagcctngg	120
aggctgagat	cagcctggga	aacacaggga	ggccccatc	gctacaaaat	atttttaaaaa	180
ttagccaggt	gtggtggctt	gtgcttggtg	nccgggctac	ttgggagggt	gaagtgggag	240
ggtggttga	gtncaggagt	tcactgcact	gagctgtgat	cacaccactg	cactccagcc	300
tggacgacag	agtgagacgt	ccatctcaaa	aaaaaaaaata	aaaaactcga	gcctttanaa	360
ctatagttag	togtattacg	tagatccaga	cntgataang	atacattgat	gagtttggac	420
aaaccacaac	tagaatgcag	tngaaaaaaaa	tgctttattt	gtgaaatttg	tgatgctntt	480
gctttatttg	tanccattat	nagctgcnat	aancaagttt	aacaacnaac	aattgcatnc	540
attttatgtt	tcangttcaa	gngggaggtt	ctgggnaagn	tttttttnatt	tncgggccng	600
ctggcgccat	tggcattggg	ccccggtncc	ccaaactttt	ngtccccctt	ttatctggan	660
ggggtttaat	ttgnctccct	ttnggccgat	tatcatgggn	caatagcatg	ntcttnccctg	720
ngggnggaaa	attngtttat	tccttncaaa	cnn			753

<210> 2742

<211> 702

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(702)

<223> n = A,T,C or G

<400> 2742

tcaatacnag	ctntngntct	ntttgcagga	tcccatcgat	togaattcgg	cacgagcaag	60
aagagttttc	tgttcagttt	ggaacaagat	tttgagaaga	catttaggat	gtactagttt	120
gagtttttaa	atgtatattt	gagatatttt	ctcaactttc	tctttgggtc	tgtagctaaa	180
atatgcagta	taatgtttta	tttattttatt	ttttaagaga	tgggggtctag	ctattttgcc	240
caggcagact	caaattcctg	ggctcaagtg	atcctctgcc	ttggcctcct	gagtagctgg	300
gacttacaga	catgtgccac	caaacctagt	ggctatataa	tttttaaaaa	tattcttagg	360
atatctttac	atacttttct	taaaaaaaaa	aagttaacct	ttgtagttct	gtacctttca	420
gtagtctgca	aattttctac	caaaaaaaaa	cccaagaatt	tatttgggaa	ttattaaaaa	480
ggcaacaat	gaatgttatt	aggacaagaa	tatagcagtc	aggaggccat	gactacatca	540
cagccaggcg	gcattccctg	ccacagtggc	ggcttgaatc	atcaagaaat	ggataaatgg	600
ggcttttagta	aatcaggctt	gcaggctcaa	agctgcaatc	tgccactctt	cagggtctgag	660
actttgtggg	cctcagacac	caggaagaaa	gttgggatac	an		702

<210> 2743
 <211> 709
 <212> DNA
 <213> Homo sapiens

<400> 2743
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 gccaggatgg tcttcaactt ctaacttcgt gatccacgct gctgggatta caggtgtgag 120
 ccaccgcgtg tggcctctgg gcaccttttg aagctgaagc agagagagaa ggcggcaggc 180
 atcagcggtt tcttctatga acttataaga tcaaagactt taagactttc actatttctt 240
 ctaccgctat ctactacgaa cttcaaagag gaaccaggag tacggaagga gcatgaaagt 300
 ggacaaggaa cgtgaccatt gaagcaccac agggaggggt tcaggcctcc ggatgactgc 360
 aggcaggcct gggtaacatc cagcctccca caagaagctg gtggagcaga gcgttccctg 420
 actcctccaa ggaaaggaga ctccctttcc cggctctgctc agtaacgggt gccttcccag 480
 aactggcgt taccgcttga ccaaggggcc ctcaagcggc cttatgctg gcagacaga 540
 aggtccctct cttgccttct attcacttct cacaatgtcc cttcagcacc tgaccctata 600
 cctgcgggtt attcctaggt tatattatta atgcaacaga gtaatattaa aagctaata 660
 ttaataatgt ttataataat gatggataat tggctcatgat catcgctgg 709

<210> 2744
 <211> 709
 <212> DNA
 <213> Homo sapiens

<400> 2744
 cagctcttgt tctttttgca ggatcccatc gattcggtga gacggagttt caccatgttg 60
 gccaggatgg tcttcaactt ctaacttcgt gatccacgct gctgggatta caggtgtgag 120
 ccaccgcgtg tggcctctgg gcaccttttg aagctgaagc agagagagaa ggcggcaggc 180
 atcagcggtt tcttctatga acttataaga tcaaagactt taagactttc actatttctt 240
 ctaccgctat ctactacgaa cttcaaagag gaaccaggag tacggaagga gcatgaaagt 300
 ggacaaggaa cgtgaccatt gaagcaccac agggaggggt tcaggcctcc ggatgactgc 360
 aggcaggcct gggtaacatc cagcctccca caagaagctg gtggagcaga gcgttccctg 420
 actcctccaa ggaaaggaga ctccctttcc cggctctgctc agtaacgggt gccttcccag 480
 aactggcgt taccgcttga ccaaggggcc ctcaagcggc cttatgctg gcagacaga 540
 aggtccctct cttgccttct attcacttct cacaatgtcc cttcagcacc tgaccctata 600
 cctgcgggtt attcctaggt tatattatta atgcaacaga gtaatattaa aagctaata 660
 ttaataatgt ttataataat gatggataat tggctcatgat catcgctgg 709

<210> 2745
 <211> 727
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (727)
 <223> n = A,T,C or G

<400> 2745
 tnnnnnttt tgnanttga tncctggctc tegtcttttc tgcaggatcc catcgattcg 60
 cagagatgat agcacttcat tgactgccaa agaggatgtc agcataccca gatccacatt 120
 aggagacttg gacacagttg cagggctgga aaaagaactg agtaatgccaa aagaggaact 180
 tgaactcatg gctaaaaaag aaagagaaag tcagatggaa ctttctgctc tacagtccat 240
 gatagctgtg caggaagaag agctgcaggt gcaggctgct gatatggagt ctctgaccag 300
 gaacatacag attaaagaag atctcataaa ggacctgcaa atgcaactgg ttgatcctga 360
 agacatacca gctatggaac gcctgaccca ggaagtctta cttcttcggg aaaaagttgc 420

ttcagtagaa	tcccagggtc	aagaaatttc	aggaaaccga	agacaacagt	tgctgctgat	480
gctagaagga	ctagtagatg	aacggagtcg	gctcaatgag	gccttacaag	cagagagaca	540
gctctatagc	agtctgggtga	agttccatgc	ccatccagag	agctctgaga	gagaccgaac	600
tctgcagggtg	gaactggaag	gggctcaagt	gttacgcagt	cggctagaag	aagttcttgg	660
aagaacttgg	agcgcttaaa	caggctggag	accctggccg	ccattggang	tnggggaact	720
ggaaagt						727

<210> 2746

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (706)

<223> n = A,T,C or G

<400> 2746

tnnnncttca	aatcgcnagg	ctacttggtc	tttttgcagg	atcccatcga	ttcgaattcg	60
gcacgaggtt	gctgtcactt	ggatttctag	ctttgggagc	ctgttccacc	tactcagctc	120
tgcattgagc	agtatgggca	catgccctgt	ggacagttac	tggacgttaa	tgaactcaga	180
ggagaaaaagc	agttagccac	ttgttctgtg	tgatttatgg	tacttcattg	ctcttccttc	240
acctctagtc	actttctatt	gctacctgcc	ctacattggc	tctgccaag	gtccctctct	300
ctccctgttt	tccttttttt	ttttttttga	gacggaggac	ggagtcttgc	tctgtcgccc	360
aggttggagt	gcagtggcgc	gatctcggct	cactgcaacc	tccacctccc	gggttcaagc	420
gattctcctg	cctcagcctc	ccgagtagct	gggactacag	gcgcgcgcgc	ccacgcccgc	480
ctaattttta	tatttttagt	agagacgggg	tttcaccatg	ctggccaggc	tggctctcgaa	540
ccccgacctc	gtgatccgcc	tccttagcct	cccaatcctc	tcttaaaaaa	gtgatagctc	600
agaaatattt	gtaaaagcaa	ggtttttatt	tcatttttgc	tctgcatttt	cagaggcaaa	660
gaagtttggc	ctgtaaaata	gagtgtctaga	gctcttacc	cctccc		706

<210> 2747

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (807)

<223> n = A,T,C or G

<400> 2747

ggnnnnnggg	ganttttagat	cagctcttgt	tcttttttga	ggatcccatc	gatttgaatt	60
cggcacgagg	tgtgtgtgtg	tgtgtgtgtg	gaggagagaa	agagaccatt	atcatatgag	120
tgtgttgggg	ctgctgagag	ggtttcgttt	acaagtgacc	ttgagtgtat	ttcatctctg	180
gaatgcatgg	tccttgcgct	caagctacac	aatctgatta	gtgaagtatt	actaatacac	240
tagaaaaata	tacatagtaa	ttaccaaagt	actgacacaa	ttttataggg	ggttcanaga	300
aacatctgtg	aatgggtaat	aatgaaaaaa	gaaaagnttt	tctctttgtt	ntagtctgac	360
ccttttaaca	gtctctattc	ataatgtgag	gaaatcgcta	caaaaactga	aatattgtan	420
atactgttca	ttngcatatg	gaaatacttg	tatgctgtgt	gttgttcttt	catgggacaa	480
actctacccc	tnctctntnc	acacacatat	anccaagcta	taagttagcc	tanccttctgc	540
cataggaagt	tgctggcttt	tttantgaga	agtcaaagaa	cctggcttgn	taaaagtctt	600
tataagaaan	naananttnc	tttnnnntta	nnntnnncnn	atgntnnntn	annnnnnntt	660
nnnnntnaen	nnnanannnn	annanttnnc	naancatatt	antgtnanan	annnnaatat	720
nnnanantnn	tttnnancn	ngnntntntn	nnnaannnnn	annnnntnann	nnantntntan	780
nnaattnncn	nnntntntnn	gnnnncng				807

<210> 2748
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (716)
 <223> n = A,T,C or G

<400> 2748

tnnnnnntttt tnaaccagnn ttcnaatcct tggcggnnagg ctacttggtc tttttgcagg	60
atccccatcga ttcgaattcg gcacgagaag aaaggctgcc tttgagttga ccaaccatgt	120
tgagggtggt gatgggtgct aaactcactg tagtctgagt aattgacttc cacaagtcac	180
ccccactggt gagcctttca aaatgaagtc tcagtatatt tacaaattaa tggacatcct	240
ctctggggat tagtcatatt ctaattcaac aaagacattg tttgaagttt gtttttggtt	300
gctaaatgaa ctaaaaaatta tgagatttgc acctaaagggt actgaggtaa aggagagcca	360
aaagtggggt agtcaatcta cttattcaga atgagtcgat aatttaaaca tgtctaatag	420
cagagacagt atattataga aatggcatta cattctctga gatctgcttt tactgaagtg	480
gatcaatgat gaaactagcc aaatctgagc atcagaaggc tttccggtct acctgatgca	540
tgatctctac agttctgaga agcagaacta taaaacaatg taaaacaata agggcatatg	600
tctggtgtgt gtgtgggggg tgtgtgtgtg nnnnnncnnnn nnnnnnnnnnn nnnngnnncnn	660
nnnnngnnnn nnnnnnnntnn nnnnnngnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnc	716

<210> 2749
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (718)
 <223> n = A,T,C or G

<400> 2749

tnnncttttt aaactgcnt tcaattncn agacnctngg ctctngntct ntntgcagga	60
tcccatcgat tcgaattcgg cacgagnaag aaaggctgcc tttgagttga ccaaccatgt	120
tgagggtggt gatgggtgct aaactcactg tagtctgagt aattgacttc cacaagtcac	180
ccccactggt gagcctttca aaatgaagtc tcagtatatt tacaaattaa tggacatcct	240
ctctggggat tagtcatatt ctaattcaac aaagacattg tttgaagttt gtttttggtt	300
gctaaatgaa ctaaaaaatta tgagatttgc acctaaagggt actgaggtaa aggagagcca	360
aaagtggggt agtcaatcta cttattcaga atgagtcgat aatttaaaca tgtctaatag	420
cagagacagt atattataga aatggcatta cattctctga gatctgcttt tactgaagtg	480
gatcaatgat gaaactagcc aaatctgagc atcanaaggc tttccggtct acctgatgca	540
tgatctctac agttctgaga agcagaacta taaaacaatg taaaacaata agggcatatg	600
tctggtgtgt gtgtgggggg tgtgtgtgtg tntnntnann cncgtnnntn nnancnnann	660
ntnncnann ntgattncnn ttnntctnan nnnntttnnn tntttcttna atnnncac	718

<210> 2750
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (718)

<223> n = A,T,C or G

<400> 2750

tnnncttttt	aaacctgcnt	tcaattncn	agacnctngg	ctctngntct	ntntgcagga	60
tcccatcgat	tcgaattcgg	cacgagnaag	aaaggetgcc	tttgagttga	ccaaccatgt	120
tgaggtggtg	gatgggtgct	aaactcactg	tagtctgagt	aattgacttc	cacaagtcac	180
ccccactgtt	gagcctttca	aaatgaagtc	tcagtatatt	tacaaattaa	tggacatcct	240
ctctggggat	tagtcatatt	ctaattcaac	aaagacattg	tttgaagttt	gtttttgttt	300
gctaaatgaa	ctaaaaatta	tgagatttgc	acctaaagg	actgaggtaa	aggagagcca	360
aaagtggggt	agtcaatcta	cttattcaga	atgagtcgat	aatttaaaca	tgtctaatag	420
cagagacagt	atattataga	aatggcatta	cattctctga	gatctgcttt	tactgaagtg	480
gatcaatgat	gaaactagcc	aaatctgagc	atcanaaggc	tttccggtct	acctgatgca	540
tgatctctac	agttctgaga	agcagaacta	taaaacaatg	taaaacaata	agggcatatg	600
tctggtgtgt	gtgtgggggg	tggtgtgtgt	tnntnnnann	cncgtnnntn	nnancnnann	660
nttnncnann	ntgattncnn	ttntctctnn	nnntttnnnn	tnnttcttna	atnnncac	718

<210> 2751

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (726)

<223> n = A,T,C or G

<400> 2751

tgnnnnnttt	ntaanccggg	nnnttcaa	cgcttgcccc	taggctactt	gttctttttg	60
caggatccca	tcgattcgaa	ttcggcacga	gagnaataac	taccagacaa	catttgtaa	120
aactcaggac	agtatgtatt	ttaaaggagc	aagtgcattg	gtgaaaatgg	ctcattcagt	180
ttataaaata	ttacattaaa	tttgaggttt	ctgttttttt	tcttttgtga	cagtcttgct	240
ctgttcccca	tgctgtagt	cagtggcacc	agttcacctc	actgtaactt	ccacatcctg	300
gtttcaagca	atgtgtgcct	cagcctccca	agtagctggg	attacagtca	tgccaccatg	360
tccagataat	ttttatattt	ttttgtagag	atggtgtttt	accatgtttg	ccaggctgat	420
ctcaagcttc	tggtctcaag	tgatttgcca	ccttggcccc	acaggttgct	gagatctcag	480
gcatgagcca	ccacacctgg	ccaatggggc	gtttcttaaa	atagctacta	gactatgacg	540
tttatectaa	ggtttgaagt	ctatcatctt	ccttacatat	ccttcattgt	ggtatctggg	600
aatgaatcaa	caagatgaga	gagccttctt	cattcagttg	ggctccttca	tttccatgct	660
tcctgaagat	taaggncact	gaatttaaaa	ttcaatattc	tgtgagttac	acaccatgga	720
gtaacn						726

<210> 2752

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (710)

<223> n = A,T,C or G

<400> 2752

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cgaattcggc	acgaggtcac	tctgtcaccc	aggctggagt	gcagtgggtg	gatcatagct	120
cactgcagcc	tctacctcct	gacacaagct	gtcatcccg	tttggtctct	caaagtgcata	180
ggattatag	cgtgagccac	catgcccagc	cagtttctgc	ttttattaaa	attgttcaca	240

gttttataca	ttcatgttca	ttaaaaatgc	tatttagaaa	agagtttgat	aaaataaata	300
ttatacaaaa	ttcgaagaaa	aaagaaaaga	gtttctgttt	cagtcacaaa	ttagggttat	360
tgtgatgtgt	atztatgatg	accattgaac	aaatgtgaag	aatactgtga	attctatgac	420
tttatcaaaa	tcagccacat	ccaggagctt	gcagttgttg	accaaataaa	tgatgacata	480
gagtagttca	gatctatcat	gtgctcttct	atctaatacag	tcaatatttc	cttggccctc	540
aagccaacat	tcatttttta	tgtataacct	tcttcatgat	tttgaaattt	tgatagggtg	600
actgctaata	agttcacaaa	tgtagcactt	taaaaggaaa	ataaatggag	agtgaataca	660
acttggctac	gtataattgt	ggggttttta	ttttctgtgt	ttaaaanaaa		710

<210> 2753

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2753

tnnncttcaa	atcgntngct	cttgttcttt	ttgcaggatc	ccatcgattc	gaattcggca	60
cgagagatta	tgagcatgta	gaagatgaaa	cttttcctcc	tttccacct	ccagcctctc	120
cagagagaca	agatggtgaa	ggaactgagc	ctgatgaaga	gtcaggaaat	ggagcacctg	180
ttcctgtacc	tccaaagaga	acagttaaaa	gaaatatacc	caagctggat	gctcagagat	240
taatttcaga	gagaggactt	ccagccttaa	ggcatgtatt	tgataaggca	aaattcaaag	300
gtaaaggcca	tgaggctgaa	gacttgaaga	tgctaatacag	acacatggag	cactgggcac	360
ataggctatt	ccctaaactg	cagtttgagg	attttattga	cagagttgaa	tacctgggaa	420
gtaaaaagga	agttcagacc	tgtttaaaac	gaattcgact	tgatctccct	attttacatg	480
aagattttgt	tagcaataat	gatgaagttg	cggagaataa	tgaacatgat	gtcacttcta	540
ctgaattaga	tccctttctg	acaaacttat	gtgaaagtga	gatgtttgct	tctgagttaa	600
gtagaagcct	aacagaagag	caacaacaaa	gaaattgaga	gaaataaaca	ctggccttgg	660
aaagaaggca	ggcaaagctg	ctgagtaata	gtcagaccct	aggaaatgat		710

<210> 2754

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(727)

<223> n = A,T,C or G

<400> 2754

gtnnnnnttt	ctaanttgnn	ncttnaaatt	nctaancgct	tgttctttnt	gcaggatccc	60
atcgattcga	attcggcacg	agcttacttt	gatcctcgtg	aggcataccc	agatggaagt	120
agcaaagaaa	agagaagagc	agcaattgcc	caggccttag	ctggcgaagt	cagtgtgggtg	180
cctccatctc	gtctcatggc	attgctggga	caggcactga	agtggcagca	gcacagggga	240
ttgcttcctc	ctggtatgac	catagatttg	tttcgaggca	aggcagctgt	caaagatgtg	300
gaagaagaaa	agtttcctac	acaactgagc	aggcatatta	agtttggtca	gaaatcacat	360
gtggagtgtg	ctcgattttc	tccagatggg	cagtatttgg	tactgggtgc	tggtgatgga	420
ttcattgaag	tatggaactt	tactactgga	aaaactcagaa	aggatcttaa	gtaccaggcc	480
caagataact	ttatgatgat	ggatgatgct	gtcctctgca	tgtgtttcag	canagataca	540
gaaatgttag	caactggggc	ccaagatgga	aaaatcaagg	tgtggaagat	tcagagtggga	600
caatgtttta	ngagatttga	ganggcacac	agtaagggtg	tcacctgtct	aaacttttct	660
aaggatagca	gtcagatcct	taatgcttct	tttgaccaga	caattagaat	tcattgggtta	720

aaatctg

727

<210> 2755

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 2755

cttcaaactcg	ctnggctact	tggtcttttt	gcaggatccc	atcgattcga	attcggcacg	60
agggcagacc	atccacatca	gtttcagaga	aaaacaataa	tcttgtttgt	gccgtgatga	120
agaggactga	cagctaacag	cagaaacaat	agtcaggagg	ttgagaacag	gctggttaac	180
atggtgaaat	gccatctcta	ttaaaaatac	aaaaattagc	taggtatggt	cgcagacacc	240
tgtaatccca	gctccttggg	aggctgaggt	gggagaatcg	cttgaaccca	ggaggtggaa	300
gttgcaagtga	accgatagt	ccattgcact	ccagcctggg	caacaagagt	gaaactttct	360
ctcaaaaaaa	aaaaaaaaag	atgtcaagcc	ccttctcttc	ctttctccac	catcatggtg	420
tgtacttgac	tctgcttctc	accagatctt	ctcataagac	tatcaggatt	aagcaattcc	480
tggccaagaa	aaaaagcaaa	attgttccat	tccccagtgg	attcagatga	aaactggtaa	540
taaaatcagg	tacaacttta	aaaggagaca	ttggagaaga	accaatccgt	gtctataagg	600
aattgtcatg	agatggcaca	catttttatg	ctgtctgagc	attcaatcac	gttaccatat	660
caagcagaaa	atgtcaccat	tatctggaga	gttggacatg	ttttattg		708

<210> 2756

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 2756

ttnnnnnttt	aancnttcaa	atcnctaggg	tacttggtct	ttttgcagga	tcccatcgat	60
tcgaattcgg	cacgagccca	cactcggaca	ctgtggaatt	ctaccagcgc	ctgtcagaccg	120
agacactctt	cttcattctc	tactatctgg	agggcactaa	ggcacagtat	ctggcagcca	180
aggccctaaa	gaagcagtca	tggcgattcc	acaccaagta	catgatgtgg	ttccagaggc	240
acgaggagcc	caagaccatc	actgacgagt	ttgagcaggg	cacctacatc	tactttgact	300
acgagaagtg	gggccagcgg	aagaaggaag	gcttcacctt	tgagtaccgc	tacctggagg	360
accgggacct	ccagtgcac	cggccccctnc	ctctaccac	ccccttcccc	cgcattgctga	420
tccccctgcc	caggttaagg	ccctgccctg	gaagactgga	gggaggcccc	aagccacggg	480
gcatccccct	ctcccaggaa	gcagggagg	ggccgggagg	ttttcctctc	aagccccacc	540
ctggggggccc	gggggagagg	gctgccccct	cctccccctc	ccagtgaggg	acattttttg	600
gtaaaacctt	ttttcatttt	ggaaaatatt	tatgaataaa	tagttttata	tgaaaaaaat	660
tntngnnntt	nnnatnnnan	aataaaancn	tcgnncctct	taaaactata	gtgaagtcgt	720
attaccttag						730

<210> 2757

<211> 710

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (710)
 <223> n = A,T,C or G

<400> 2757
 tntatntaca gctacttggt ctttttgcag gatcccatcg attcgaattc ggcacgagac 60
 caagagaacg cggtcagaag gaggtggaac tggggaggtcc tctcagggag ggacaagcaa 120
 aagactcaaa gtagatggac agaaaaactg ctgtgaggag gggaaagagg agcagcaggg 180
 atgtgcaggg gacgggtggg aagacagggg agaagagatg gttatagagg ttggagagat 240
 ggtgcaggac tgggccatgc agagccctgg gcagccaggg gacctgcccc tgaccactgg 300
 aaagcatgga gcccctggag aagaggggca gcccagccac gcagccctgg cagagcgggg 360
 gcccaggga catgaggcag cccaagaatg gtctcagggg gaggcaggga agggggcatc 420
 cctgccctcc tcagcgagct ggcgctgtgc cttgtggcac cgagtgtggc aagggcgggc 480
 gcgagcccg agacgcttgc agcagcaaac caaggaggga gctggagggt gcgctggcac 540
 aagagcangg tggctggcga ctgaagctca ggtcacccan gagctgaaag gactgaatgg 600
 tggccaaaga aaggcccaga aactgagccc ctgctgaact tttgtggccg tcttgtcttc 660
 ccggctgacc cgaatgctta ctgtgacccc gcttcangat cccaaggnc 710

<210> 2758
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (716)
 <223> n = A,T,C or G

<400> 2758
 tnnnnnttca aatngnnagc tcttgttctt tttgcaggat cccatcgatt cgaattcggc 60
 acgagccaga gctggcagaa gaaaacagta aagcttagag tagaaataaa tgaaataaag 120
 aacagaaaaa tatagaaaat caaaaatacc aaaagtggc tctttgaaa gatcaacaaa 180
 attgccaaac cttttaagta gacaagaaag aatgaattgt tgggtgggca gtgggtgagca 240
 tagctgcttc tcaageaagaa aaaaagactca aatgaataaa atcaagaatg atcaagaatg 300
 agagagtaga cattactaca gatcttacag aaatgaaagg attattaatg agtactgtga 360
 acagttgcat gccacaat agtctaagt aactagacaa atatctagaa agacacaaaa 420
 caaccaaaac cgaatcaaga aaaaaatata aaatctgaat acacgtataa caagtaaaga 480
 gattaaattg gtaccacaaa gaaaaactgt caccaaggta aagtccagac ccagatggct 540
 tttttggtga attccaccaa atgtttaagg gagaattaac accaaatcta aaactaaacc 600
 agacagagac attgcaagaa aaccacagac caatatccct tatgaatata gatataaaat 660
 cctcaacaaa gtactagcaa atcaagtcca tgaacatata caattctatt ttactt 716

<210> 2759
 <211> 715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (715)
 <223> n = A,T,C or G

<400> 2759
 gtnnnncttc aaatcgcttg gctactcgnt ctntntgcag gatcccatcg attcgaattc 60
 ggcacgaggg gtgcagtggc tcaactcctat aatcccagca ttttggaagt cctatgcagg 120

aggattgcc	gaggccagga	at ttgagatc	agcctgggca	acatagtgaa	actctcatct	180
ttataaaaag	taatattaaa	at ttttaaaa	gtgtataaac	tgtaaagtat	at ttttactgg	240
tg ttttcttc	cttattccta	cttgtcagat	gcaaatacac	at tttttgtgt	gtttgtgttt	300
agtaattata	agtatacata	tttcttctat	ttcatatatt	tctatgacat	tatatccttag	360
atgtgtaatt	tatgaactac	tactggatta	ttttaatcca	ttagaaatta	ctattcacgc	420
attctgtatt	caattcatgt	gatagctaatt	atatttgggt	ttaaattgcat	cttattttgt	480
gg ttttcttc	taggctgttt	tttgtgcttt	cttttaaaaa	tatatagggt	ttaataatct	540
taattttctt	ttagtttgaa	atgtatatac	tcattttatt	cattagtcta	agataaagaa	600
ttgtaacact	tctctaacct	attatanaat	tgntaatacc	tttacccttc	tcttgaacac	660
atcaaaaagga	tgtcattgag	tg ttgggtatt	ggagtatagc	atatctatta	ttcng	715

<210> 2760

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (706)

<223> n = A,T,C or G

<400> 2760

ctttaaatct	caagctcttg	ttctttttgc	aggatcccat	cgattcggga	gagaaacctt	60
atggatgcat	tgactgtggc	aaggccttca	gccagaagtc	ttgccttgta	gcacatcaga	120
gatatcatatc	aggaaagact	ccctttgtat	gtcctgaatg	tgggcaacct	tg ttcacaga	180
agtcaggact	cattagacat	cagaaaattc	actcaggaga	gaaaccttat	aaatgcagtg	240
actgtgggaa	agccttcctt	acaaagacaa	tgctcattgt	acatcacaga	actcacacgg	300
gagagagacc	ctatggctgt	gatgagtgtg	agaaagctta	cttctatatg	tcttgccttg	360
ttaaaccataa	gagaatacac	tcaagggaga	aacgggggga	ttcagtgaag	gtggaaaatc	420
cttccacagc	aagtcacagc	ttaagtccta	gtgaacatgt	gcaggggaaa	agccctgtta	480
atatggtaac	tgtggcaatg	gtggcagggc	agtgtgagtt	tgccacatc	ctgcattcat	540
gataaacagt	ttgctgtttg	atcatatagc	ctncagcggg	atgctgagtt	tg tcatgtcc	600
catgggcctt	tggctccctg	cactaatatg	tatagtaggg	tttacaagat	atgaaatata	660
ttttactttt	ttatatctta	taaacctcac	tacccttccc	acaata		706

<210> 2761

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (726)

<223> n = A,T,C or G

<400> 2761

tnnnnntttt	ntaatcnngn	nttnnctttg	caaatecgana	ngctacttgt	tctttttgca	60
ggatcccatc	gattcgaaat	cggcacgaga	tggtgttttc	acctggaagc	tgagaagaaa	120
ggggctttta	tggaacaaat	agcacatcaa	gctgttgtaa	tgcagtttat	tatggaaatg	180
gccaaaaact	gtaatgtgga	tccaagaggg	tg ttttcgtt	tatttttcca	gaaagccaaa	240
gcagaggaag	aagggttatt	tgaagcattc	aaaaatgaac	ttgaagcttt	caagtcaaga	300
gtaagacttt	attctcaatc	acaaagtttt	caacctatga	cagttcagaa	tcatgttccc	360
cattctgggtg	ttggatctat	aggtttatta	gaatccttac	cacagaatcc	agattatctt	420
cagtattcta	tcagtacagc	tctctgcagc	ttaaactcgg	tggtacataa	agaagatgat	480
gaacccaaaa	tgatggacac	tgtataattt	gg ttaagact	gctgaggcca	agtgtctattt	540
tg ttacaaga	aaggaagaac	ttggctattt	tcttgacact	tttatgggtg	ctgcacttta	600

tttttgtttg	gtttttgatg	ggagggaaa	agtgactgaaa	tggtttttaa	atttttttta	660
atgtgctgct	agggtttttg	ttttgtttgg	tctgaagaga	agagtgggtcc	atatgttgca	720
ggaagt						726

<210> 2762

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2762

cntncttttg	aanrtgnaaa	tnctnngct	acttgttctt	tttgaggat	cccatcgatt	60
cgaattcggc	acgaggtcac	tctgtcaccc	aggtcggagt	gcagtgggtg	gatcatagct	120
cactgcagcc	tctacctcct	gacacaagct	gtcatcccg	tttggcttct	caaagtgcta	180
ggattatagg	cgtgagccac	catgcccag	cagtttctgc	ttttattaaa	attgttcaca	240
gttttataca	ttcatgttca	ttaaaaatgc	tatttagaaa	agagtgtgat	aaaataaata	300
ttatacaaaa	ttcgaagaaa	aaagaaaaga	gtttctgttt	cagtcacaaa	ttaggggttat	360
tgtgatgtgt	atztatgatg	accattgaac	aaatgtgaag	aatactgtga	attctatgac	420
tttatcaaaa	tcagccacat	ccaggagctt	gcagttgttg	accaaataga	tgatgacata	480
gagtagttca	gatctatcat	gtgctcttct	atctaatac	tcaataattc	cttggccctc	540
aagccaacat	tcatttttta	tgtataacct	tcttcatgat	tttgaaattt	tgatagggta	600
actgctaatt	agttcacaaa	tgtagcactt	taaaaggaaa	ataaatggag	agtgaataca	660
acttggctac	gtataattgt	gggttttta	ttttctggtt	ttaaaaaaa		710

<210> 2763

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(740)

<223> n = A,T,C or G

<400> 2763

gnaaatnngc	tcnntgcng	ctncttgnct	tttttgcagg	atcccatcga	ttcgttttga	60
cattgtttaca	agtaagcagc	tttattgggt	cttttactta	cgtcttttaa	tatatggagc	120
aacagtacgg	tcagtctgca	tctcatgcta	actttttgtt	gggaatcata	accattccta	180
cgtttgcaac	tggaatgttt	ttaggaggat	ttatcattaa	aaaattcaaa	ttgtcttttag	240
ttggaattgc	caaattttca	tttcttactt	cgatgatata	cttcttgttt	caacttctat	300
atttccctct	aatctgcgaa	agcaaatcag	ttgcccgcct	aaccttgacc	tatgatggaa	360
ataattcagt	ggcatctcat	gtagatgtac	cactttctta	ttgcaactca	nagtgaatt	420
gtgatgaaag	tcagtgggaa	ccagtctgtg	ggaacaatgg	aataacttac	ctgtcacctt	480
gtctagcagg	atgcaaatcc	tcaagtggta	ttaaaaagca	tacagtgtct	tataactgaa	540
gttgtgngna	agtnactggg	ntncaganc	ngaaaattac	tcancgcact	tgggggtgaat	600
gccaagaga	taatacttgt	ccaanggaaa	tttttcatct	atgttggcag	ttcaggncct	660
aaaactcttn	ggctctctgg	acaaggaggn	nccacattaa	tttggtnact	gtgaanattg	720
ttcnncctga	attggnaagg					740

<210> 2764

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(734)

<223> n = A,T,C or G

<400> 2764

anngttnatg aagcnccttg naannnccnn cnangagncc tcgatncgca atgaactact	60
ctgcagcctc atttttttaa aaatgagata ggtnagtgtg gatataaata actgtccaac	120
atatatagct gagtaacana aatagcnaac tagaaaacna tgtattatnc catntgtgct	180
gaaatatgna tgnatggtatg tgnaaatatg tatggntgta tagacagatc ttttctaaaa	240
ttttttcatt nntaattnnn gtgggtacat actangtata tatntttgng gggctcctgag	300
gtattttgat acaggcatgc aatgtgaaat aatcacatnn ncntnnntgg ggtatccatc	360
cccncaagca nttgatctnn tgtgtgcaaa cattccaann gnatnccttt agttntccat	420
aaatgngcaa tnaanntngn ctatngtcnc tntggagann natcngnant natctcaatc	480
nncccatntg tnaacttganc cattgaccat tcccaccaat cctgaatgcc tcantaccct	540
tctcaccnat ggnnctcttg cttatangct ntntgtcnat gagttcaatc gtagtgantt	600
taganncnng acttccatgc gaacatgntn aaggccggcc tntntggcct ggncttactt	660
aaatnaacca taatttgcc natgacagga acggatactn tgctaacggc cnnatagttc	720
cncatttggg accc	734

<210> 2765

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(728)

<223> n = A,T,C or G

<400> 2765

ggnnnnntnt nnanatacag ctacttggtc tttttgcagg atcccatcga ttccaattcg	60
gcacgagtag ggtcttagta ctgggttggg cataattata ctcaagtgtt gggcctctgc	120
taaaattcta agacgataag aatatcagtt taagtctctg tacagttggt ttcatgaagc	180
ttgtaagatt gatattttaag tggacaaagt ggggaagtagt cagttttcag ggctccaggg	240
gtcatcactt tgtgctcaga gtacagctgt caactagtga tttggtgcat ttagacaagg	300
aacaggagca aagggcctat ttcaagaggg tcatagacac tgccttggtga taagtgaatg	360
gctagagggt ttcttggtaa actgaagtcc ttttcacatt tttagctttt tctgtggcaa	420
cctgtctttt acagaagcta ctcatgaact ctggcttttc attttcaggg ttgggctgga	480
cattctttga tttntgntt tgnntgntt tctgagacag agtctctctc catcaccag	540
ctggagtga ctggcgtgat ctgcctcact gcaatctctg tctctcgggt cnggtgatct	600
cctgcctcag nctnccaggt agntgggact gcagtttcat gctacacgcc caggtaaatt	660
tttgngattt tgatagaana cagggttttg ncatgttggc cgggctgnct cnaactcctg	720
acctnaat	728

<210> 2766

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(712)

<223> n = A,T,C or G

<400> 2766

cangctactt	gttctttttt	caggatccca	tcgattcgaa	ttcggcacga	gcatttcttg	60
tctttattaa	tttgacttct	ctagggacct	catttaaata	aaatcataca	gaatttgaac	120
ttttgtatct	ggataaaaaa	tatatacagc	attttgctga	ctgtaaaatg	tatttttttg	180
ggccgggtac	ggtggctcat	gcctgtaate	ccagcacttt	ggtaggctga	ggcaggtgga	240
tcacctgagg	tcggggagttt	gagaccagcc	tgaccaacat	ggagaaaccc	cgtctctact	300
aaaaataaaa	aattagccag	gcgtgggtggc	acatgcctgt	aatcccagat	actcaggagg	360
ctgaggcagg	agaatcgctt	gaacctggga	ggcggagggt	gcggtgagcc	gagatcgcg	420
cattgcactc	caagccttca	attcctatct	gtgagtaggt	cctcaaggct	tcctctgctc	480
ccagtcggac	aaccatcggt	ctgggacagt	actgattctc	cagctnctct	gcagacatct	540
tcttncaagg	aaccttgctt	gggaaaccca	caccaggcct	ntagaactat	agtgagtcgt	600
attacgtaga	tccagacatg	ataagataca	ttgatgagtt	tggacaaacc	acactagaat	660
gcagtgaaaa	aaancttatt	gngaaattgn	gaagctatgc	tttatttgaa	cc	712

<210> 2767

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 2767

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cacgagcagc	tactcgggag	gctgagggca	caagaattgc	ttgaaccogg	gaggcagagg	120
ttgcagttag	ccgagattgt	gccaccgcac	tccagcctga	atgacagagc	gagactccac	180
ctaaaaaaag	taaaagaaaa	aaaagaggaa	gaattagcac	atttctatta	cagaattgga	240
cttgaacatg	caaaatcatg	tctggatttc	tcagtgaaaa	gctgttttac	gttagtggac	300
tcttctaaca	ttttgaaatg	gtgatctgga	tttgggatct	ggctatcact	gacccacett	360
gggtctgtga	atgaccaact	cacctaggng	ggagtcagtt	acccctgccn	tacantggcc	420
catggancac	ctgcggnaag	aangnntttn	tgcttactga	ttcttncatc	tatggtgtcc	480
aattgggaag	gatcctgngc	cattgactga	nctctntgag	ggtgtttatn	aagcttgtgg	540
atccattctc	atgactactg	ggaaatttct	gtgaatttga	ccctgcccc	gaactggag	600
gcagcttttc	ccctnnaaag	gtnaaatcca	anccctatta	taactggggg	ganttgtnng	660
acaaaatttt	ngggctantt	taccgaccaa	anttttncct	gncctanaaa	tgttcgnacc	720
cnncccgna	tttggnnggc	ttcacccctc	c			751

<210> 2768

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(800)

<223> n = A,T,C or G

<400> 2768

gtaanntttc	naatgcttgg	ctactcganc	tctntgcagg	catcccatcg	attcgtncnt	60
cntgtntang	tcgncncagn	ccttantngg	gatacttaaa	tntactattt	ttncnngta	120
ctctcnagga	tttgatgatg	acttnncaga	ttnnatngng	nnaactnatn	ngagnataat	180
ccntgaacag	nntttgttct	ncncatnctt	ggagaggncn	tgntatatnc	agntcatgca	240
acactatcna	ntnagggtat	nncccgncat	ccatagtga	tnatngntaa	nccactngag	300
ggntncttan	nnatntctgt	nnagcncaga	ccncnatnan	nangannaag	agcacntgnc	360

atatngnagn gnnagttact ncanctntcnt gangtggaat acnnatgaca tcaatcgagn	420
tnaccatnac gcanntgtac tgaganttgn gancctcttt ntaccaggca tatgtcaatg	480
gtcnaanaga gnccatnna cntnnacnt tntggctnna tgtnngntcn ncnnttgman	540
gctntcctnt gcatgantgg ganntcaaan nttcnggacn ncaatttang ggncttaann	600
tnaaaggunc canncnnggg ctctcnataa taaccantan nggnaaaatc tgnaaacctt	660
gctctaccta nncctagggn gancctggga tttgtnnnnn naaaantccc aacccttnan	720
tacttgagan gntnccncgn ntttnnaagn nactttgnng atagcnncn aaatgttnnn	780
cnntcangn aatcnntgn	800

<210> 2769

<211> 718

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (718)

<223> n = A,T,C or G

<400> 2769

gctcttggtc tttttgcagg atccctcgat tcgaattcgg caccaggatc agtgaaaaac	60
attagtatac gtttttaaat aggctaattt ttcaacttgg atcattaggc ttacgtacta	120
cttgtttcaa atgtgtcaaa taaaaaatg gtaactaggc tgacagatac tttgtatttt	180
tcttttgaat tcagacctgg aatgtaagta agtgacaatg cttatggaaa gccagttagt	240
tagaattgga aatctgtctt gtcattttac aagcattaga ttcctttcct gtgtgaagaa	300
agcctcagtg aaacaggtct ttgccataac tttatgaagt gctacagaaa gcacaaagaa	360
ttgattcatg ttcataata cctgctgaga gtactgtccc aggaatatcc agtggatgga	420
ttcatcatcc aggaggttca aaagtaagat ggttttcaaa tcatttttga gactgggtgca	480
taacagcagg gtacctgaaa agagccttct gggagttagt gaactaggta natggttttg	540
ntcacatacg ccccatcaac ttaaaagtga atggccttgg tataaatgan gtcactatgg	600
acttacccta aagatcttct gtacttctgg cttccatagg acaaatgata agtnctactt	660
nctcatctct tnggggttatt aattggaann cttgcattca tgggtattga aattnaaa	718

<210> 2770

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (730)

<223> n = A,T,C or G

<400> 2770

gcaatagttg cnaatagcna ggctacttgt tctttttgca ggatcccatc gattcgaatt	60
cggcacgagc tttttctcac tgaaatattt aagcactgca ttttaagaaa acttctatt	120
cattcgtaga cttttatctg gccagatttc cactctgagg gcttttcttt ctagttatct	180
gacaaacct aaattttatt tcctttaagg gcaaaaccaa cctccaagca catttatggc	240
ccatgtttta agagctggcc gncctttcta tcctgtatct ctgggttaaag gtgttttctt	300
tntcttgag caaatttttc aaagaggggc taaagctatg tgttcctctg gagagaactn	360
ctgcctacc agcangaaag aaaatgccag agaagcctcc gacctgggtt ctgcccctgg	420
tagccaggtc tcaggctana agccttcttt ttgggtgcat tggagtcctt ctctacctca	480
cctttattgc acttcttctt tgggtcnnat gtatnctcct ctgnctnctt taaagantgg	540
caactttttg gactttggac aattcctgtg tagcaatctg ggctgatttt agagaggcct	600
tctgttctct cttccaatga gctgattggg tgatcagctg attttattac ctttccctgg	660
aggaagtana gtcccaggat gntggggaag gcccnnctgg gacctctgaa gccctttatg	720

ttgaccacctt

730

<210> 2771
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 2771
 gnnttnanan agctngnnnn nnnctacttg ttctttttgc aggatcccat cgattcgaat 60
 tcggcacgag cagactcgca ttatggacaa gtcccttctc cccacacaaa ggaagacata 120
 caccgcatag tccatttcat ttcagctcct gatggcatct gaccgccgtg gacacttccc 180
 agnggtntgg cttttggagg gagagtanag cggnggatga tctgtgccag ttggncaactc 240
 cttggatatt gnggttatnt ccaactggctc tgntgctcct ctgtgttgat tttcattaac 300
 tcatttcacc tnaatgaatt ctggagcctg gctganatng tgcntactct ntgncagagg 360
 atcatcatga acaacccctt atgtagcaag nttcccaggt tttttcagaa gtggtgaatc 420
 catgccttgg cattcntgga ttattccatg tcatgtcaga tcattcatna aatnnatatt 480
 gacacatgtc atgtgatgcn ttctatgctg acaccatcag gaattcaaaa nggtgaccac 540
 acgttgntnt gntcctgagg acttccaggg ttanaaaaaan anataaaaaa aacttgaggg 600
 ctntaaaact atatgagtc natttacgtn gnancngaca tgaatncnga atncattgaa 660
 tgaantttgg ccaancccn aactatgaat tgccgttgac aaaaaggcct ttttttngna 720
 aantttgngc tgcttttgnn tttaatttgn naacc 755

<210> 2772
 <211> 632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (632)
 <223> n = A,T,C or G

<400> 2772
 gttgagctgc tcttgntctt ncnctggtn natctgcagg atcccatcga ttcgaattcg 60
 gcacgagccc ttctgagmnt gtccattcat nggtggttct gccctactc cccnagccct 120
 naatacccga tctgctgttc ctaccnaten nncanccacc ggannntnca ttcagcnntt 180
 tgtctgaccc ctgnagcccn gagggngnga gcagtgcnnat acanctcctt tnncaattgc 240
 tggncagacn gctatntgtn nctnanattn aanactttct gtctanttcg anctgacntt 300
 cannactaac gctncaaten gngattcntt ctttaatecn tnaggtatct ntnattnctg 360
 ngctnangan gngccttnaa nngctgagct tacntgccng ngantgnngn tattgngann 420
 anggatnctg acattgnctt gntcacagtc nntntnagcg tgactgnga tganaancctt 480
 gaccctgacc attanttgc naccgattna ttgcctgatg tacanatctt gntgnnanga 540
 ccaactgatct agatgntctn atctanatna tcnactgntg acattgtcta aancatcacn 600
 natcaaagtt ttagatgcag tgnttgagaa tc 632

<210> 2773
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)... (744)
 <223> n = A,T,C or G

<400> 2773
 gtctatgctg gntannnata caggctactt gttctttttg caggatccca tcgattcgaa 60
 ttcggcacga ggaccaagga gatgtgagtg aaaatgatgc aggctgcttc cagggtgtgac 120
 cagtaagata ctccccacat aatcttccta ctctttcttc cctgtttggc atcccatgtg 180
 ctaagaatgg gaaccctgag gtcctatatg tggaaccata aggtaaatgt ctttgggctc 240
 tgaatctcac acagggctca ctgagaataa gaaacatcct tcttgggctt tgtatgaata 300
 agaaaatact agcaaatttt taagaaggaa gtaattccag tatttcacaa acccttccaa 360
 agaatagtaa aaacaaagag ctttcctttc ctcgttatct aaaattagcc taactttgat 420
 agcaaaacca gctaggagag ttgcaaagat aataatcaga agccagtctc actgaacata 480
 aatgtgaaag tcttcagcaa aatattagtc tacttcgtgt tcacatcttt cttatgggag 540
 actnttttgt ntgggttggt ttganatgga gtttcgctcn tggttgcccc ggctggagtg 600
 caatggccgt gactttggct naacccgacc tacgcctggg agacatTTTT attttcagaa 660
 tggaccatt ttctctactg gtntgggcnc aaaactagac tctggattaa ncctccccctg 720
 ngggttanga agtgggcat ntna 744

<210> 2774
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (760)
 <223> n = A,T,C or G

<400> 2774
 gtctatnctt tgaanctctt tgctacttgc nngntctgtn tgcaggatcc catcgattcg 60
 aattcggcac gaggatctct ttngaggatga tgggtgctntc cgagctgttt ctggagatgc 120
 tccagaggga ttttggctat agagtttata agatgctact gaggccttct gaaaaggctc 180
 tgtccccacc tgaacctgag aaggaggang cngccaagga agaagccacc aaggagggaag 240
 aagccatcaa agaggacgtg gtcaangagc ccaaggatga ggcacacaat gagggcccg 300
 ctacagagtc agaggccccc ctgaaggang atgggcttnt gcccaacca ctctcttctg 360
 ggggagagga agaattnaaa accccggggc gaggttctt gaggaacctg gtgagatngc 420
 cctggacca gaactggtgc ttngangga tgatggatag gaggaagttt gnaggagcaa 480
 agctggatga tncgtangtn cggtncnngn cctaaaccag tcacagatgg agttctntnc 540
 acttcaagac atgccaagg acntggatcc ctntgctnt gcttccctta nactgnetgg 600
 ttccttttag nggttctttt gatnccaact gatgtngctt ncttgaccg gccangactt 660
 ngnganggaa ccttcttacc cttgggatcc cggnttaaat ggnanaccan ggccaancca 720
 aatggtttac cnagggnngg ngaaccnnaa aaaaattttt 760

<210> 2775
 <211> 737
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (737)
 <223> n = A,T,C or G

<400> 2775
 gggnnnnnnn nananataca gntgttcttt ttgcaggatc cctcgattcg ctggaattag 60

attgtgtagg	gcccgaacatt	ggattttattt	taagtacaat	aggaagccac	tggaatgtga	120
taaccagagg	cttgatgtaa	tctagtctaa	tctattaaag	gattgctgtc	tagtttgtga	180
taaattggagc	cttgaccttg	gtgtcaagaa	attgtccttg	ataccagcaa	ggccaatttg	240
gaggttattg	ccattctgag	atgagaagca	gtaatgactt	ggtgtttatt	tgagatagaa	300
agcaagtaaa	atagaaacat	tttctggtag	tagaggcaag	aaaacttggt	gttaatatta	360
tcaaagcaga	taataagaaa	ttgttactgg	gttgtagtaa	ttatctcact	gatatttaaa	420
cccttgggtt	tattggactg	ggtggccgat	gtttgggtaa	gaaggaaatg	agaagtgttt	480
ttaatatggg	agatacctta	gcatatttat	aaacaaaaac	tgataaacia	ggacaaaact	540
tccacttatg	gtcacgggtg	agtaactgat	actggcccg	gttttctctc	cattaacaac	600
tagaaatctg	gttgcatacc	caaagaagct	ggctctgac	cacactaatn	aaattgnnaa	660
aaatncangc	tttaatgatc	taggatccca	aaagtantgt	ggtcaaagcc	aaatncaaaa	720
gtcttttaag	gaagacc					737

<210> 2776

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 2776

ggggnnnttg	caaatncnng	gctgttcttt	tgcaggatcc	catcgattcg	ccagcccctc	60
ctctccccgc	cttctgggag	gaggagggtca	cacgctgatg	ggcactggag	aggccagaag	120
agactcagag	gagcgggctg	ccttccgcct	ggggctccct	gtgacctctc	agtcccctgg	180
cccggccagc	caccgtcccc	agcacccaag	catgcaattg	cctgtcccc	ccggccagcc	240
tnccccactt	gatgtttgtg	ttttgtttgg	ggggatattt	ttcataatta	tttaaaagac	300
aggccggggc	cgngggctca	cgtctgtaat	cccagcactt	tgggaggctg	aggcggncgg	360
atcacctgag	gttgggagtt	caagaccagc	ctggccaaca	tggggaaacc	ccgtctctac	420
taaaaataca	aaaaattagc	ncgggtgtgg	tggacgtgcc	tataatccca	gtactcngg	480
aggctgaggc	aggagaatcg	cttgaaccog	gtagggtggg	gttgcngtga	gccaanatcg	540
caccattgca	cttcannctg	ngcaacaaag	aaccgaaact	ctgtcttaaa	ataaatnaan	600
nnatteaaaag	acagaaangc	acgggggtgc	ctaaaattct	aaaactttgg	gggtcccaac	660
ccngggcaac	cgnggnttg	caaaccctgg	caaccttgg	aaggcttcca	ttttntttcc	720
caaagcccn	anncagaagg	ggtcattgcc	gggccccaaa	aggaaaaaa		769

<210> 2777

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 2777

ggggnnnttg	caaatncnng	gctgttcttt	tgcaggatcc	catcgattcg	ccagcccctc	60
ctctccccgc	cttctgggag	gaggagggtca	cacgctgatg	ggcactggag	aggccagaag	120
agactcagag	gagcgggctg	ccttccgcct	ggggctccct	gtgacctctc	agtcccctgg	180
cccggccagc	caccgtcccc	agcacccaag	catgcaattg	cctgtcccc	ccggccagcc	240
tnccccactt	gatgtttgtg	ttttgtttgg	ggggatattt	ttcataatta	tttaaaagac	300
aggccggggc	cgngggctca	cgtctgtaat	cccagcactt	tgggaggctg	aggcggncgg	360
atcacctgag	gttgggagtt	caagaccagc	ctggccaaca	tggggaaacc	ccgtctctac	420

taaaaataca	aaaaattagc	ncgggtgtgg	tggacgtgcc	tataatccca	gctactcngg	480
aggctgaggc	aggagaatcg	cttgaacccg	gtaggtgggg	gttgcngtga	gccaanatcg	540
caccattgca	cttcannctg	ngcaacaaag	aaccgaaact	ctgtcttaaa	ataaatnaan	600
nnattaaaag	acagaaangc	aaggggggtgc	ctaaaattct	aaaacttttg	gggtccaaca	660
ccngggcaac	cggnggnttg	caaaccctgg	caaccttggg	aaggtctcca	ttttntttcc	720
caaagcccn	anncagaagg	ggtcattgcc	gggccccaaa	aggaaaaaa		769

<210> 2778

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (735)

<223> n = A,T,C or G

<400> 2778

gctatgtgga	aatcgcnagg	ctacttggtc	tttttgacag	atcccatcga	ttcgaattcg	60
gcacgagagg	aagctggttg	agaagaagaa	ggaaaaagtc	gattctactg	actgacgttt	120
ccccctgtg	ttaagaatcc	caaccacaca	ctttcacaca	ctattccagg	ttctgggtac	180
tgaatgatcc	cacagctgag	gtctattgnc	atcgctccac	ttctattttt	agcagcacta	240
aaaacattcc	caaaaaaat	gttttttagc	tttttaactg	tagattcacc	actaagaaat	300
tggcattgga	acagtccaca	gagcttattc	aaatttcacc	cattttacat	gcactcattt	360
gtgttgcatg	tgatatatag	ttctatttca	ttttatcacc	tgtgtagatg	gatgaaaaca	420
gcaacataag	caagatacag	agctgttccg	tcatcacaga	gctctgccat	actatccttt	480
tatagccatc	tctacctctg	tccccatttt	ctaaccctcg	gaaaccacta	atctgnnctt	540
cataattttc	ttatttcaag	aatcttacgt	aaatagggat	cacgaagtat	aacctttgag	600
aatggccttt	tcactncatt	cccttgagat	acatccaggt	agtnecatgt	atcaatagnt	660
aattcctttt	tattgtaca	cagtctccat	agtatgaata	tactatgtac	atagcatatn	720
tatttatagg	tnacc					735

<210> 2779

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 2779

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ttggataata	ggttccagga	agttcagtgg	aaaatttttt	caaagcaaca	tttatagctg	120
attgaacttg	aaaagccatt	ttgggtgtga	atggcaaata	tgtggacttc	agcattcctg	180
gagcctgatg	cateccgctg	gatggccctg	ttcctgtgta	catgatggcc	tggggactca	240
gcagtgtgca	gggtactctc	ctttagaggg	tgctttgagg	aaagaagttt	gctgccactt	300
acagaagtcc	ccttcccata	cagtgatata	acacaagtac	cccatgtcca	gggagcatct	360
ttcctctgat	ggcttgagga	cttatttatt	aaaaggacag	gaatgtcttg	caagaaacag	420
aggagctctt	aagtactgta	aatactccta	gtcactctgc	atcagggtcg	caagtntaag	480
cagattgctg	tggtgtatag	acatgatatt	agcatgataa	cacttctgtt	ttaatgncct	540
tagttggtcc	ggnggccacc	actggcgtga	gccttaagaa	aggctaacgc	cgntgngaag	600
aaagggcttt	atagggccng	nttgagngg	ntaaattntc	tttagaactt	aaaagaagaa	660
cttgacaggg	atggggaagg	ggaaaaatga	acccatnggt	ncanggaaat	ntaggtgaac	720
angagnaatt	gaaccnattt	gcaagnntta	aagaaaang			759

<210> 2780
 <211> 678
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

<400> 2780
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 cgttnacnga ctacgtgtng agcncgtgn cagacnctga ntncacnntg gngaanaatga 120
 nngtctaggg gnctcagccc gtntnnttcn taatccagtg aganacnaan acatgtacac 180
 aggcncgat nanttgtgnc aattgggaaa tgtgccatgc tactagggga tggatgagat 240
 cncagcttan tcttgnaag aatgagtng ncntngcaan taagggngga anagaatatt 300
 atcaagagag gtgangaag ttgncngac ctcaagtga caganatgag aatacnttgc 360
 tgtntaaatn actgcttnac ctcnatangg gmgagggtnc ngtnntnntg agctaactcg 420
 atntcangng atgttatcng gaagaanaaa ggctnnnaaa cnntcncttt tnagncacgt 480
 atgtgcactt aactgcaa atgtactggg gagccatata tggacttattc tgaaaatgac 540
 ctancncaat tgnctttaga aaaanccng ctgccttgta actngtaatg gcaactgagg 600
 tggtagacat atngatttgc actatgagtn gaatncttat ntctgttnnga gtgcattcct 660
 tcgtggntng gactgaac 678

<210> 2781
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(682)
 <223> n = A,T,C or G

<400> 2781
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 aggagccttg atcttgcca ccgaaaagg naaaccagtg gcaagcttga atgcttgttt 120
 tatggtagac ttagatacga gaacgggtaa aggtacttg ataaacttgg gatataagat 180
 tgcttctttt atgcatacca ctcataccac tgggtgggaaa ttccatttgg aattactccc 240
 tagggccatg gagtcttctt gcatatgcta ataagttaag ttcccattac ctttggtaat 300
 aagaaaatat ctttaaaaca agttagcttt tcctattggn tatatatgga aggacangct 360
 gttttccctn ctgtgcattt agcattttgn gtatnctctc attgcnnaa ntatgcttat 420
 aacattgtga aaccccgctt ctactaaaaa taaaaanatt agccaggcat ggtggagccg 480
 tgcttggaat ccctgctgct taagaagctg aggcnaaga attgcttgac ctgggatgca 540
 aaagttgcag tgancctaca tcacancant gccttcance ttggggacaa aactgtttct 600
 cnnnaaaaaa antaaanaan tttgagcctt taaaactatn gtggagncgt attacnntan 660
 atccngacnt ggatnagaat cn 682

<210> 2782
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(784)

<223> n = A,T,C or G

<400> 2782

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cgntgantnt cnannngcgg gcctcgctct ttcannaagn cnngcgnggn gaattcggca      60
cgaggagntc gnancctctg gtggcgcttt tttgagctgc agtgctacaa gaggggcctg      120
antccaccaa gagaaggccc aggaggaaga agagaaaaag atgctgtggt tactagtgcc      180
aaaaatgctg gcaggaacaa ggaggagaag acaatcataa aaaagctgnt cttttttcga      240
tcgggggaaac agacctagat ccaaggccac aagtaaggct atggctctga ttctagaaga      300
caaccttcca agatgcctgg caaaaccacc tccctgtgcc acacagacac actaggcctg      360
tgtattttatt tccccttcaa agcagactga ggaggaggga gacgaggntc tcttggcatc      420
actttctccc tggctgcaga actagacacc cttgaagatt tggcctgggc cagtggagact      480
gaaatcaaga aaaacagaag ggatgtgcaa ggtggggggg tccacttntc gctcccatgt      540
caacccccc an ggccttcagc gtgcagacgc ctgncctact catctgctcc cacnggatgg      600
accctgggct ttaangggta agcanaaagg gagaaaaaga aaaccggaa aatgngccta      660
ttggagaatt ccagngggg gaccttcacc tggatattta aanggaanaa ttnggatttt      720
aagcccaaca tgcccttntc tttangggg aantnngggg attaaaaagg naaaaaagga      780
ttcc

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<210> 2783

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 2783

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nnnttnntna nnnttgggct aacgccctnn aagnaaccag tcggmncgaa ttcggcacga      60
gaagacctgc agcttcagca tcacttgaga agttnttagg aatgcatact agtgggcccc      120
gccccagac atagtgaatc agaaaccaac agggaggcgc ctagcattgt tttttaaca      180
agtgtgggt tattctgatg cacagtctag ttaagaacc actactttgg gtaaactgtt      240
tgactgttta aagtttatgg cggtagaagtg ggcattctca aagactagta cttacacagt      300
ttagaagatt tcaaggtaat gctgacagta gtttattatg tcagtataac tasytgtaga      360
gatcataatt tagttccctt cttaattgta caatttctta gtttactttt cctaaagggc      420
catagcataa ttcttgattc ctggtggaaa tcttttctga ggtgtggggg tgggcaagg      480
gtggattgct gtttacgata gtgccttcac tagttttagt tctgtctgtt ttcattcatt      540
attgactcaa aggtattaga acaggccctt atctttttcc tattagattt atttttgntt      600
tttactttat gtaagttcag aatccttttt ttaaaagtga gactactgat gaaataatgn      660
tactagtagc tgaatttaga cttgatgcta tgntgataat atttaaattg tgaaaagtaa      720
ttaaggcaaa atagcaattn t

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<210> 2784

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n = A,T,C or G

<400> 2784

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nttcnnntn nttggctgtt nttcngcagg ancccatcga ttcgctgcct cctccttagg      60
cagagagctc cttggttcca tttgaaaacc ttccttcccc ttttgcctga attgagagac      120

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tgaggacaca	aagtgggtgtg	ctggagaata	aactagagcc	tgtgggtgcc	gactggcaac	180
ttggggattg	tgtgagtgag	ggagagattg	tgcagagcta	atcctaacat	tgctgatgag	240
tggacagaaa	ccataggcct	catgaatagt	gatttctgaa	gtcaaagccc	agtatgctta	300
aatatcaacc	caagtgggtt	gggagagggg	agcacagctt	actgttctgc	taaaattcct	360
tgaggaatta	agtnagaata	cgtgtaaggt	acgtagcaat	ggttatttac	aaaatggact	420
ctgcctgcag	attattagta	tgtctcagat	gtaaaaccag	ctcaaaagta	ctangacgat	480
ttgtagtagt	atttaattat	ttgtaaactt	acaccgtttt	tcttcacggt	tgcagaatac	540
aaatctttgn	cagtagtgaa	atngaatct	agtaggatta	aactgngtgt	aaacctgtgt	600
ggcgggatga	agagaggcag	aagcgcgtac	tgggtgctgt	gttgcccgc	agctcaaggg	660
cccactatgt	actgctctgg	gttgactctg	ccagaggtaa	ggggaagctt	ccttaagacn	720
t						721

<210> 2785

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (730)

<223> n = A,T,C or G

<400> 2785

ggnnnttnnt	annatacagc	tacttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	60
cacgaggggt	tctttaacct	gtgtctcctc	tgtcctactt	cccctcctgc	acagttcata	120
gagtcaactt	ctgactatcc	tatagacaca	gtaattggac	ctgtgttttt	ttctaactct	180
tatatgacag	cacatttcct	aattcaggga	ccatccccta	tcccaaattc	catcctgtga	240
gatgtgaaac	ctgtgagttc	atgtgaatga	gtgtttgaag	ggcttgacgc	catgtagtct	300
cttaggaagg	cttcagggtg	ctcttatgtt	gatgctttgc	cattatcaaa	tggcattgat	360
tgatccgagg	gattcagaaa	gttagggtag	actctataaa	taatttcatt	attcctcatc	420
ctctnctgca	tcatttttatt	ggttagtcac	tctgccagat	cactaagatt	cttcctctac	480
agggcccgca	aaattncaca	gagccctgat	tctncaactg	cagatggagt	ctccctatcc	540
cattgctcag	cttttcaaga	tttattatga	tgtctggcaag	tganggaatt	tcttaagccg	600
agaaatcaga	agttcatgcc	tgttacctcc	taagaaccgc	gngtnaaaga	ccatntatcc	660
tgtctctgaa	tggcgggcct	ttagtgagaa	ataagttgtt	tttaagctgg	ttcagaaaaa	720
aaaaccaccc						730

<210> 2786

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 2786

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atccacttgc	cttaatttgc	acagtgttct	tataaatcaa	cagaaagtac	acataacaga	120
aaaattttaa	aggttagga	tcatttagga	aaaaatgcaa	atgccaacaa	atgtgagaaa	180
atgctcaatc	ttacttataa	tttaagaact	acaattcagc	caggcgcggt	ggctcatgcc	240
tgtaatccca	gctacttggg	aggctgaggc	acgagaattg	cttgaaccca	agagggagag	300
gttgcaagtga	gccaagatca	tgccactgca	ctccagcctg	ggcgacagag	caagacttgt	360
ctcaaaaaca	aacaancata	aaacaacaaa	naaattacca	ttaaaaatga	gagagttttc	420
attggcaaag	ttaaaaagaa	agggtgaaaga	aaaacctact	cttcttgatt	tgtgtttggt	480

cacttatgga	gaatttattt	tgtcataagg	nctgaatcat	aattaaatat	gttctttggg	540
tctancagtt	cttctatttc	ttgnattata	agtaaaccctt	ggaaccatct	tanacactga	600
tcatgaagac	taatttgnaa	taanaaagtt	tctagccttt	cattccnatg	gaaatatggt	660
tgcccgnataa	aaaaaaaaagc	ctctagaact	tttagtgagt	cgnattaccg	ttagatccng	720
aacttgatta	aggatacaat	tgattaagtt	tgggacnnt			759

<210> 2787

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 2787

gnctttnaaa	tcnnttgcta	cttgttcttt	ttgcaggatc	ccatcgattc	gaattcggca	60
cgagatgggg	ctagatgggt	tttccccctg	tgtactctag	taaatttcta	tgccatttct	120
cctatcgatc	tgcccttttg	cagttgattt	ttcagcttaa	cttcagagag	caaaggggaa	180
ggtggccaag	tgagtggtct	catgcctgta	atcccagcac	tgtgggaagc	tgaggcaggc	240
agatcacttg	aagtcaggag	ttcaagacca	gcctggccaa	catggtgaaa	ccctatcttt	300
actataaaga	aaaataagtc	gagtggtgtg	gtgcacactt	gtaatcccag	ctactcagga	360
ggctgaggca	gaagaattgc	ttgaactcgg	gagatggagg	ttgcagttag	ccaaaatcgc	420
gccactgctc	tccaacctgg	gtgacagagt	aagaccctgt	ctcaaaaaaa	aaaaaaaaaa	480
actcgagcct	ctagaactat	agtgagtcgt	attacgtaga	tccagacatg	ataagataca	540
ttgatgagtt	tgggacaaac	cacaactaga	atgcagttaa	aaaaatgctt	tatttgtgaa	600
aatttgngat	gctattgctt	tatttgnaan	cctttttaag	ctgcaataaa	ccaagttaac	660
aaccaccatt	ggcatttcat	tttatggttt	caaggttcaa	gggggaagtt	ttgggaaggn	720
tttttnaatt	tccnggcccc	ggnngccaat	n			751

<210> 2788

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(739)

<223> n = A,T,C or G

<400> 2788

tnttatntgn	gnnctttgna	antccccagg	agcnnngcga	ttcgctggat	gaagactaag	60
catttaaata	ctaagttgag	ggcatantag	ctttntgtg	cctataatcc	cagtgttttg	120
ggaggcctag	gcgggaggat	gccttgagcc	caggagattg	aagctgcagt	gaattatgag	180
ccaatgcact	ccagcctggg	tgagagttag	accctatctc	aaaacagcaa	caacaacaag	240
atacaaatg	agaaactgtt	acttgatttg	cgatatgtat	tctgtccagc	agtgatagaa	300
taacaaggac	tggttttacc	ttgctatttt	aagcaacaat	atatgaaata	gcaatttgta	360
ggcattgggt	aacaggcaaa	gcaagactgt	ggctactgaa	agctgggaaa	caaacctact	420
gagctctatg	gttgccccaa	tttattatct	ggaggtagtt	ttcaggctgc	agagcaggga	480
tggggaagtc	aaacagagca	tggtgtctta	gaattgggag	gacaagatgg	gggttgccgg	540
ggaggggaagg	ttgtcatcat	tcgtggggca	gagtaaccaga	gaagtgggaa	gttgtagaca	600
gaacttccag	tgataggtgg	aggagtcttc	tgaatctggg	tgaatcctga	tctacaggtg	660
catgaaaagg	agaacaccct	gaggncagaa	aaagaacca	ctggaaacca	caggccaaac	720
aattnctggg	actcacact					739

<210> 2789
 <211> 746
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(746)
 <223> n = A,T,C or G

<400> 2789
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 agtcttctag gaatgagggg catcagccca ccccgagntt ttcagtgggg ttccgggcca 120
 cctcaggact ccaagaggct gtgtggagcc accactccta gccacagctg ccatgataag 180
 tccttccatg aaggactgag gagggagagt ggggggtccag ggctgggtgct gctcttccct 240
 cagctctgcc ggggctctaa ggteccctcta tttatttctc aaccctggct ggcctctcac 300
 caggagttaa ggctgaatgc cttccacgtg atggaggaaa aggccaaactc tgcctctggtc 360
 ttgctgtggc accccatcgc cccacagctc gtaccttctc accagattcc cctgaatcca 420
 aactcgtggt gcaaacctct acctttttaa caaaaagatc ttattgttaa tttattgntt 480
 ctggcacttg ggcaaacctt gtagttaata ctctccac actagacact gggtttcagg 540
 aggagggaga ctgccctgct ttgggtcccag agaggccctc tgcagatagg cgtggccctt 600
 cttcagagga cactacccta gggcactttc tctttgaggt ggagagaccc ataaagcctt 660
 gacacatcac tncatagggg ggaggaagaa aggatccctg gcaccttctc ctctctttaa 720
 nggggccctt ttgcaagccc tagncn 746

<210> 2790
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(814)
 <223> n = A,T,C or G

<400> 2790
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 tgaaccngng aggtggnga tgcagtttn ttttgattga gccattgcac tcnagcctgg 120
 gcaacatagc gagactctag nctcaagaag annanaaata gactgagana aagaaganga 180
 aaaaactnnn gaggccacca gtcctgnga gacaacaaag aagcagggt ctgagagaga 240
 ncnangaggg cataggtggc ccgaggacat naganggggt nanctncang ngaaatnggn 300
 gggaaacggtg ntccaggcnc agggaaatagc ncatgnaaan gccgtgataa aggggaanaaa 360
 ctnggtgnga tggaggaatg ncagagaggc cagaacagan cnagagggca ncattcgtag 420
 gagacgaggg aatcacgggc ctgccaggcc atggangggg tngggattct annacgaagc 480
 ctgaggaaaag tnaaggcngg gannancaca ncaaagatgc cancnggctt gggcttacgn 540
 acctcccca tggcngcatg ggaangaaaa ttaanatgmn cgcacaaaa agttgnaann 600
 aangnngaac gcagcnnngg tgnnannngn cccangggcg aaaannggnc aaagnanggg 660
 nccggggtcn nggggcttgg aaaangatag gacggggngc caagnaaggc tccaanaaaa 720
 atcgganccn nggggaanaac nngggaganc nngcnnngan ngggacaaaa attngggnc 780
 cnggccaaagg ncccggngg caccanagtg ggcg 814

<210> 2791
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 2791
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 ctgtgaatca tgagggacag aagatccata tagaagaaga caatagcttt gatcttctat 180
 tacaagaaaa ggaatgccag tgtaagagat ggcattgat ggaagtgtat tccttttcag 240
 gcctgcagag tgcctctccc ttggctccag aacgaagatc cacacttgag gactactctc 300
 agtcgctgca cgccagaact ctgtctggct ctccccgatc ctgttctgag caagctcgag 360
 tcttcgtgga tgatgtgacc attgaggacc tgcaggcta catggagtat tacttgtata 420
 ttccaanaa aatgtccac atggcanaaa tgatgtacac ctgatagcaa gaagctaatt 480
 catatgcttt aaaccaatga aggcctgnca aagagattta gttaatggca gaccttgngg 540
 ccactttntg tgagaagaca tctcttntg ctactgtct tgcaataaaa acttttntg 600
 gcaaaanacc aaantttaga gtnancntt aaangaaaa ccttggnccc cttanaactn 660
 ttntggaggc gnatttnccn tngaattccc accttggatt caggaatcct ttgatnaant 720
 ttnggaaaaa cccccactt ggaaatgccc 750

<210> 2792
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(770)
 <223> n = A,T,C or G

<400> 2792
 agcttnennt nnatnagtnn nggaactngc cgcannatcc cancnantcg ctccgcagca 60
 ggccctctgt gtccccccac ctgctggctg agctcntnct ggctctcgcc cctctcagct 120
 gtagctgcac ccccccgct ctggctacca ggctctcccg gctgggcaact gcgtggcctt 180
 gccctctctc cgtctggcagc tcctcagggg aacaggggct accagaggct gatttctccc 240
 ctctcctggg ccaggggagg ggtattatcc ctgcctcctg ccccgatgc ccaaagcagc 300
 atcttccagc actttccatc gaggacttgg gtggcagant gtgggtgcag cctggctgtt 360
 gctcacccaa gtgctagctc tgcacttctg gtctgctgag agcaaccaag accttccatg 420
 tcctcgaggc agctgcaact ccccgcgaga ccccgcannt ggggtgggatg aacaaagcaa 480
 cgcagaccac angcgagtgc ctgggaagga gtggmccang gtggttctgg agccattgtg 540
 ggtgaggggt nagggccacc gaagtnccgc ncaccgntgn ctgccctgca ctggctttaa 600
 caagttnngt ntgccaanaa ctnttcaatt taccatcaag ccggtctant gtcttcaagg 660
 nattggagcc tgcgattcct tcggggcacc ntggggcccc cncggctnt gggntccctt 720
 gnggggaaat gggcccaagc cgggctttgc nggtttcctt ccnttanggg 770

<210> 2793
 <211> 806
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(806)
 <223> n = A,T,C or G

<400> 2793

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gcactggatc	tcatctcaag	ctcatnttag	atgctttcct	acagcagtta	cccaactgtg	120
tcaaccgaga	tctgatagac	aaggcagcaa	tggttttttg	catgaacatg	aacacaaaag	180
caaacaggaa	gaagttggta	cgggcactct	tcatagttcc	tagacaaagg	tacggaaaaa	240
ggaccagatc	aattattgaaa	caaagaataa	aactgttcgt	tttataggag	aactaactaa	300
gtttaagatg	ttcaccaaaa	atgacacact	gcattgttta	aagggttagtg	ctgaattagt	360
tgattgtttt	taattgaaaa	gtttaaaagt	ttaattatna	atgggtggata	aagtgaataa	420
atncaatatt	tgattaatcc	aaaagaagac	cangaaaanga	agaaaaagtn	acgtttaaca	480
agtgtgcana	atacaaaaaca	natagtgaga	tcttagatac	ttatgcagtt	ctaccgagtn	540
nttaccgtga	aantntaaaaa	agggnnngaaa	atantntcca	aggttaaagc	ctttaaaaan	600
tattannaac	tttggattca	aaaacaaact	nncttatgga	agccttttn	ccaacnagga	660
ngtccanccc	tttaaaatan	tgaaaggatt	ntgtaaaaaa	aanannntta	aaaaaacttt	720
gngcnccttt	tttaaaancnt	nttttgggng	ggggcctttt	nnccgtnaaa	attccctacn	780
ctttgtatta	nagnacncct	ttnggg				806

<210> 2794

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 2794

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ttggggaaaag	tgacaggcat	agctgactcg	gggtcattca	ctaagccagg	agcccaggaa	180
gacacacaga	tgcaagcaga	gatcgtgcca	ttacactcca	gcctgggcta	cagagtgaga	240
ctctgtgtca	aaaaaaaaaa	gaaagaaaat	gggcttgtgt	ggtagcaggt	aagaaaattga	300
atctctgttg	tacagcagct	agctgtactg	catgatcact	tcccattccc	cagctgacag	360
tggctgtctc	tggaaactcct	accacagtct	tcaattggta	ggccagccct	ggtgccagtg	420
attttatctg	ggcatggaaa	atgccacttg	cttctgtgga	agagacactt	aaaagatctg	480
gcagtcggcc	gggtgcgggtg	gctcacgact	ataatcccba	catctctggga	ggtcaaggca	540
ngcggatcac	gaagtcagga	gatggagacc	atnctggcta	acacggtgaa	acccttgtct	600
ctactaaaaa	aaaangnaaa	aaaaaactcg	agcctntana	ctatagttag	tcgnattcct	660
agatncngac	atgataagat	ncattgatga	gtttggacaa	ccacactnga	atgcntgaaa	720
aaaatgtttt	ttntntat					737

<210> 2795

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(726)

<223> n = A,T,C or G

<400> 2795

gtaaagtgtc	cttgttcttt	ttgcaggatc	catcgattcg	aattcggcac	gagggcagtg	60
ctgcgcgggg	ctcccagccc	tgctgggaag	gaccagggaa	ccactcagca	aggagaccct	120
cttggccctg	ccccaccat	gcacccagca	gccgggagtg	cagcgggcag	cctggcagtg	180
agtgaacccc	aggcctccag	ccctccaaag	cctggggcca	ccccctgtag	caggcgatgc	240
tagaataagg	aggagagcca	gagctgaggc	tccttgcccc	ttggccctc	caggggccat	300

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gggatctctg tctccacac ccctgtcacg gcccgcctgg agcagcccag aggccgaaga 360
ggttcttact gcagcctccg ggaggtgtct agggaggcca tagattgcct ggtctcgccg 420
cattcaaaat gaggettatg atcagtactt ttttcagccc cacattcctc tccagaatgg 480
cctctgccct acagcacctg gcccatgtgg caccatcatg gcctgtcctc tgcgtgttg 540
aggtcgacct nacgaccag cacaggagct ggaagccaag tgcacgcan gctcttcaca 600
gcccagaag gcagcctgtc accctgctct ccgaccaagg gccaanagtgt ggggggcaca 660
agccatnctc atcctgncag gcccgcctt cagaatgggg tggtgccaat gctccactna 720
aacct 726

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<210> 2796

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (721)

<223> n = A,T,C or G

<400> 2796

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ccgcccgcgc caccaccacc accactgcag caacaacagc agcagcagca gcagcgctg 120
catagctcca ctctgacctg tgaaggaatg gggatgaggc caggagctag tgtctaccac 180
ggccacacag ggagcagtg gggcccttag cccccaagg gcctgctatg catgtggctt 240
ttttttttt aaacacagta aactagatta gtctgtcagt ttttaattgc ccctcttctc 300
ctctctgca ttctctcct ctctcttctc ctctctgtcc cttctcttcc ccctctcaac 360
caggagacca tcatgtctct ctgccttctc cctctccct ccaggggagt caggctgtct 420
gtgaaagcca tgagcttctc tccctctccc actcctctc tctacttctc agatggattt 480
attccttttt ttaacaatg aacatcgga atgagactgt ggggtgtggt nctctctctc 540
ttttttttt atttctttt ttgggtttt gagcaacctc atgtccctc caggagctt 600
ttaattacct cttanaactc aagtggatgg gaagtagagc actatgtgtc aatatgcttt 660
ggtttctgac acgattacnc agcgaggctt taatgccatt gggtaggtga gcttctgcct 720
t 721

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<210> 2797

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 2797

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ggggttttta tgcttggtta ctngnnctct atgnagganc ccatcgtttc gctntcggtg 60
gccttntctgt ggaagtgaac tgctcatttt ngccttattn gtgnacnngg ggangnncta 120
aanttgccct gtntncangg gttaaggtca cactgnncta attngcaatg ggaacaccat 180
gtactnagtt gntnncncc gttntagga aagcttctnt tatgcaaggg ataacatcna 240
atagggcact tatcccaa ataatgcagca atttaaacca nngatgttta cgcattggca 300
gaacaacngt aggcaggant ntgggtgcaa ctangctgat gtctttgaac accatgagc 360
tacttggaan gtntgnatat cnggtggccg atgggctnng ggngtntnt gnttgctcat 420
angcnaatt taaangnnga gttatgtggg nganaatatg tatgtttgca attacacatg 480
gaatgtaaac caaagataca nttctnagcn ccctaaccnc taantggatn ccctctntc 540
anncaanggg nntntccacn gggaacctga aacactagtt naggctgtga tggacatgag 600
tgggtggaca tgcctncatg gnaaggaatt ntaacnnc tnccttcat gaacattcna 660

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ncngagacct ttaagggtna ncaaganatg acttttngnt nnggaatatg aaggtggaat 720
 tgacacanaag gcccttgaaa tggnaatgna 750

<210> 2798

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 2798

tcnccctntt	ttgccgctct	tggtctttnt	gcaggatccc	tcgattcgaa	ttcggcacga	60
ggaacaaaca	aaaaatgcac	agttcataat	aatttctctt	cgaaataata	tgtttgagat	120
ttcggataga	cttattggaa	tttacaagac	atacaacata	acaaaaagt	ttgctgtaaa	180
tccaaaagaa	attgcatcta	agggactttn	ntanatgctn	cttgcaaaac	tactacnctc	240
atatggcatg	atccattnac	antaccgttn	cnatatctgn	cntctngctg	naccnntncn	300
nnatctncnn	tctcacnnc	nntnaccnct	gnannacgtg	acgnagcnct	cnctnagatc	360
antganactg	antatntntc	angatcatnt	cacaattcnn	netctntngn	acnncaactgt	420
angncnatca	atctgcctta	cnannccaca	ncngantggn	canncntgng	agaccnccnc	480
tttnnnangc	caatgcnnnn	ggatcacctt	agncctngt	cctgccgncc	ctgtntctnn	540
tnnngaaacc	nnntcnttac	tcccaatang	nnnnatgcct	ncnnntntnc	tnancncgcc	600
cntttaantn	ccancnttcn	ttggcnaggc	cccanacact	ggnnnantnn	acttntntcc	660
cccaanttng	nggannggct	nnnannnnaa	ncnnnathtt	gnncncaacn	tnnnnccnnn	720
ccngngcntn	aatnccatnt	nnnannnaaa	nnnaanaacc	n		761

<210> 2799

<211> 698

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(698)

<223> n = A,T,C or G

<400> 2799

gnntnnnnnn	ttnnnncacg	ctcttggtct	ttttgcagga	tccctcgatt	cgaattcggc	60
acgaggcaca	agccactgtg	cccgccaat	actgcanaat	attttaaaaa	gttaaaatta	120
tctcttctgg	ctggctcatag	tggtcacac	ttttaatccc	agcacactgg	gaagctcagt	180
cagaaggatt	ccttgaggcc	aggagttaa	gatcagtctg	ggcaacacag	accccatatc	240
tccaaaaaaa	taaaaataaa	taaataaaac	agttatcagg	ctgggagtgg	tggtctcatgc	300
ctgtaatccc	accactttgg	gaggctgagg	caggcagatc	atgaggtaa	gagatcaaga	360
ccagcctggc	caatgcgggtg	aaacttttgt	ctctactaaa	aattcaaaan	ntaaaattag	420
ccaggtgagt	tggcggggcg	ctgtaatccc	agcccgtttg	ggaggctgag	gcaggagaat	480
tgcttgaatc	tgggaggcga	agttgcagt	agttgagttc	ttggccactg	cactccaacc	540
tgggtgacaa	gagcaaactc	atctatnaaa	annaagacac	tnagcttnat	agttntgaga	600
tatcttttagc	atgttntatt	tccaatgtta	gaaaattatc	tttgntattg	tcattttgtg	660
gtgatactna	gctctttgct	ctgatactat	aatngngct			698

<210> 2800

<211> 741

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(741)
 <223> n = A,T,C or G

<400> 2800
 gtntangncn gcactncttg ntttgtgcnm gatgcncgat ntnngaattc ggcacgagac 60
 ctcttcttca ttgttaaaat ggaaataata atactaccta gctcgtggga ttgttgtgag 120
 acaacaacaa atgagacaac agagatctga aactctgcct ggcccctggt atataccaag 180
 tccacagtta aattagcctt tgttactaaa tcattgtttg ggtagaaatc ctacagatttt 240
 ggattttctca agtgctcctt ttctactgtc caaaaggcag aatgtttatt ttgctcgatt 300
 ccattatgta atatcctatg aatttgaaat ttccggaggag gcacagcatg gggctgtgga 360
 aatgggtgcag gtatctgcat ccgaaactcc gaagtttgtt ggggagggtcc tctctcctga 420
 gccagaggc aaaaagctgc tcccaagaaa tgatctttat gcccacagc ccaaagcccc 480
 acattaaaca aggtctcaag acaagaaggc aatgtgacct tggcccccat gttttgtttt 540
 gacttttaat ttcaaaaata tatcattgtg ggggggctta tagtttttaa cagctgaaag 600
 ttatatagac agaaaaaatg ctcaatgagt agaaaangga aaaaccttac ttttaagaaa 660
 acgtgattaa tcaaagagat attatgcttg acctcaggcc atcactttga actctgncac 720
 tggntgnaaa atggcttncc a 741

<210> 2801
 <211> 730
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(730)
 <223> n = A,T,C or G

<400> 2801
 gggntntan tatcagctct tgttcttttt gcaggatccc tcgattcgaa ttccggcacga 60
 gagcctctga tcatcaagac atggcagaat aaaaagacaa gtcacaggct agctgaagat 120
 atttgcaata cataaatcca gcaaagactt atatccagag tatataaaga agttctgtta 180
 atcagtgaga aaaaagacaa acccccctat taagaatagt caaagatttt gacaggtcac 240
 ttcacaaaag ggggggtattg aaatggccaa taacacata atcattactt atcacagaaa 300
 agcaaattaa aaacagaaag agataccaca acctcctccc cagaatgtct atatggaaac 360
 aaatgtcaat accagggttt gaccaaaacc aactggaact ttcacacatt tttgctaaag 420
 tgtaaaactgg tacaacctct tcagaaaact gtttgacaag atttttgttt ttgtttttat 480
 acagttaaac acttaactta tgactaagca ttctgtcctt aggtatttac ccaagagaaa 540
 tgaaaatgta tccaaacaaa gacttgtaca agaatgtcac agcagcttta ctcaaaatcc 600
 taaaaactag aaagacccag gtgtccacca ataggagaag ggaggaaaaa actaaaacca 660
 ctttggtgna atctctgccg gtaaggaatg aattactcgt gcgtgtacaa tatggatgtg 720
 tcaaaacaaa 730

<210> 2802
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(732)
 <223> n = A,T,C or G

<400> 2802

```

gtaatagcag ctcttgttct ttttgcagga tccctcgatt cgaattcggc acgagggcag      60
aagagcagac atggcagatg cttttctatc ttggtgttga tgctttacgc aagagttttg      120
agatgaccgt ggaaaaagta cagggatatta gcagattgga acaactttgt gaggaatttt      180
cagaagagga acgagtaaga gaactcaagc aagaaaagaa acgcaaaaaa cggaagaata      240
gacgaaaaaa taagtgtgtg tgtgatattc ctactccctt acaaacagca gatgaaaagg      300
aagtaagcca agagaaggaa acagacttca tagaaaatag cagctgcaaa gcctgtggca      360
gcactgaaga tggtaatact tgtgtagaag taattgttac caatgaaaat acatcatgta      420
cctgtcctag cagtggcaat cttttggggg cccctaaaat aaagaaaaggc ttatctccac      480
actgtaatgg tagtgattgt ggatattcat ctagcatgga agggagtga acaggttctc      540
gggaggggtc ggatgttgcc tgcactgaan gcatttgtaa tcatgatgaa caccgtgatg      600
actcttgngt tcatcactgt gaagaccaag angatgatgg tgatagtgtg gttgaatgtt      660
nggccaatct gaagagaacg acccanaana aaaaannnnn nnnnnnnnnn nnnnnnnnna      720
aaaaaacctc cc                                          732

```

<210> 2803

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (732)

<223> n = A,T,C or G

<400> 2803

```

ggntcnaatg ctggtctctg tgcntnatgc aggatcccat cgattcgacg gagttgagtt      60
gctaactttt gtccttttcc tcagtttcca gatgagttta ncagtaaagn atgcttttcc      120
caggcncaaa ttgggaatgg aaatcaccta gntccgttcc ctctgacagc tgtaatccan      180
agagctnagc tgnttacttc attagctnng tataagctga cgacagcagt gcccttgctt      240
tatntttgac agagctagga aanaagcctt ctttgtnct gctgtaatca tagttaccct      300
tganctgaaa tatcttacat tnattctcaa gcaggtaggg agagganaaa agacattgag      360
aaaatnacac ctgaatgcct ggagcatgga agacattctg tccctagcct tttccctntg      420
antttgganc ctgngcccac tatgcccacaa gactgagctt tctaaancat ntatngattn      480
atgttattnc nctccctana aggctttcag aggatctcca tggccntacg aagaacttca      540
gatccttanc atgctacaga actcancatg atcaggntcc cttatttttc taatttgactt      600
aaccacngat nctatgtgtc cttacattca gactcaataa nntncttaaa nttttcctgn      660
anaccaanna gatnctataa aggctngagc cctttaaaac tanangnggt cgaattccgn      720
agnaccagaa nn                                          732

```

<210> 2804

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (729)

<223> n = A,T,C or G

<400> 2804

```

gaaannagct cttgtctttt gcaggatccc tcgattcgaa ttcggcacga ggcagccaat      60
tggaagaggt gacttctgtg agatggctgg ctggtgatag gactaagttc tcattgttca      120
aatagagctg ttcaacatca ctgaaacctt taagaaaagc cctgagatca gttattccta      180
caagtttaag tagtagacag atactatcca gctctaagtc tcaactgtc ttttatactg      240
tacttttttt ttgagacgga gttttgtctt tgtagcccag gctggagtgc aatggcagga      300
tctcagatca ctgcaacctc tgcctcctgg gttcaagcga ttttctgtct tcattctccc      360

```

```

aggtagctgg gattacaggc atgtgccaca acgcctggct aattttgtat ttttagtaga      420
gactggtttc tccatgttgg tcaggctggg ctcaaactcc cgacctcagg tgatccgccg      480
cctcgccctc ctaaagtgcg gggattacag gcgtgagcca ctgcgccag ctatactgna      540
tattttaaga agttccagca tgttgcatct ctgcatttat cctatatcat taaaagaaca      600
taagttatca tgggtgttggg taaattagcg aaaatcaacc ctttctaagt ttaagggaaa      660
aagtattttt aaaaacaact taatnaaaac ttacactctt ttattacaag aatgtatttc      720
ccttaaatn                                     729

```

<210> 2805

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(729)

<223> n = A,T,C or G

<400> 2805

```

gcatgtggct ctngnctttt gcggaccctc gattcgctgg aattagtggc ttgctgataa      60
tctcatttta taatttgttc agcaatccag cangaccaac tttttaaaaa aattaataac      120
agtagtttta tgaaaactaa gtaagaaaac agtttccacc tatttctgag gtctccttta      180
gaaggagtaa cagacagctt ttatttctct taaagttata aaaatcacia tcgcaagtca      240
caatgaatac tgggaaggga aattactttt gcagagtgat caagtaaatg atagcggggg      300
ctaaactttt ttagtaaaact tgtgaagatt acatacagta aagtgcataa atcttgagtg      360
tcaattcaat gaatttttat aagtaaacac actttgagag caagcatcct aagactccac      420
ttcctccaga attagctgat gtccaggcat aagggtgttt acaggtgaat tcatgacacc      480
tttgactctt ctactgnctc agaccttagg taacatacct gcagctgctt ttctaacaaa      540
ctgttgatca gcaaaaataa aggggctaca gaaacactca ttttatgctg gtctctcttg      600
ggcttcatgc caagacaatt ctgnggtaaa tgnncagttg actctgattt ggnaatatga      660
aaatcaagtc catccttggt attaaaaaat tttttacaat tgnaattatt attgatggtc      720
atattgggn                                     729

```

<210> 2806

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(739)

<223> n = A,T,C or G

<400> 2806

```

gcaaagnggc tcttgttctt tntgcaggat cccatcgatt cgcggcgccg tctggetgcc      60
cggcggtnga gagcatggac tctccagggg cangtnnggc gcctccggag ttaccggagc      120
ggaactgcgg gtaccgcgaa gtctnntact gggatcagcg ctaccaangc tcagccgatt      180
ctgcccccta cgattgggtc ggggactant cctccttccg tgccctncta gagccggagc      240
tgcggtccga ggaccgtatc cttgtgctan gatgnnggaa cagtgccctg agctacganc      300
tgntcctnng angetnccct aatgtnacca gtgtggacta ctcatnantn ntngnggetg      360
ncatgcaggc tnnctatgcc catgtgccgc agctgctctg ggagaccatg gatgtgcgga      420
anctggactt cccaatgctt cttttgatgt ggtncctogan aanggcncgc tggatgcctt      480
gatggctggg gaacgagatc cctggaccgt gaactntgaa gngtacaca ctgtggacca      540
aangttgagt gantgagcc ctgngnttgt cccatgcagg ncnnttatn ncantgacta      600
catgctggcc ctgcctttat ggccnaacc tntgccaag nntattatgg ataggaccct      660
gaagcatgct acctattggn aatgggtttc acnttccatt gngnacctca tgctncaaag      720

```

gccggtaaag cttnaaacn

739

<210> 2807
 <211> 728
 <212> DNA
 <213> Homo sapiens

<400> 2807
 gaaagcagct cttgttcttt ctgcaggatc ccatcgattc gcaaaaagtt aaaatcttat 60
 tttctctca tgtaacattt tggataattt gatgattccc taatgttggg acccagtcct 120
 ttctgtctta ggctcacaaac tatecttgag cctgtgtcat gggggatgac tctgaagctg 180
 cgtgcaccct gttcattcac attttcttgg cctgaactta gtcactaggc tattcctaac 240
 tgcaagagaa gctggaagat gtagtcttcc ttctgaccag ccatgtgtctc aaccacaaat 300
 tgagtttcag ttattggagg gcagaaagaa tagatatggg gctgctttgt aggctgtctg 360
 tcggggcagc ctctgctgtg ttatttgaga ttataatctt tccttggtctt cccagatgac 420
 agtggaaaaa ggcatagtca agacttcaag tgggaaaaat gttggcaact ctgacatgca 480
 agttcttttc catatagagc tgagttatgc tggagtattt tggttacaaa gacttcattt 540
 tctcacctgt ctgaattcct gtttggattt tagttactct tgatttatca gcattggatta 600
 aaaattgaaa agacttggtt ttttaaaatt atatctgaaa tggcagagac agcatctgag 660
 gattctctt gctactataa ggaatgagta attagtttga ttttcttta aatccaaata 720
 aataagat 728

<210> 2808
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(739)
 <223> n = A,T,C or G

<400> 2808
 gnaaancagc tcttgttctt tntgcaggat ccttcgattc gaatcggcac gagacanagc 60
 atatgtacca acaatgcatg tttatatctt gtgccatgcc aggggcaaat tcatagttgg 120
 cctgtttcca taagtgtggg gatggaacct tgaaacacag gacatctcat aatgctgtaa 180
 gcagggacca ttgaaattga ttccctagagt cttgttctac aacttcttta aaaattactg 240
 atttgacagc agtatgtatt caacatttaa gactttctgn ctaattttga gcatacatc 300
 ttgactaang ctagcaatta gagattcttt ctttaattta tcagatatct attaattgtc 360
 tacttttgag tgggtctgtg gcaaggcgct aaaaagccag ttactggggt tctgttcctt 420
 aaggatcctg anaattgagt tgctaagaat taaatcagca ggcgtgcaat atgactgtca 480
 aagcttgacc cctgcttnga ttcccttctg tganacaggt tcttatagga cctggattct 540
 caccacatcc tctggtctgt ttaagggaac acaaagggtt agctcaactc tgtgtccagg 600
 agtaccttat agtcccttcc ccttaactgn gtcnggttca acttgatcca agatcagggg 660
 ttagtacaag ctttgtaaaa aaaaaaaagg tttatttttt accaaaaata ganccagatg 720
 ccctttggaa ggtaaaagn 739

<210> 2809
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 2809

```

gcnatgcttg gctacttggt ctttctgcag gatcccatcg attcgaattc ggcacgagga      60
gagacagtga gagagacaca ccatggggcc tgatatggag gcacttacgt ccaccaatgc      120
tgtaacattt gcattegtta acaccctttc attaatatatt taaatcattc tccagtgtaa      180
cttctgtaga attcccagtt tttgctttta tgaaattctg tagttgatga acctcagatt      240
ttacaagtaa ttgaacttaa ctacaggaga aggaggagaa gaagggtggag ggaaaggaca      300
agaaaaaaa gcaagatata actttttttg gttcccctct tttaatattt tttctaaaat      360
tcatactaataaatacaatc atttaaaaat gcagggtatct aaaattacat ataaactggg      420
ccttcgagta agtcagagaa tgctatttgc tcattgttaa ctgtattttt agtatcttcc      480
aaacaaaatt ctctttatca aaattatcat ttgcagcttt tctaggtagt ttccaaagtg      540
gatgcacgct tatggttgga aaggatcctt cttgacaaag ctttcacact cagaaactac      600
tatcaaatgc agtcaagcac aggaagaaag aatacactga tgacccgagt atgctgaaat      660
aaaagaaaca taaggngctg ctgtctgaat tcacactgga gtttctttca ctgggtgtcaa      720
gtgggtggtaa cctatc                                     736

```

<210> 2810

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 2810

```

ggatctagct ctgntctttt tgcaggatcc catcgattcg aattcggcac gagcattagt      60
atttttgtga ttccattttt tacacttaaa tattgattca tgtggaattc actttgatgc      120
agggtycagt agggctccag tttaatattt ttttagattg ctactcagtt gtttcagtac      180
tgcttagtga ataagccatc tttattatct tgagatgtca cttttattat gtactgaatt      240
tctctgttta tgttgggtct ttagctgtac tatgtggtct cttccattga tttgtctttt      300
actgggctgt gtcatactgt ttttaattat ttagtggtta tatttttagta tttggtgagg      360
ctagaccctc ttcaattaac ttttgcttta ttttttccaa aggaaattta ggagccggac      420
acatatgtgt gttcatgtat ttccattggg aatgcattaa atatatagat taatttaagg      480
gatcattggc acttttggga tgttgagtat gtcgttcag gaacatggta tngctcttcc      540
atttattcaa gtctttcaag tatttttttg gagcatttta aagttggctt catatagatt      600
tgnatattnn ctttctgnga aaccaataga ctncaaaagc tttantggct tatggcaacc      660
aaanggttaa tttctcattc accgttacat gccacctgta ggtcaatggc agccctgctt      720
atggttcgat gn                                     732

```

<210> 2811

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(735)

<223> n = A,T,C or G

<400> 2811

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gtaanntnnn aatancangc ttgttcttta tgcaggatcc catcgattcg aattcggcac      60
gagatccaat atttattgag tgtctattag gtgccaaagca ccttaatagg tcctatggat      120
ttgaaatgcc gtccctgtct tagatctcac ggtctactgg aggacacaga gaagtaagca      180
ggcagttgca gtacaatgta aactgagtg ctgtctgtgt atgatgctga ggaggagggt      240
tagcctgagc cggggaagcg gagcttgcaa tgatcgagga tcgcgccact gcactctagc      300

```

ctgggcaaca	gaacaagccc	ctgtcttaaa	aacaaaacaa	aatcttcaga	gcaggcttaa	360
aaaaaatct	ccctagggga	ataacaatta	cctgccttct	gtaatcatgc	atgtattgtt	420
acaatgaatg	ttacaaagtt	ggttacgtga	tgttcatgtt	tttaaaactga	gttattgtca	480
ttttcactca	gattctgccca	cagtaattct	gaaagggttt	aattgaaaat	attttctttc	540
tcagtttact	cgtttactca	ttcattcata	taaaaaaatt	gcttaaaatg	tcaatcatcg	600
gctagacccc	atacccaaag	ccaataactg	gcctcaagaa	tttacaatct	agtgaggaaag	660
acatgttttag	acaggcatta	aaaaacccaa	cctagcacca	agctatgtag	aactcagaga	720
accattnatt	gaagt					735

<210> 2812

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 2812

aaacaagcag	cncctgtaa	anccctcnnt	gcnggaccca	tcgttcgaat	tcggcacgag	60
gacatacgag	aagaaattaa	atgtgacttt	ttattttaaag	caaaacaccg	aattgctcat	120
aaaccgcatt	ccaaaccaa	aacttcagat	atttttgaag	cagatattgc	aatgatgtg	180
aatccaagg	atttgctagc	tgataaagaa	ctgtgggcnc	gacttgaaga	actagagaga	240
caggaagaat	tgctgggtga	acttgatagt	aagcctgata	ctgngattgc	aatggagaa	300
gatacgacat	cttctgaaga	ggaaaaggaa	gatcgtaaca	caaatgtgaa	tgcatgcat	360
caagtaacag	actctcatac	tccttgncat	aaggatggtg	caggtcagaa	ccattcaatg	420
gncaagtga	tagtcagntg	aacnggtcag	tgaatgggtc	caggtcttac	ccagtgtga	480
tgatgatgat	gatgatgacg	acgacgacga	ccacattgac	gacgatgatg	gngatagcc	540
atgangcttt	aagggttggg	gaaaattcta	ttcccacaat	ttattttcac	atactggtga	600
ccctaanagg	gncccaaata	aaaccgggaa	gaatcccnct	ttnaaaaatc	cctggnaagg	660
aaggaagaaa	gccnaaccgt	aancnaaaga	acaanccctg	gcaangggca	cttntggccn	720
agaactggcc	gaccaatnan	gncg				744

<210> 2813

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 2813

ggnntnnaag	ancagctctt	gttctttttg	caggatccct	cgattcgaat	tcggcacgag	60
acgaaatagt	gacatgcact	tattagatnt	ggaatctatg	ggcaaaagtt	cagatggaaa	120
gtcgtatgtg	tattacgggg	agctggaatc	caaaatcccc	acattttcaa	gttgtaaatg	180
aagaaactcc	taaagataaa	gtcctgttta	tgaccacagc	tgtagatttg	gtaataacag	240
aagtncanga	gcctgtncga	tttctcctgg	agacaaaagt	ncgcgtntgc	tcacctaatg	300
aaagattatt	ctggcccttc	agcaaacgta	ntnctactga	aaattncttt	ttgaaactaa	360
aacagataaa	gcaaaggag	agaaagaata	atactgacac	tttatatgaa	gttgtntgct	420
tggaaagtga	atcagaaaga	gagaggagga	aaactacagc	cagtccttca	gttcgcctgc	480
cacagtctgg	atcgaaagt	tcagtgtatac	cttctcctnc	agaagatgat	gaagaggann	540
ataatgatga	acctctnctg	agtggatctg	gtgatgtatc	caaagaatgt	gcanaaaaaa	600
ttctttgaaa	catggggaga	actgttgtca	aaatggcatc	ttcaacttgg	aatgtgaaga	660

cccgaancan gttggcattc cttagnagg aaaccgtgtn ccttgaagct cttcnangga 720
gaagtctngc cacctgcttn ccangg 746

<210> 2814

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(729)

<223> n = A,T,C or G

<400> 2814

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ggnnntnaaa tncagctact tgttcttttt gcaggatccc atcgattcgg gagaccaggt      60
gggagccact cacagaaatc agtaacatga aaaccacagc caaaaacca ccactgtcac      120
tcaacgcccc tcatcacggg caggacagtt ctacatcatc tccctccggc ctgaggcttc      180
ccaggcagtg tgggaagggg ggctgcatct cctggctggg gttcacacct aagtttcctg      240
aggtccaagc tgacctggaa agtttctagt gagtggcaca tcctgtcca acaaggggaa      300
cacgggcagg atgtgcctgc accctgggaa aagtgttgtc tccgcacacg gggaagaagt      360
tgtctggggg acagaggagt tccaggtagc aaacacaggc tacagggcaa gggttggaag      420
aggctggcag ctggatgtga gacagccagg tgggaagggg tccccaggcc cctccagccg      480
gcctgtgcac tgggaggggt gcacactggg gtggagccca cagaggtttg tgccatttgc      540
ggcggggaga acctgccctc ctcttcctgg gtggaattca atctgtgagg cangaagccc      600
atggcaggaa acacactatc ttgctttgct ganggtctct atttcccttt ttttttcctt      660
tttgcccaat aaatcccttt ttctacttct tcaaaaaana annnnnnaaaa aaacttgagc      720
cntntaaat                                     729

```

<210> 2815

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(711)

<223> n = A,T,C or G

<400> 2815

```

caagctcttg ttctttttgc aggatcccat cgattcgctc tcactagccc tgggcacttc      60
ccactgcctt tgtggacttc tgtttgcctc tctgtagaat gggataacag tgccagtcct      120
gcttactatt tagggttatg tgatgcttgc agatgtacag ggaaagcacc gctgatggga      180
gctgctgaag tttctagggg aggtgaagggt ggcgcctcct cccctgggtct aagtggtaga      240
tggtgcaggg agaggagaat ttcattctgt ggcagcagct gatagattcc aggtctttaa      300
tactacctgg gaaaccttaa caaagcagtc agtcaccaa actgacctag cttctgagca      360
ttgctaacca tgcttttaga gaaacaggag aattgcttga acccaggagg tggaggttgc      420
agtaagccaa gatcacacca ctgcactcca acctggacaa cagagcgaga ctccatctca      480
aaaaaaaaaa attgtgttgc ctcatacgaa atgtatttgg ttttgttggg agtgttcaga      540
ctgatctgga agtgaaacac agtttatgta cagggaagg gattttatta tccttangaa      600
tgtcatccaa gacntanagc ttgaatgtga cgttatttaa aaacaacaac caagaaggca      660
gaccnggata tactngaaaa aggatgcttt ttttttttta ctccctctaa c              711

```

<210> 2816

<211> 739

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (739)
 <223> n = A,T,C or G

<400> 2816
 gnnntnttaa tacntnaggc tcttgttctt tttgcaggat cccatcgatt cgctctagca 60
 tgtgccataa attacagtga cctttaaaat ctgccttggt cactgctgaa tgggtgagaa 120
 taggcttggt tccagttttt aaggtcacac tgtcctaatt tgcaatgcat cacacatgt 180
 actaagttgg taacaaccgc ttagaggaaa gctttcgta tgcaagggag aacatcaaaa 240
 agggcactta tcccaaata atgcagcaat ttaaaccaaa gatgtttacg cagggcaaga 300
 acaaagtaag gcaggagttt ggggtcaact aggctgatgt ctttgaacac ccatgagctc 360
 actggaaggt ctgaatatct ggtggccgat gggctcgggg tgtctcgta ttgcttagaa 420
 gcgaaaatta aatgctgagt tatgtgggtg aaaatatgta tgtttgcaat tacacatgga 480
 atgtaaacca aagatacaat tctaagcccc ctaaccacta aatggatccc tnctctcagc 540
 caagggcatt ccaaagttaa cctgaaacac tagttcangc tgtgatggaa atgagtgggt 600
 gggacatgcc ttcattggaag gaattcagac acaactgaac agcatgaaca ttcaaacngg 660
 agaccttaag tctacaaaac cagactcttt gtagccatta agatgcttga tatgacagaa 720
 aggcctgaa agcaatana 739

<210> 2817
 <211> 730
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (730)
 <223> n = A,T,C or G

<400> 2817
 gtnntttttn tatccctttc nanttgctct ttttgcagga tcccatcgat tcgaattcgg 60
 cacgagagta aattcagtggt ttctgttgcc gaagagtgtt tattgggtct ttcactttca 120
 tttcataggg ccctttcttc tactggcatt ctcaacttga attactaaga agttttctct 180
 aatatccctc tatctccttt ttctttctag ttttagatga agctgtcaga agaacagtta 240
 tcatagaaat agaaacattt aaattaccgg cacgatagct tattcttgc tgcaaccatt 300
 cagaatatct atttgtcact gccttggtg ctttgaagtg aaactgtgct tagatataaa 360
 aagtttaaaa ctcaacttga ttacatgtta agctcacagt ttttacctg cagttcctga 420
 atttagttcc atcaaaactg tatgactagg ccacatgtga tggctcatgc ctgtaatccc 480
 agcactttgg gaggccaagg cgggcggatc acctgaggtc aggagtttga gaccagcctg 540
 gccaacatgg tgaaaccctg tctctactaa aaatagaaaa attagctgga tgtgggtggtg 600
 cgtgcatgta gtcccagctc ttgggangcc cagcaggaga atcacttgaa cccgaaangt 660
 ggangctgca ntgagccaag aatgcgccac ggnactntac ctgggtgact ncatctcaaa 720
 aaaaaaaaaa 730

<210> 2818
 <211> 727
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (727)
 <223> n = A,T,C or G

<400> 2818

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ggnttttnatc agctcttggt cttntgctg atccctcgat tcgaattcgg cagcaggcct      60
tttgtgggggt ctcatacata actcagtttc cacaaagctg tgccccagct cagccctatg      120
gatagaagca tgggtctgggg ttcccttgct gaccaggggt tgtgctttgt ccaagttact      180
gaccttccca aacctcatca atgcacataa aaagagcact tgcaaacaaat gaatctagac      240
atggaccttc acaaagaaat aactcaaaat ggatcccagg cctaaatgaa aaatgaaaaa      300
ctataaaaact cctagaagat aacataaaaag aagatctaga tgacctaggg tttggcaatg      360
actttttaga tccagcacca aaggcaggat ccaggaaaga aataattgat aagctggact      420
tcattaaaac gaaaacttct gctctgtgaa agatgctgcc aaaaaatgaa aagacaagcc      480
acagactggg agaaaatatt tttgatggaa atatctgaga agagaggctt ggtatccaaa      540
atatacaaag aattttctaaa actcaataat ttgaaaataa acaaccaat ttaaaaagt      600
ggccaaagat cttaaagac gctcaccaa agaagatncn cagatggcaa ataagcatat      660
gaaaagatgc tnccggtgg cactngtggt acgcccgtaa tcccacactt tgggatgcc      720
aggcagn                                           727

```

<210> 2819

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 2819

```

gtnnnnnnnn nnaatgctt ggnnnnntcc ngaccntct ttcgaattcg gcacagggtg      60
agatacctgc ccctactttg cttcttcca tgattggaag cttcctgagg ccaccccaga      120
gtcagaagcc gctatgcttc ctggacagct tgcagaacca gtattcactg actgctgaaa      180
ctagagcatc actgagaagc aagagataga ctgacctaac tagagggaga gctgccatcc      240
aggatgatgc caccatcaca ggaggtgaga aggaacacag catcttctgc aaatgctaca      300
gtaaataggg acggggtgca gcaatgtgag gaaagtggaa tgaacttggc ctttgaaggc      360
aaactaacct ggaatcaaact actggctctg ctgtttgcaa gtgtgatctt tgggtatgct      420
tcctaactctg tgagcttcaa cttcctctc tgtaaaccaa gatcaaagac aaacagggaa      480
acctacttgt ctggtgcccc tccccttggc agaactctc tctgaaggat gacagtttgg      540
ctgtgcccagg gcagantctg cgacacccaa tgagccttca tagcaactat ctgatgagga      600
actcactggc ctacctttcc ttgacagctn gggcctgcca cttgaagca tgacttcaca      660
acgnccctac ccaanggcac ggangttgct gctgatgagc aactgggtat atttaacca      720
ggttctgctn                                           730

```

<210> 2820

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(727)

<223> n = A,T,C or G

<400> 2820

```

ggnttttnatc agctcttggt cttntgctg atccctcgat tcgaattcgg cagcaggcct      60
tttgtgggggt ctcatacata actcagtttc cacaaagctg tgccccagct cagccctatg      120
gatagaagca tgggtctgggg ttcccttgct gaccaggggt tgtgctttgt ccaagttact      180
gaccttccca aacctcatca atgcacataa aaagagcact tgcaaacaaat gaatctagac      240
atggaccttc acaaagaaat aactcaaaat ggatcccagg cctaaatgaa aaatgaaaaa      300
ctataaaaact cctagaagat aacataaaaag aagatctaga tgacctaggg tttggcaatg      360

```

acttttttaga	tccagcacca	aaggcaggat	ccaggaaaga	aataattgat	aagctggact	420
tcattaaaac	gaaaacttct	gctctgtgaa	agatgctgcc	aaaaaatgaa	aagacaagcc	480
acagactggg	agaaaatatt	tttgatggaa	atatctgaga	agagaggcct	ggtatccaaa	540
atatacaaag	aattttctaaa	actcaataat	ttgaaaataa	acaacccaat	ttaaaaagtg	600
ggccaaaagat	cttaaatgac	gcctcaccaa	agaagatncn	cagatggcaa	ataagcatat	660
gaaaagatgc	tnccggctgg	cacngtggn	acgcccgtaa	tcccacactt	tgggatgcca	720
aggcagn						727

<210> 2821

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 2821

gnannnncta	atgctcggct	ngttcttttt	gcaggatccc	tcgattcgaa	aaagttgagt	60
atztatatgt	gccagtgtgt	atcatgctga	atactttatc	tggatgggtgt	tatattatcc	120
ctcctataga	ctattgagtt	gagtactgtt	attagatcca	ttttacaaat	gaggaaacta	180
tggagagatt	aagtaatttg	cccaagatcc	cataataaga	aggcaagtgt	cgaatgccag	240
gcattctaac	ttcagagtcc	atagtcttaa	cccttgctgt	attctcttcc	acaaatacac	300
ccagcaggta	aaagactgag	aaaaataaat	atcaaaaagt	accttttgaa	attgactaca	360
tgaagttacg	aaaacctgag	ttgttttggt	aaagcgggtga	gtacaaagca	gtattttgga	420
gagggttggt	cagggaatcg	gagatgaagc	tgtgtgctga	aaaggagaga	agaaattaga	480
ggaagggaat	ggtggcctta	cagagaatac	gacttgaagt	gatgtgaagt	gtttgcgctg	540
ggtgaatgct	ggcaggaata	agtgaagcag	gagcagtgga	acaggataag	agagatcact	600
tcggagtaaa	gccttgaaaa	gggagtgtag	gaggaaagtt	ttctcccttt	nctgcacctt	660
tcctttgngc	gtaaaataga	aatgtcttcc	ttctgaagga	ttcaaagaga	atgttggtctt	720
ttctttcatt	ctc					733

<210> 2822

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(739)

<223> n = A,T,C or G

<400> 2822

cgcatTTTTa	atncagctct	tggtctttnt	gcaggatccc	atcgattcga	attcggcacg	60
aggttgtagg	cctccctcat	ctgttcattg	gctgtggcat	taggccagct	actctttgca	120
cttctgtnaa	gtgagacggg	cgatcttgct	tgccctctta	gaggatggct	gcagggtgtca	180
aatggggtag	ttaggtggga	nggcatttca	caaagttaaa	aaatatgact	ttggaggctt	240
gttatattga	tgaggattat	aatccctgag	aattcctggg	atgaaaaagg	gaaaagaaga	300
taattttgtg	agaaataag	tgtccagtta	ctagtctttg	aaaagggtca	gtctgtagct	360
cttcttaatg	agaataggca	gctttcagtt	gctcaggggtc	agatttcctt	agtgggtgat	420
ctaatacacg	gaaanattgt	ggttccctcc	agtctctttc	tgggggaatn	gagcccactt	480
ctcatttcat	ttaattagat	gaaatagaac	tcaaagtaca	atttactgtt	gtttnacaat	540
gccacaaaga	catgggtggg	agctatnctt	tgatntgtgt	aaaatgctgc	tttgtgtgct	600
cataatgggt	ccaaaaattg	ggtgctngct	aaagagaaga	tactgttaca	gaagccaccn	660
ngaagacctc	tgttcattca	caccccccg	ggtatcagga	attggcttcn	agnngtgtgc	720

caaatccngt ttgcctatn

739

<210> 2823

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 2823

```

ggttnaatag nagctcttgt tctttntgca ggatcccatc gattcgaatt cggcacgagg      60
atgtcctgct atacaccatc cactgccctg ccccttaagc ctcacatctt tcatctctcc      120
tagttccaac ccatggtctc cagacgatga ctctgcctcc ctgttctggt agcattcaca      180
gattgccttg tttagtagcc tttcacatga gatccacttg acagcccctg tcctcaccctc      240
tcctcaaaact cctcaccaca ctgaaactct tccagctcca tgagtagggt cttgggtggt      300
ttcttcacct gcaggttcag gtcaatgctc agccggggac tcgacaggga tgctttgcag      360
gtctctggag tgccttttgt gcagtccttc ctctgtggta ctctgccctt gaactctcac      420
tgcttgggcc tccccaaagt ctaaaccttg tctcctcaac tcagaaagtc ctctgggctc      480
tgtctgggct ccccttcctt gtatgtggaa ttaaactctt ctgcangcag gaagttgggg      540
caatcctagg gtcactttg ttatcttccc atctctcagg gatcactgtc ctgatgtcta      600
ttgncttggg aaccgntgtt tcattttttt tctngnntg gtttaaaca ttttttttca      660
ngtgggangg taaatcagct ttgntactnc atcttggctg gaaattcata accnaaggtt      720
aactgtttta                                     730

```

<210> 2824

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(739)

<223> n = A,T,C or G

<400> 2824

```

ggtttatatg mngctcttgt tctttntgca ggatcccatc gattcgcgcc gcccactcg      60
ccccagccgc cgcatgaag gccnggtgc agcgcgtcac ccgggccagc gtcacagtgt      120
gaggagagca gattagngcc attggaaggg gcatatgtgt gttgctgggt atttccctgg      180
aggatacgca gaaggaactg gaacacatgg tccgaaagat tctaaacctg cgtgtatttg      240
angatgagag tgggaagcac tggtcgaaga gtgtgatgga caaacagtac gagattctgn      300
gtgtcagcca gtttaccctc cagtgtgtcc tgaagggaaa caagcctgat ttccacctag      360
caatgcccac ggagcangca gagggcttct acaacagctt cctggagcag ctgcgtaaaa      420
catacaggcc ggagcttata aaagatggca agtttggggc ctacatgcat gtgcacattc      480
agaatgatgg gcctgtgacc atagagctgg aatcgccagc tcccggcact gctacctctg      540
acccaaagca gctgtcaaag ctcgaaaaac agcagcagag gaaagaaaag accagagcta      600
agggaccttc tgaatcaagc aagggaaga aacacttccc gaaaaggaag accgcaatgc      660
cagcaacggg gctnaaggcg acgttgtnct tttgaacggg aaccgtaact naangaggaa      720
naattantnt gttattaat                                     739

```

<210> 2825

<211> 747

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (747)
 <223> n = A,T,C or G

<400> 2825

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ctgtgtccag	cgtcctcggg	tcaggggaaa	tgttttgggtg	ttcatgagta	gtatgtcccc	120
cagtgcacca	ttgtgtgggc	gtcctcatgg	ggatccatt	cttctaggaa	gatcctgggg	180
ctgtttccag	ttcgaagcca	ttattaataa	agctgcaagg	aagaaatatt	tttatggatg	240
tggtgtttta	tatctctgat	aaatatattc	aactggaatc	attgggtgta	ttggggccatt	300
ctcccatgac	caaaaagaaa	tacctggcca	ggcgagtg	ctcacacctg	caatctcagc	360
acttgggtgg	ctgangcagg	tggttcacct	gaggtcanga	gttngagacc	atcctgacca	420
acatggcaaa	accccatctc	tactaaaaat	acnaaaattg	gctgggcccgt	gggtgtcagg	480
tgctgtaat	cccagctact	tggaagactg	angcaggaga	ctcgcttgaa	cccaggaggt	540
ggangttgca	ntgagccgag	atagcaccat	tgactgcan	cctgggcaac	aagagccaaa	600
actctgtttt	gaaaagaatt	caaaaggaat	accttgagcc	tggtgagccc	aagaatgnac	660
tactgnactt	ccagcctggg	gtgacaanag	tgagactgtc	tcaaaaaaaa	aanaagggga	720
ttttttaaaa	aaaagccctt	ttgaacn				747

<210> 2826
 <211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (728)
 <223> n = A,T,C or G

<400> 2826

gggtttaaga	tcagctcttg	ttctttttgc	aggatccctc	gattcgactc	aaagacacgt	60
acatgttgtc	cagcaccgtc	tcctccaaaa	tcttgccggc	cattgcctta	aaggaagggtt	120
ttcattttga	ggaaacatta	actggcttta	agtggatggg	aaacagagcc	aaacagctaa	180
tagaccaggg	gaaaactgtt	ttatttgcac	ttgaaagaagc	tattggatag	acgtgctgcc	240
cttttgttct	ggacaaagat	ggagtcagtg	ccgctgtcat	aagtgcagag	ttggctagct	300
tcctagcaac	caagaatttg	tccttgtctc	agcaactaaa	ggccatttat	gtggagtatg	360
gctaccatat	tactaaagct	tcctatttta	tctgccatga	tcaagaaacc	attaagaaat	420
tatttgaaaa	cctcagaaac	tacgatggaa	aaaataatta	tccaaaagct	tgtggcaaat	480
ttgaaatttc	tgccattagg	gaccttacia	ctggctatga	tgatagccaa	cctgataaaa	540
aagctgttct	tcccactagt	aaaagcagcc	aaatgatcac	cttcaccttt	gctaattggan	600
gcgtngncac	catgcgcacc	antgggacag	agcccaaaat	caagtactat	gcagagctct	660
gtgccccacc	tggggaacag	tgatcctgac	agctgaagaa	ggactggatg	actggcantg	720
cttttgna						728

<210> 2827
 <211> 729
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (729)
 <223> n = A,T,C or G

<400> 2827

```

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cgctacatca gctcagactt ggctgtgggt ntnccttgt gaattgttgt ttccacatgt      120
gtgttgcttc atttttggct ctccgttgct cccatcacct tcccgtctca ccatagggtt      180
tagggtatatt tgctgtgtgt tcaaatagaa catgaaagaa gcctttttaa agtattttctg      240
tgcctattca cagtcctccta aattttatta cagtttttac gttggtttta agagtatttt      300
ggtttgattt atatggaaaa cttctttttt aacattatag taacatagat ttttaaaaaa      360
tgaaattcta ggaaacaaat attatagact agttagatgg caaggagaac aggagtttta      420
gaactaactt ttaatctcca taggtactag ttgtctggac tagctgagtc atttcatctc      480
agtaatactt ggtagtgtgt tgaatagcag atcttgcctg cacagaacac agccagtagc      540
ctgcatgtga caggcacttt attttctggt aaagttaagt acagttgacc cttgaacaat      600
gtgggggtta ggggaaccaa ccttccacac agtaaaaaat ctgggggtgaa cttttgactt      660
cccaaactta acttctaaca gcctactggg tactggaagc cttgctgatn acngaaacag      720
tcaattatc                                     729

```

<210> 2828

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(775)

<223> n = A,T,C or G

<400> 2828

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ggttttntgg nnggggggtt tcaacncngg ctcttggtct ttttgagga cccatcgatt      60
cgaattcggc acgagcatca gtatgcttat ggatttgatg acaggcatag cctgggcata      120
tcacctcatt ggtaaagggc tagagccttt cttttttatg gcacttcttt ttttgagata      180
gggtcttact ctgtcaccct ggctagagta cactggtaca atcacggctc aatgtaggct      240
taacctcctg ggctcagggt tatgtcacta tgcccggcta ctttttgat tttttggtag      300
agacggcttc gccacgttgc ccaggctgca agcgatatgc ctaggctcaa gcgatctgcc      360
cacctcaact tccggaagtg ctgagattac aggtgtgagc cactgcaccc agcctttgct      420
ttatttttta ttttttgaga ggtatgattc tttctagaga ttttttctca tggctactat      480
tagatcagga atgggtgatt ggagattatt agattctagg ttaacttcta ccactttacc      540
ctaatacata aaactttttc ctaaatnaat gatggaagga atnaannnna ncnnccnct      600
mccnctant acaaaancnc tagcccttan aacntttngn nagctnnmtt nncctnnmtn      660
tcccntntc nnncccnnc ctnnttntnc cnnctnnct cnancccccac nanttncnnt      720
ntnnnctnnc naatanattn cncnctnnc tctcannnn ctnntcnnnn ctcnn          775

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<210> 2829

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(725)

<223> n = A,T,C or G

<400> 2829

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tcttttatnn gangttngga agcncaggag nctcnntcgt tcggacaaat cacttaagga      60
gaaagtagaa aaaaagctgt atttttcaa gaggtattct aatcggcaag acaatgacca      120
accattacga ccaaccatta tgagaatata gcttagggag gtttgtgtc agctcctctt      180
ttaccaaatg tcaatgctg cctcagtgt tttcttctg gaggagagt ttgtggatgc      240
catctttccg ttacggaaaa ccantggagg aatgggcagt ttnttgccat gaccacccat      300
catttaaaca antgnggtt gagttcagaa ataagctcat atatacttga attccatggg      360

```

ttaaataagc cattgagtta aagtgggtang aaattaaagg tagaaaatag aagaataggg	420
tgggcttgggt ggcttatgcc tctaattcca gcactttggg aggccaaagg ggaggatgac	480
ttgaggccag gagttcaaga ccancttggn caatatgggt aaaatncatc ttactgaaa	540
ataccaaaaa nattagatgg gcatngtggc ctgtgcctgt aatcccagct actacagaag	600
cttgatgccc cagtattctt tgaaccttgg angttgaagt tgcantgaac ccaagatgcc	660
cactgnactg ganctgggca atgaagtngn accctgnctc aaaagaaaan aatnttaaac	720
aactn	725

<210> 2830

<211> 841

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(841)

<223> n = A,T,C or G

<400> 2830

ctntngggcc cntagnnggg gctttcnata nggcgggctg gtngttctnt ccgnacgac	60
ccnncgntgt cgcagngttt tgagcagagc aagtgcact atcagtactt aagcattaaa	120
agaattgtcc aatgaatggc tgtgctgaaa atatatnnga ggtaaagtaa gctagaggca	180
ggggatttga aatcaggcta agagatgttt gtggtttgaa ttaagtggta gcaggagggtg	240
ttaagaatta gtcacattgt gtatgtattt tgaaggtaaca accaacagga tttccaggca	300
agatagagtg tgatgtgaaa aagaaagaaa ggagtcagta gtgactcang agtttgtctg	360
agcatccgaa gtgtggaatt tcatcacatc ctganagggtg aaagaggctg tangaggagc	420
aatatgtggg aaagatcaga agttcagttt nggacatgcc aaatattact tggccaaatg	480
gttnggggtg atgatngggc gatcntgagt catccctnat aaaatcggca tgcanaatngc	540
ntttaaaaaa ctccagactg gntganatcc caagttgttc gattgnaann acngngnnct	600
cntttggnan tgctccnccn tttaaagcca cttttgggga aaccnacca agggacantg	660
naccatnnn nnattccctt gggnaaacc ccncnaaagt aaattanacg cnaggccntc	720
ntccanccn ntcaaaatnc tttntctna cntccanac nctttttant caaaaatttn	780
nctctcccnt atannccnnn ctnggcnnct tttcnccanc tttnggnan ctntnccnc	840
t	841

<210> 2831

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(803)

<223> n = A,T,C or G

<400> 2831

cnnncnntcn natgggnnnn tgtanggnct cctccaatct cctggctgcn cctgantcgc	60
ctaaacanaa aggctggggc gaattcggca cgagattaaa gttgaagcct ntctaatttt	120
tgaagggtga gcactttgggt tattcatgggt tttatatgac gatcatcttt tatccatcgc	180
tgcagttatc tattttgact tgaattggag gcagagctcc accaccccag tgtgtcgtct	240
gatttcccag actanagtcc agcctttcct gtgcttgccct ggcttccctc catgtngett	300
cctacccccc catctatacc cttcacatcc aaaatccaa acctcacact catacgagaa	360
tcctgntag ggtcggntna tatttacaca ctaaaaatct ctaattttga atttgtgtg	420
cctataaagg aataccanga ataccttaaa gttataattg attnattagc atctatttta	480
ngtcatnctt gggggantga tggaaagaat ccacatagac tccaganaga tggncnangn	540
gtttacctgc ccagccttga aacatttccct ctttccctcac annggatggg ctctcccata	600

antaanttca	tngggccccc	naagctntaa	agnaaaaant	aaagtgtctt	tctcattttt	660
aaaaaanngc	aacctttgcc	tgttcaaaat	atgtccaatn	cgaanccccg	naaaatgttt	720
aaaaangcnn	tctntgggct	cnaaatggng	gttcaanggt	ncnncctgac	ctgncnnttc	780
tgcncaann	cattntcent	cct				803

<210> 2832

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(755)

<223> n = A,T,C or G

<400> 2832

tnngnggggtt	tgngggggctt	tcnaaatggn	gtcanegctg	gctntcngca	agatcccatc	60
gattcgaatt	cggcacgaga	gaaagcctta	cgtgtgtgct	gagtgtggga	aggccttttag	120
caacaggtcc	aatttgaata	aacatcagac	aacacacact	ggagacaaac	cctacaagtg	180
tgccatctgt	gggaaaggct	tcgttcagaa	atcagtgttc	agtgttcac	agagcagcca	240
cgcttgagag	aaacagtgtg	agaaaacccc	cctgagggtt	gggtctgatt	gtacactgtt	300
gcacgcagtc	agcagaaaaa	tatgtatatt	attgtaaata	gaaatgacca	catcagaatg	360
tcacacatgg	ctgttctgga	gagggcctct	gagaaggcac	tgaatgaggc	gagggaccct	420
tectacattg	tcaccatccc	cagtaaacct	tgggtcatta	ttcatactga	caaggaaaccg	480
agtcaatttg	gtgaatagga	aaagccttct	catgaaaact	acaatagaat	actgttacca	540
aattcttcat	angaaagatc	atattatggg	aatgataatc	ctgttactgt	ggattaggta	600
tagtgccaac	agtttgaatg	gtaagacaac	ataatatata	tgatagtgat	gaaaaanaaa	660
aaaaaaaaac	tcgagcctnt	agaactatag	tgagtcgtat	tcctanatcc	agacttgata	720
ggatccattg	ttnanttngg	caaaccncca	cttga			755

<210> 2833

<211> 883

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(883)

<223> n = A,T,C or G

<400> 2833

nngtggnttt	ngtgggcttt	cnaattccnn	taatcgctng	ctntccgcaa	catcccatcg	60
attcgagcaa	gtcagcaaat	gtgggagatg	gaaaactggc	ttcctncacc	cacctagggt	120
ctttggctgg	gctacaaatt	aaatggacat	aaaatagatt	aacaggagaa	aaaacacagn	180
aattatgtgt	atatgcctgg	gagtcacaca	aaatatgaga	ctcaaaagaa	gggtccgaag	240
aggggaagctt	atatagcccc	ctgagccaca	gaaaggaata	gggacctggg	gcttctgggtg	300
gggtgggtgg	acaagttatg	gaagagtgg	gggaggaagt	gtaggggtgag	taaatgtgggt	360
cttgttatgc	ccataaaaatc	tcttgggtaca	tcacagntgc	ctggagcanc	cncagtcctg	420
atagagatac	tttactaatg	tagattttct	tgatggatat	cattgtgttt	tacaaanggg	480
cagcttttna	nagccactcc	tgtgtctgca	attttctcag	nataaccag	cccccaaata	540
ttgacaaggt	nttagtttgg	ggtgngnaat	atncctggcc	ttccctacca	ngttngcnat	600
ttttnggggg	ggtgggtaat	ttgctncccc	gaagncccc	caaaccacc	angnaaanaa	660
aggggaagg	ggccaanntn	nnggggaaaa	tttttaaagg	naaatttttt	ccagggnattn	720
aaaaggccat	ttcctcnaat	tttttgggna	aanggggaanc	caagctnngc	angggmaang	780
gccttgggaa	cccaannant	nagnaaaaag	gttnaaacct	ggcattttng	ggaaaaanaa	840
gncaagtttt	tggaaaaaaa	cccnnttgta	ncaanngttt	tnt		883

<210> 2834
 <211> 1090
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1090)
 <223> n = A,T,C or G

<400> 2834
 tgggtnttng gggggnnntt ngntcgancg ctntnngcct ngtecnngcg cngganccca 60
 tcgattcgga aatatacttc cttaaagat ggcattcct aaatccatct aggaatgttg 120
 gatgtatcta tctatctatn tatctatcta tctactgnat taagcccnt ctcaaatng 180
 tagggtcaga agtatggacn gataattcat aatcaagttc ttnttcttta tgcccagaag 240
 tctgnatnct gencagactt gcntaccct agctgcgcta aagntcanaa gntttgagcn 300
 gccactgaag tattgactgt ggagaggcgg tgtatnccgt ttnccaatga ngngcctttc 360
 tgtccaggat naggcttctc ggnanttncn cnaggaagtt gcatngcntt cagtcctttt 420
 nnggcttana gccnccggc nncncacgtg ttccttattt gttttgacgg agnggtcntc 480
 nngctcnatn tctttacnct gattctgctn tttcatcnan gtgnnccttc ctcannntta 540
 ttngtccaa aggnngaata cngggttann ctatnnnggc nannatcttn ntnttctnng 600
 aatccncttg gnttctaata cnttgtctt caccnancct ttttaacccc tcttactctc 660
 tccnttaana atanacctn ttntatctcc ncttnnnacn ttataanttt ngnattgggn 720
 cnanngggga attttncana ctagtcttan tgatntctc tccgtcctta ntctntnttt 780
 atncacant acnctgnagn tnaananca acctctcng ggnngngccc cttctttnan 840
 aganaaccct ntatntnagt tnggaangng ncccggtat ntatatcccg gttangnaa 900
 tccccccang gcacctcttg ggaatttaan gggatncccc caatttnngn gatctgaaa 960
 gtnttttngg ggggcacct aanaacnna cacnaannct tntgggaaaa ttggccann 1020
 tgnnaaaaaa aaaaaaanan gggccctcnt naaatttng gnnngaaaaa ntttngggn 1080
 gtanctcct 1090

<210> 2835
 <211> 807
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(807)
 <223> n = A,T,C or G

<400> 2835
 tgggtnnntn nanttcgctn actnaanac gntccantnn ctctgtntac gnaagcaan 60
 cnggcnggnc taattcggca cgcagatttc agcctgggca acatagttag actcntgttn 120
 ntataaaaaa aaaatcccac aatcctatca cacagagatg gcaaacctta gcatttgctc 180
 tggtcacctt tgggaaggac ttttanatca atgtcttgct tctctgtggg ttcttttggt 240
 actcacacct gcttctgggt atagtatgac tataaagttg atttcttggg taaggcatga 300
 tctatgagag gaagctnnta attngatgan catcanggta atnntagctg ggataccttt 360
 tctttgccct ctccaatcaa acntgagaag ttgaaaatnn aaaattatgc ttttgaggc 420
 nttgntgtna acctaaaata taactcaagt gatctgtagt tntccatag tgactgtca 480
 acagctattt gcttttcaaa tccaaactan tttcatnaaa gaaaaccant ttggagtga 540
 ttcagcttat aattngnaag cttagacatga aagnnttnaa aagcctntnt agcctagacn 600
 acntggcccn catntttng tnanntctg cnttntggga acttgnncna tgctaacccc 660
 antaccnccc atcntgcnn ctcctnttaa antgcntttt gaaagngggc aaaaacnngn 720
 tagnaccnnn tancctntca aaaggttgnn nngttncttg caaatggaa gccnngcct 780
 ttttaangggg cggncttttc ctttncc 807

<210> 2836
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(752)
 <223> n = A,T,C or G

<400> 2836

gnnnnnnnan	ggggggtttc	antctnnctg	cagccgtttt	cggtcttttn	gcagatccca	60
tcgattcgaa	ttcggcacga	gaccaaagct	gctggagcct	gaggcagaga	accagaggcc	120
ggaggcagac	tgctcttta	cagccaggaa	tctcagagga	tttgaaaaag	gtgaaggaca	180
ggatgggcat	tgacagtagt	gataaagtgg	acttcttcat	cctcctggac	aacgtggctg	240
ccgagcaggc	acacaacctc	ccaagctgcc	ccatgctgaa	gagatttgca	cggatgatcg	300
aacagagagc	tgtggacaca	tccttgtaga	tactgnccaa	ggaagacagg	gaaagtcttc	360
agatggcant	aggcccatcc	ctccacatcc	tanagagcaa	cctgctgaaa	gccatggact	420
ctgccactgn	ccccgacaag	atcagaaagc	tgtatctcta	tgcggtcat	gatgtgacct	480
tcataccgct	cttaatgacc	ctggggattt	ttgaccacaa	atggccaccg	tttgctgttg	540
acctgaccat	ggaactttac	cagcacctgg	aatctangga	gtggtttgtg	caactctatt	600
accacnggaa	ggagcangtg	cccagagggt	gccctgatgg	gctcttgccn	ctggacatgt	660
tcttgaatgc	catgtcagtt	tataccttaa	gccagaaaa	atacctgca	ctctgctttc	720
aaactcaggt	ganngaaatt	ggaaaatnaa	na			752

<210> 2837
 <211> 745
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

<400> 2837

cnaatcgntg	cgaattcggc	acgagcctga	acctgcccat	ggagacagtt	gtnttgaggg	60
ttgccacaca	cagtgagggc	ggagcagggg	ggctgagggc	acaggtgcct	gggtctgtcc	120
cacggggcan	ggctttgggg	ctgtgatgct	ctgggaagcc	agcttgggtc	ctgggtctac	180
agagggccct	ggccccggag	cccagccagc	tctgcctctc	tcagggcctg	gagtcctggg	240
ggagctcagc	cagctctgcc	tttctcaggg	cctggagtc	tggatgaatc	ctgcaggttt	300
ttgggttgca	ccggcccagg	gaggaagccn	ngggtttgtc	angtgggctc	tcctggagggt	360
cctcnagtgg	canggggtgac	gaggggatta	tntgangcat	ctgganatgt	atatcctgtg	420
gnntnccctg	cccctctgnt	tccgatgaag	tgtaccgatg	aatgaccttg	actaaaannt	480
nagtttgcca	cananaaaaa	angggaggnt	tantgggnnt	cnaaaatcaa	gnaatggtn	540
caacctnggc	cttcgcagaa	tggaaantac	naaanacggg	gnaagatcct	catgnccatt	600
tcccatgggn	ttggncaggn	ttttggaggn	attctnnggn	cccggcaaa	gccccatttn	660
aaanttnatc	tagncnggna	ccnggnctat	tncngnctaa	gggnnttgc	cttntccttn	720
aacncatnga	atcccttaaa	tnant				745

<210> 2838
 <211> 719
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (719)
 <223> n = A,T,C or G

<400> 2838
 gtngnggnag ngatcgtgan ccctctncct ttngnccagg cancccatcg attcgcaaag 60
 atctaagtag tcacaggatg ggggangttt ttgggaaagg tcnggattag cagagttgag 120
 gcagaaagaa gtagaggga atatcttana aggcacttgg acagaatggg ggtgatataa 180
 aagatgtatg ctgacattnt ggttttggn cctagaaaat ntagcanaaa gngagaatnn 240
 gtgccataca tccngntctg caccctaata tggaaanttg ncnttccaca cnagnnttcc 300
 tncacaatta acctntaagg catttnatgc cnntgcctcc acancnngga anagtacgac 360
 aaacntccta nangactaga naaaatngcc cnnttcagan acattancag tacgtgtggn 420
 tagaactaaa atggctcnca ggctcactat ggnagtgan aggnatgcag anaaaaanga 480
 aaaccccan gtgtcantga ctgtgaacag gcctantnca gangcnctta ttgngcaatn 540
 gcccttaaga nattgcccc angannacc tgannacccc ccggaattgc cggaaaagaa 600
 tacngatgag gagctnacgc ttatgngaag atgnatnaac cctatgttca gtgtaaacgg 660
 ggntacaatn cnccaaanag cgnanctcaa gaacnagcct tcccgnnagg cnatcccaa 719

<210> 2839
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (786)
 <223> n = A,T,C or G

<400> 2839
 cnngaangntg tgatgnatgt agncgttccc naggaancca ngcgattcgg nttggcgaat 60
 tcggcacgag cccaggtgtc tatccacttg ctagnatttn ntcagagag ttagatacca 120
 gttttctgct ggaaatacag aacatttcct gaaaccgtgt gggtgaggtg aaacaggcat 180
 tttgcagtct tatattttga gtaaggccaa acctgcctag tgttataaaa ctagacaaaa 240
 aaccaggta cccggtcttg caggatagaa atgtgtgact aaaatgaagc atcgatctga 300
 gaagactaca aattagcggg aacctttgga caggagcatg ctatadatta cttagattca 360
 tgttgatatt taaggagcca ngatnttgat nngtntttga ggggtgccc tntacttcat 420
 ataagaggtc ataaactgna cttctttcag ttantgctta atccnagctc aaacaagaaa 480
 taattgctta ttccaaagta gacattggna catcttttcc taggnacgta atctgngatg 540
 aagtctgata aagtcctta agaaattctt atagtacacc ctcacaagan tgtattcatc 600
 taccogtggg ttaaacnnga aaattaaaaa ttntaaccct cgnnggagaa aatttaccaa 660
 agtntttaat gggtttcagg ncccttaatt aaaaaaactt tttaaccctt ggccttgga 720
 ccccttaaac cttaattnat nggatctnaa aaacaaatgg gntttnttgn nngaaaagtc 780
 nnanct 786

<210> 2840
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (739)
 <223> n = A,T,C or G

<400> 2840
 tttttgntg tgtggtcgcc ctncctann ntgcaggatc ccatcgattc gctggaaggt 60

tactgcaaag	acagcctggt	gaaattgttn	tnagtacaga	ggctttaatg	ggttctttga	120
ggtcaggtag	agggttatggg	gggagcacta	cagtgagcat	atacccaaaa	tgaagccaga	180
cttccaaagg	acgttctcac	tggagagggg	gcttaatggt	aaagtttaaa	ctttaagggg	240
ttaggtttta	gattaaggcc	caggagatcc	aaggggaang	aggagggtag	gaaatcanan	300
ataagaggag	ctgttgtcat	cgcagggtata	gtmataatta	anatagtta	aactttcata	360
ggattttgca	tttatttcac	cagnnttttt	ttctagattc	ttaaatctgc	atatatctaa	420
atcttataaa	tttggggaaa	tgtacacatt	tacatgggtac	atttcactca	attttanagn	480
ntggctnttc	ttgtgaaata	gaattaaata	tatgtgagta	aatcaagacc	cctaaccatc	540
attaatgtat	tatttggtta	tttctggcca	aggcccttct	tgattctttn	aaagtgtgct	600
aagcccatct	tcttcattac	atccctctta	ttttttgtgg	ccaaattnac	taaaatntan	660
gtatcttttg	gtggantttc	anatttttga	aacctacctt	gttttgaaaa	tncatctttt	720
aaaaacctnt	tttccaaaa					739

<210> 2841

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(767)

<223> n = A,T,C or G

<400> 2841

agnttttnaa	tcctttggcc	antcgcncct	tntgcangat	cccatcgatt	cgaattcggc	60
acgagaaaaa	gtnaagcttt	tcattgagcac	anntnccttg	cattgttnga	tgttactgat	120
attcgtaaaa	tgaatatctt	ctgttttggt	ctgttnnatt	tttttgagac	aagtcttgct	180
ttgttgccca	ggctggagtg	caatggcatg	atcttggttc	actgnaaccc	ctgccttgcg	240
agttcaagtg	attcttctgc	ctnagnctcc	tgagttagctg	ggattacagg	cgctcaccac	300
cacaccacgc	taatttctgt	cttttnagtn	gacacagggg	tttaccatgn	tggccaggct	360
ggctctcaaac	tnctgacctg	aaactnctca	caccngtnat	ctcagcactt	tgggaggctg	420
angtggaag	gatcacttga	agccatgagt	ttgagaccag	cctgngcnac	acagcngaga	480
ccccngtgnt	gtacaaaagc	ttncnacatt	tanctggctg	aggagttnct	caccntaac	540
ttccancnan	tcnnttaagc	nnanncatnt	tgaacacntg	agcccannta	nggtcgatgc	600
tnntagtnaa	ccgtgactgg	accacttaca	gtccaagccc	gggtngcctt	ataaagaan	660
cggaaaacat	ttcmttaatt	cggtttnnag	cnttanctat	ttcggaatnc	cttgngtttt	720
naaaaacttg	aatctccaan	aaacagggtt	ttttcttttg	gnccann		767

<210> 2842

<211> 873

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(873)

<223> n = A,T,C or G

<400> 2842

cgtacggaac	tgancgggaa	atccctcnct	gcaagcagcc	cangcgacgc	gaattcggca	60
cgagacctaa	tttttgagaa	cagcaagccc	tnnttgacca	ctctcttcag	cctgtgtggt	120
ccggtctgtt	tgaagtaatc	aaatgctgtg	catggtattt	tacctgagct	gcaacctgnt	180
atggacntga	acntcnggat	aagntgaaag	caagagtccc	tgagtataaa	ggaaaaacag	240
canaacaaaa	agcaaacnag	ggncacccgc	gaaagnctaa	aaagncccan	tggtgangcc	300
cnntaaaana	anctagcttn	cagctgtcag	gagctaatac	tctctgnagg	aattgganac	360
gggatnaggg	cgaacaanan	agggtgtaaa	cngtggagct	ggcatgagta	ctgcangcaa	420

<210> 1502
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1502
 gtttttttaaa gaacttgata aatttacctt aaaattttaa taaagtatac tgaataacta 60
 agtcaactta gaaaaaaaaa agtggtatct aagacaagtt acaaagccat caccaaagcc 120
 catgatccgg cagacgacta caagcatagg gtcagatcca tctataaatg agagcctgac 180
 atacttcac ttagcacaac atgggagaca aatcagtggt aaaatgatac agtggttggg 240
 aagtgttatt tgaaagatgg gcttatttaa tgtatacaga tgaactcaat tcctctgtaa 300

<210> 1503
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 1503
 aaaaagaaaa aaaaaattag ccaggcatgc gaaacgctga ggtgggagga tcagatgagc 60
 ttggggaggt gaggcctgcag tgagccttgg tcatgccact actgcgttct agtctgggca 120
 acagagttag accttctctc aaaaaaaaaa cccaaaattg taaaattact tctatagcta 180
 tattttatga taaagaagtg attgtttctc aaaatcgcat ttaaggagc ttttatggta 240
 cttgttgga ttgggactta g 261

<210> 1504
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1504
 aagggtgggtg gatcacaacg tcaggagatc gagaccatcc tggctaacat ggtgaaaccc 60
 tgtctctact aaaaatataa ataaattagc cggacaggcg cctgtcctcc cagctactca 120
 ggaggctgag gcaggagaat ggtgtgaacc tgggaggcgg agcttgagc ggcaccatca 180
 tatagctcac tgtagcctca aactcctggg ctctagtggg ctccccactt cagcttctgg 240
 agtagctggg gctactgcac ctggaattgc cttaactctgt ttaataacta ttaaaatttt 300

<210> 1505
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1505
 aattttcctt atatgttctt tgacccttga attacttaga aatgtatatt ttaatttcta 60
 aatacttaca ggtttaaaaa ttttgtttcc aattactaat ttaattctgt ttcacagaa 120
 agcacgacca tcgtggcatt gaaacttgag ttatagccta ctatcatgat caatttaaaa 180
 aatatatata tagggctggg tgcagtggg cacaatctgta atcccagtg tttgggaggg 240
 tgagggtggg gaatcacctg aggtcaggag ttcaagacca gcctgggtcaa catgacaaaa 300

<210> 1506
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1506
 aaaaaaaatt gtggtgatcc acacctgtaa tcacagcact ttgggaagcc gaagcgggag 60
 ggtcctttga ggccaagagt tcaaggccag cctgggcagt ataatagagac cctgtctcta 120

caaaaaat	ttaaaagtaa	agaaat	ttta	agataactaa	atactacata	gtcatatatt	180
ttaaat	attacataaa	ggtaaacc	aa	atagaagagg	aaataatgtt	atgccctact	240
tcatatgacc	aaaaactgga	agatagtgtc	tgaaaatgaa	aatgattgta	ttgggaaggt		300

<210> 1507

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1507

atgacttcct	agctttaccc	ggggtttttt	ctgcagggtgg	agaagggtgg	agtcctccca	60
gatggttcct	tctttgtctc	cctaacagcc	tttaagatgt	ggctacttgt	ttttcccacc	120
gtttaacacc	ctccaacttc	atgttgagca	cgggttcctc	aagggtatcct	gagagctggg	180
tgctgggtgc	tggtttgag	aggcaggatg	atgcttctcc	cggctgggga	gagcagagca	240
ggaaggctgg	ttggcgccat	gaggaaagag	ccacgagggt	ttagctccc	aaccgactcg	300

<210> 1508

<211> 252

<212> DNA

<213> Homo sapiens

<400> 1508

cctggctaac	aggtgaaacc	cgggtctctac	taaaaatagc	aaaaattagc	tgggcatgga	60
ggccggcacc	tgtagtccca	gctactcagg	aggctgaggc	tggagaatcg	cttgaacttg	120
ggaggcagag	gctgcagtga	gccgagttca	cggcactgca	ctgcagcctg	ggcaacagag	180
tgagactctg	tctcaaaaaa	aaaaagtgtg	gaaaaacttg	actttaactt	caaagtttaa	240
tttgaaagtt	ta					252

<210> 1509

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1509

caggactcaa	gatgactttc	taagggtgact	tggggatgca	ggtgatgcat	ttttttactc	60
tttttgaaaa	aatctttttc	ttcgcttttg	gagtgttaaca	tttggatagt	tttattcagc	120
ccataatagg	accaaaggga	aggggataaa	aaaaaattct	ttaaagtacc	tcagataaaa	180
aggttttgtg	aagaaaagga	ctcaaaatcc	taggttatac	caagacttta	tgttcatttt	240
gaattttctt	tattcatttt	tttctctctc	gtgtatagaa	taatcaggag	atattggtgg	300

<210> 1510

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1510

gggacattac	cagtcattgca	aaccaatgtg	caaaatgcag	gcgttgctgg	gagcccagaa	60
ggcctactgg	ccagggtgtg	cgatgctgaa	tgtgcagcct	gatgccaggg	ggtgggcctt	120
gagtgtgccc	cagccaggaa	ctcctcagcg	cccagaatac	caatgaccct	cctttccccc	180
agctccaggg	cctctgcttc	cctctccttt	cccaggctct	ccttgctttt	ccctcctccc	240
tcctgggact	gtaggcaag	ccctggcac	ggacagtggg	caggacagcc	agatgcctag	300

<210> 1511

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1511

attatattaaa	gcttattcaa	tttaaaagac	tacttgtaat	tccggactta	ttctttaaat	60
agttgggtatt	aagggtttctt	ttgtaaaata	agaggtggta	gtatttttca	atgcccttaa	120
ttaacaaaat	taaaagtttg	aaaaccatat	gttgattctc	cctcatttta	aaaaattttg	180
taattccact	ggtccacaaa	aatcccaatt	gaggagagct	ctgggaagag	cacattctgt	240
caatgggtct	caacattttg	gtctcaggac	cactttacat	tcttatttag	gaaatgacct	300

<210> 1512

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1512

cttggatgta	tggtttaata	tgtatacctt	ataattctgc	ctctagccaa	atgctatggt	60
tgcaaaatgt	ggcatctgtt	agtttttatt	gtctgtgtct	tctttgttta	ctataccttg	120
ggtaattttg	tgttaccaa	aaaaaaaaaa	gggacgggta	nggtnaaacc	cccaaaaaag	180
ncaatncnng	nttttancct	naaanncnaa	tntcaanggt	natnnccaac	natngggntt	240
ttttnaacnt	tnaaannctt	tangencnt	atnntggcnn	ttnnnaantt	tgggggttgg	300

<210> 1513

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1513

cccactgaaa	actgtgtgtct	agaccaactt	ttttttctat	tatttttttt	cttcttatag	60
agatgaggtc	tcactatggt	gcttgcccag	gctgggtcttg	aactcctggc	ttcaagtgat	120
tctctcacct	tggcctccca	aagtgtctggg	attacaagcc	tgagccacgg	caccagttct	180
cagaacaact	gctattgggt	catttaacaa	actccattac	aattttactt	ttcctgtctcc	240
ttttctagac	tgagtctctg	aatcatttct	cccatatatt	gtccatacct	agaaaaacacc	300

<210> 1514

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1514

cgccgccccca	ctgcgccag	cgccgccat	gaaggcctg	gtgcagcgcg	tcaccggggc	60
cagcgtcaca	gttggaggag	agcagattag	tgccattgga	aggggcataat	gtgtgttgct	120
gggtatttcc	ctggaggata	cgcagaagga	actggaacac	atgggtccgaa	agattctaaa	180
cctgcgtgta	tttgaggatg	agagtgggaa	gcactggctg	aagagtgtga	tggacaaaca	240
gtacgagatt	ctgtgtgtca	gccagtttac	cctccagtgt	gtcctgaatg	gaaacaagcc	300

<210> 1515

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1515

ggatctcata	gctaggggaa	atttcacaaa	taagggtgaga	ttttgtaacc	aataataaaa	60
atgaatgttt	ttataagtaa	ataacttatt	tttcatatgg	ctaaagatgg	taaaatgact	120

tcattctata gccattgtaa ataagaattt gctattgatg aaagaagttc agattggcat	180
ttgaagtatt gagtgtatgg gatctctaag gatttcttag attttatatt taaatatttt	240
ttaaacctta gaggagtcaa caaactggct cttagattttc agcaccctac tctcatgaaa	300

<210> 1516
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1516	
cccagccata atggagcctg aaatcaggaa ttcatgtttc aaggttacat gtacaaatgt	60
atgccctctc agaacaatgg ccattttgag aaagccagtg agagacagcc agaccaggtc	120
ctctggccta gcacccacca gtgcctgccca gctcagccca agtctcctca cctaggatag	180
cttgatggaa taacaatgta ttttaatttt ctgtagacct aaaactgctc ttaaaaagtc	240
tattttaaaa atccatcatt aaaacacaga ctttctccat aataagaagt tggaggggct	300

<210> 1517
 <211> 247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (247)
 <223> n = A,T,C or G

<400> 1517	
tgctattgta ataataacaa taaagagaaa ttagaagtgg gagtcagggt agaaaaaat	60
gcaaaggcct tggctccctag gagaccaaca ctccagctga gctggcctta gcccagccc	120
cttctaattt ctctttattg ttattattat tattttctct gctattgtaa tatttttttg	180
ttaattaaat gtttttggtca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nccngncccn	240
taaaaaa	247

<210> 1518
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1518	
gtgttgctca gtgagcagac ccgactccag aaggacatca gtgaatgggc aaataggttt	60
gaagactgtc agaaagaaga ggagacaaaa caacaacaac ttcaagtgtc tcagaatgag	120
attgaagaaa acaagctcaa actagtccaa caagaaatga tgtttcagag actccagaaa	180
gagagagaaa gtgaagaaag caaattagaa accagtaaag tgacactgaa ggagcaacag	240
caccagctgg aaaaggaatt aacagaccag aaaagcaaac tggaccaagt gctctcaaa	300

<210> 1519
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1519	
tcattttctga tgctccatga tagagttgca aagcatgctt taaaaaatgc accttattct	60
gcattatttg caagtttact tgtggtgtga atgttttttc tactatttct actattagat	120
gtgaagaaaa gtataacttg cttaaaatgt gtcacaccat gacaattagt cttctaata	180
ttgcctcatt tatataaaat ataatacatg tttgtcagca tgtaaaggtc ctgggggcct	240
tgtacctaga gttaaagcag gcacaaagca gccatgacat tgtgacaaga tataccatgc	300

<210> 1520
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (300)
 <223> n = A,T,C or G

<400> 1520
 gggacgtcca agatcaagag gccagcagat tcggactccg ctgagggctg tttcccgatc 60
 catagatggt gccttctcgc tgtatcctca atggtagaag cacaacaag caagctcctt 120
 cctgcctctt ttataaggac tccaacctg ttcattgagg ctctgcccc atgacccaat 180
 cagctccaaa ggccccacct cctaatactg tcaccttggg ggtgagaatt ccaatgtgaa 240
 tttgcagggg gagngngngn aaangnnaat ttcggggcca taccaccctt caccacaccc 300

<210> 1521
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1521
 tgaaggacct gcctgcggct gctttacagt ttgtttgttt ttttttaaaa taagtagaag 60
 atatacacta aagtaatgat aaatgtatag tatagtaa atacaaaacca ttaacagttg 120
 tttattttca agtatatgta ctgtacatta attgtgtgtg ctgtactttt atacaactgg 180
 cagcatggta ggtttgttca caccatcttc tccacaaacc tgagaatcgt gttgttgac 240
 tgcaagtcatt taagtttaga attgttcagc ttcattataa tttgtgggaa cataagatgt 300

<210> 1522
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1522
 cccagccag ccttcagggt ccccttgat tgtgtagat cagtctagcg gggggccgga 60
 gaagggctca ggtgggagg gcctcagcag gctcccagct caggggctgg cctgggggga 120
 accctgggag ccaggggctg actccagcaa cactggcctg tctgcctgtt ctgggagggc 180
 tgtgaggatg tcttcagat gctctggatt tctgcggagg cacctccatt cctttctggc 240
 ttttttgcg ggggagggtg ttgggcctct ttctttgagg gaacaccgct aaagaaagcc 300

<210> 1523
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1523
 gaagaagctg cagaagaaat gaagaaagt atgatgattt agattttgat attgatttat 60
 aagacacagg aggagaccat caaatgaatt aatatcactg tattaagagt ctgccgggca 120
 cagtggctca cgctgtaat cccaacactt tgggaggcca aggaggggtg atcacctgag 180
 gtcaggagt cgagaccagc ctggccaaca tggcggaacc ccattctccac taaaagtaca 240
 aaaaattagc tgggcgtggt ggctcatgcc tgtaatccca gctactcagg aggctgaggc 300

<210> 1524
 <211> 274
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(274)

<223> n = A,T,C or G

<400> 1524

ccttggtgta gttaccacaa cacatgcctc attaagaaac agcaaccatc agaggggaatg	60
cctgcctccc tgttaccagc tctgcagatg tgcacatata ttctgtcgt aagccaatgg	120
gacttaaac ttacctcttg tgttttggag actatctttt tttttttttt tttngaaaaa	180
gggncccnng gggtnngctaa ggcngnaggn caggggggggn ancngggntn anngaaccnt	240
tnnccnangg ggtnaangaa nctntcnngc ntaa	274

<210> 1525

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1525

gaaaaaggaa agatggatat ggaagaaatt attcagagaa ttgaaaacgt tgccttagat	60
gcaaactgca gtagagatgt aaaacagatg ctcttgaagc ttgtagaact ccggtcaagt	120
aactggggca gagtccatgc aacttcaaca tatagagaag caacaccaga aaatgatcct	180
aactacttta tgaatgaacc aacattttat acatctgatg gtgttccttt cactgcagct	240
gatccagatt accaagagaa ataccaagaa ttacttgaaa gagaggactt ttttccagat	300

<210> 1526

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1526

gtacttcat aaaaataatt tttttgaatc atatttgga atctagattt tagatgataa	60
tttttgcta tggctacttt agcttgcatg gtgtaaatgg ctgctagggc ctgcgaaata	120
gattttattt ttggaggggg atttgttttt caatacagga tgatgaaaga gatgaaaact	180
tttctaatat agtacaataa ttggctgtgg tcatttttaa gggatcagtt gcatagcata	240
tagtagatgc tcaataaata cttagtgtat caatatggct tctgttaaac attg	294

<210> 1527

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1527

ttttaagta aggatttgct tctggagttt aaatagaact acagtcaact tacatgaaga	60
attagaaaaa gtaagccctt catattttgt aaaacacatt tgcaggcatc atctcatttg	120
atcccaatgg aagccctgtg aagcaggcaa gatttggaca agtttcttca ttttatagat	180
gaggagatta agacttaggg tggcatctgt aggtgacatc cccactccta gcacaatcag	240
tcttttcctg gcagctgggc agacactgaa ccaactcaga gagtgaggcc gctgctcaag	300

<210> 1528

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1528

aagtgaatttc	ctctgctttt	gtccaggcgc	gccaaagaac	gtggcgctta	gtcacttcag	60
attcccttct	gtctgtgata	ccctctgaga	aataaagcca	taaatatgct	gagttctgtt	120
gacattcaca	ccggaatatag	cacagagctc	caagtattgt	ggtctccttt	ccgattttat	180
tgctaaacag	caagaaaaac	agcagagggg	ctttcctggc	gagtcagaga	aatgcaacgt	240
ggttttttgt	gtgttttttt	ttctccgcaa	gacagaggaa	actatctctt	cacaccattg	300

<210> 1529

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1529

gctgggagta	taggctgagt	taggaagatt	gcttgagccc	ggaaggcaga	agttgcagtg	60
agccaagatc	gcgccactgc	actcccaact	ggacgacaaa	gcgagatact	gggagtatag	120
gcattcgcca	ccctgggcaa	catagcaaga	ccctgtgtct	acaaaaaatt	taaaaaaat	180
tagcctgtag	ccctagctat	gcaggagggtg	gaggtgggag	aattgcttga	acccaggagt	240
ttgaggttac	agcgagctgt	gatagcacca	ctgcactcca	gcctgggcca	cagagcaaga	300

<210> 1530

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1530

taaaaaacca	ccttttgttc	gaaactccct	ggagcgacgc	agcgtccgga	tgaagcggcc	60
gtccccaccc	ccacatcctt	cctcggtcaa	gtcgctgctc	tccgagcgtc	tgatccgtac	120
ctcgctggac	ctggagttag	acctgcaggc	gacaagaacc	tggcacagcc	aattgaccca	180
ggagatctcg	gtgctgaatg	agctcaagga	gcagctggaa	caagccaaga	gccacgggga	240
gaaggagctg	ccacagtggg	tgcgtgagga	ctagcgtttc	gcctgctgct	gaggatgctg	300

<210> 1531

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1531

ccaacatggt	gaaaccccat	ctctactaaa	tataccagaa	attagttggg	cgtgggtggca	60
ggcacctgta	atcctagcta	ctcgggaggc	tgagacagga	gaatcgcttg	aaccggggag	120
ggggaggttg	cacttagccg	ggatcggtcc	gttgactccc	agcctgggtg	acaagagtga	180
aactccatct	caaaaaaaga	tgagatgaac	tcctaggttc	aatgatcat	cctgcttcag	240
cctcctgagt	aactgagata	caggcacggg	ccaccgtgcc	cagcttgat	actgcacttt	300

<210> 1532

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1532

atccaactgt	ggcttctccc	aggaccatta	cacttgatc	taaataccta	cttgacatct	60
tcttttggat	actgaataaa	gatcttgaa	aaacaaataa	aaacagtagg	ttgttgatgc	120
atgttacttt	gcccaataga	tatatcttat	cagaatgtga	tttgtatata	taatattgtt	180
acataattaaa	ttttgattca	attaaaattc	tccacagggg	agattctgtg	gtaagttctt	240
tcgtaaatga	agtaattatt	ctagtgat	aagttcatgt	tacttgact	ttatgcttta	300

<210> 1533

<211> 298

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 1533
gtcagatggt agaaaatgaa ataattaaat agataccatt tgagttctgg gagccagggt 60
aagaagtgtt tgtttgtttt tgagacggag tctcactctg ttaccaggt tggagtgcag 120
tggcctgatc ttggcgact gcaacctccg ccttctgggc tcaagtgatt ctctgctcc 180
agccttctga gtagctgggg ctacagacgt gtaccaccac acctggctac tttttgtatt 240
tttagcagag aggggatttc tccatgttgg tcangctggn tttgaactcc tgacctca 298

<210> 1534
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1534
gcaggacgtc ttcttcgaca tggaggccta cctgcccaag aagaacgggc tctacttgaa 60
cctggctctc ggcaatgtga acgtgacct cctcagcaac caggccaagt tcgcctacaa 120
ggacgaatat gagaagttca agctctacct gaccatcatc ctgctcctgg gtgcctgggc 180
atgtcgattt gtccttcact acaggtagtg ggtgtggcgg tgtgtgcctg ggctgggca 240
tgcagacgtc aggtgggggc cgggagagag ggatccaggg gacccggagc ctctcctgct 300

<210> 1535
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1535
gcaagagatt tcacagacct gattgttatt aatgaagatc gtaaaacccc aaatggactt 60
atthtgagtc acttgccaaa tggcccaact gctcatctta aaatgagcag tgttcgtctt 120
cgtaaagaaa ttaagagaag aggcaaggac cccacagaac acatacctga aataattctg 180
aataatttta caacacggct gggtcattca attggacgta tgthtgcatc tctctttcct 240
cataatcctc aatttatcgg aaggcaggtt gccacattcc acaatcaacg ggattacata 300

<210> 1536
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 1536
cagcgatagc ccaaaggctc tgcagtattc cctccaatgg ccaaggattc cgtgtgtcat 60
ctgcaggagt gtagggcct gctgtatttc ttgtaactgc tgggtgttac aaaataagtt 120
acaatgtttt acacttttaa aaaaaaaaaac agaaggaaaca tttgctttat tggttactta 180
ctagtttagc ctctaggtta tggcacagca tgctaaaaaa tcatgtgttt aaaagtaaat 240
gttggtaaaa tgctggcctc tggctctatt gngttgatgc attttcactt ctg 293

<210> 1537
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1537
 gaagactatg tagaaatgaa ggaacagatg tatcaggaca aactggcttc tctcaagagg 60
 cagttgcaac aactgcaaga aggtacatta caggaatatc agaagagaat gaaaaaacta 120
 gatcagcagt acaaaagagag gatacggat gcagaactct tcctccagct ggaaactgaa 180
 caagtgggaa gaaattacat taaagaaaag aaggcagcag tgaaagaatt tgaagacaag 240
 aaggttgagc tgaaagagaa cctgattgct gagctagaag aaaaaaaaaa aaaaaaaaaa 300

<210> 1538
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 1538
 gatatgcttt agaattaagg tgagtggat tatctctagt ttgagacaaa gagaagcgaa 60
 gtaacaaaag gccacataag tgataaatag tggacctgga gtttaaacct gggatcccca 120
 cctaaatcag aaatacaaaa tcaaccactt ttttgatgat ccagggtcta tgtatattta 180
 ttacatgtat gtatatatgt atatatatac ggcattgtga tatatgtaca tncatacnaa 240
 tagatgtgct tgtactagcg tttttccac caggatagtt agcctttctt ccccccttgc 300

<210> 1539
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1539
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 ctgcaggaat gccaaagcacc tggccagagc agcccagccc caatatgctt aggaggagac 120
 agagttccct ctgtatagcc tctgggacaa gaaaaagaaa acacaagaat gtataactg 180
 gaagatttgg gcctcctgcc tgccttctct ttgtttctgt tcctcttccc atctactccc 240
 ctacgcccct tcaacctttt ttctctgtct gttcacctg agaagaaagt gtacgaagag 300

<210> 1540
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1540
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 tatagtattt tacagccact tcatttatatg ctatttccgt gtactggcaa aaaagagaat 120
 aaaacttcct aggatataag tacctactgc tgttttgggt catgtccagt taggcttttc 180
 tctttttatt tgtttgtgta cctgtaactc catataagca tatataatca tgttacatat 240
 gtttaaaagg cgtcattttg caatgcagtt ttatcactag ttttttctct gtcaagggat 300

<210> 1541
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1541

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gctgtaacat	ttgcattcgt	taacaccctt	tcattaat	attaaatcat	tctccagtgt	120
aacttctgta	gaattcccag	tttttgcttt	tatgaaattc	tgtagttgat	gaacctcaga	180
ttttacaagt	aattgaactt	aactacagga	gaaggaggag	aagaagggtg	agggaaagga	240
caagaaaaaa	aagcaagata	taactttttt	tggttcccct	cttttaatat	tttttctaaa	300

<210> 1542

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1542

ctcatttggt	tcattcacat	tcctcacgtg	caacaacata	attatat	aagaaaatgt	60
aactttgtta	catcaaaata	tggtgtctag	taaaaagttg	atattcagta	gaacaaggat	120
catgtaaata	aacatctatt	tcacatgtac	ccaaaagcat	ttaaaaagca	gaatccaggg	180
cccagagcat	gagccagga	ggaggagtgt	tttcttcttt	tctctatttt	tccttaaatt	240
gtgcaaacat	aggtgagttc	cttaaccttt	ctgtgcgtca	gtttttctac	ctctaaaggg	300

<210> 1543

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1543

gttaggttgg	acacagaagg	ggcaatcaaa	tttctgtatt	cagatacctc	ttaaagggtac	60
actgtgccac	cttgctgcct	ttgattgcaa	atacaaagtt	aattttcaaa	aaggaaaaac	120
aaaacagctc	tttttcctaa	aacacatggt	gtacttcaga	cctaaaattc	taagtccttat	180
ttgtttctca	cccatgagtt	agatttaggt	aatagtatta	gtagagtcct	tagagaatct	240
taagaggtca	tttactccac	ctctttcatt	ttaaattggg	gtatccaaag	cctgaagagg	300

<210> 1544

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1544

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gagactcaga	aaagatgttt	gttcagggtt	acaaagctca	gacaggacag	ggcagcattg	120
gaaacaaaaa	ttggtctgac	tcctaggctc	atgctgtaaa	tcacgggtgca	aggcttctac	180
tatctatgtt	tttcctaaaa	gaatgtataa	atgaaaagat	ggttaacata	ttaagcaaaa	240
tatgttaaac	gtcaaatgaa	ctgtataaac	gataaatgct	ggagagttga	ggtggcaaa	300

<210> 1545

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1545

atcgattaac	acttctaattg	agtcaagtcc	taggggtttt	tggttttggt	ttgttgccaa	60
cgaggaacac	agctctgggg	gaatggtgtc	atccacctcg	ctttaaaaat	aagcacatga	120
tggctgggca	ccgtgggtca	cgctgtaat	cccagcactt	tgggaggctg	aggcgggtgg	180
atcacctgag	gtcgggagtt	tgagaccagc	ctggccaaca	tggtgaaacc	ccatcgctac	240
taaaa						245

<210> 1546
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 1546
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 catagctcca ctctgacctg tgaaggaatg gggatgaggc caggagctag tgtctaccac 120
 ggccacacag ggagcagtgt gggcccttag cccccaaggg gcctgctatg catgtggctt 180
 tttttttttt 189

<210> 1547
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1547
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 tcttatTTTT taaattgtga gtaattttca tgcttggtag ttgatttctt ttccatctct 120
 gtatgcatac ttcttgcaac tagtaggcac ttgatttttt tttctttgaa tacacagcag 180
 atgccatgta aactcattag tacttgcttc agaacactga attcttacct gtgttaaagt 240
 catgaatata ttaaaaactt ttagttttta cttagaagta tataaagtgt aaactaatca 300

<210> 1548
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1548
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 aaagtcatta tggatctcaa acttttactt taattgaaac cataaaaaaca tatattcact 120
 caccaatggt ttatgcaggg ttaatgcctt ctctttaaaa ttggacttct gattggattt 180
 ctacctcatt tttcttatgt aaacacttat agttcacttt tgatatttat gggttttgat 240
 ttttgaaaca aaggggaaaat gttaaaacat atactgttca gtaatgccac ctaatccatg 300

<210> 1549
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1549
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 tatttaatat tttcaataat atctaataat gtgtgggaaa ccgtagaatt tttcatacaa 120
 actgggacaa atgaacatgc atactattaa aatacttcct acaataggca taaaatgggc 180
 tttcttaggt gaaccaggag gtatagttag cctaatacata tgctatgatt attagtaagt 240
 gttttctgtg ttttatcatt catatttgta aatctttttt gaatgactac ttggaaatga 300

<210> 1550
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1550
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 ccatgtttta ttctttatga agatccccga gtattgagtg tgccagttac cagattctct 180

cccagctcta aattacctct tcattacttg atctgcaata ttggagccta accctttagg 240
ccaggggtgt ccaatgtctt ggcttccttg ggccacattg aaagaattgt cttgggccaa 300

<210> 1551

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1551

gcaggtcccc tcccacatct aatccaccac taaggcctgc ttcttaatag ctcttgttcg 60
gctttggttg agacaggggtt ttgctctgcc gcctaggctg gaggcgagtg gcgtgatcac 120
tgcagcctcc aactcctggg atcaagcagt cctcctgcct tggccttcca aagtgtctggg 180
attacaggcg tgagccactg tgcctagcct gaatagctct taaatctatc cacttttctt 240
cctctgcaca cctgacaccc tagtcttgct gccctcttct ccacctggac aacctcgccc 300

<210> 1552

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1552

gcgtcgctaa ggtataaaac ttgaaccatg attttacatt tccagttctc aaggacaggc 60
tttgaattta atttgttgtt aagagtaatt agcaattcta gggaaaaaaa agctattttt 120
attttctcta cctcctaaca caaaaggtaa cattcatctt cttaggaagg aaactcttga 180
taactctgtg tctttctagg tcagccacag actacactaa gtcaccaact ccaaagggga 240
aatttggtct tttggtgagt acttggtgta gagaacagta gaatgcataa tctgggtcagc 300

<210> 1553

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1553

cttagaggcc ttaggcaggt ctactgggtc tcccaagctg agacctgtta ttcccacttt 60
gcagacagaa taggtcctaa gaggtcatcc aagaccacac agactgcaca gaacagctga 120
ggtgggaacc ggggacttcc ttctcatatt ttttgaatga attaataaat gagggtattgt 180
gagaatgggg ctggcctgtc ttatgcagcc tctccgagag tggcccaaga actctgaaat 240
ggtcctggaa gtagagagag aaaatggaaa ttgacagttt aggactcaac agccacaaag 300

<210> 1554

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1554

gatacatcca aatattattc atgttatagt aaatcagatg aagccttgag cttctcagca 60
gccacgtaag gcttaaatat gagggaaacag gggctcttag aagtgaagtg acttctgaaa 120
gatgcacaga gaattaggaa agagtctgaa ttcaaccctg gaaccctgac tttcagggtga 180
gtgcctggcc cactaaagaa tgacaaagcc atggggagtg gcatggaaag catgagcttt 240
ggagttagac aggctgggt gtgaatcctg gtcacccag ttctgttaaa gacctcagaa 300

<210> 1555

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1555

gctttatctc	taaattagaa	tcacaaatgc	gtaatctttt	cagggtaaaa	atgtgtcatc	60
tttaaagtct	gtttcagata	tattttaaat	tactatttta	aatgaattca	tatggaaaag	120
tcgtgggagc	ttaaggcctt	gtttaaaagg	gaaaaaaca	ctgagtcttt	ttagattaat	180
caaaaactat	cctcttcctt	tggagaggag	agagtgtttg	tcacacgcgg	aatgaagtgc	240
catgttcctt	gaggcacgat	ttgtatgcca	tttgaggagg	ggagtccgtt	caagagaatg	300

<210> 1556

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1556

caagattggg	ctatggaatt	ggaaggcctg	ttttggagta	ctctaaatta	aaaaaaagtt	60
atatttgtaa	aataaccacc	acaagattgc	ctgattcaca	gttcttctga	gtattggcgt	120
aggtaattat	ttaagatggt	tgataaattg	taaaatgctt	tttacatttt	ttaaggaatc	180
aattgaacta	ctggaaacca	gtatgtagta	ttcttggcag	gtctagggtt	cataatccta	240
atttctttgc	agccactat	tcagaaatgt	agtgattaac	agagtcaaga	atgtttcagg	300

<210> 1557

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1557

gtgattccta	tttcaatatg	tgaaacactt	aaccaaaagaa	tatatcttga	tgaatcttaa	60
acttgcctta	aaaacagaag	aggttaaaaa	gaatttagaa	aaaataaagt	tttagagtgt	120
ttgagaatgt	gtatataaaa	tattttcaaa	gccataatat	ggatgctctt	atggctcaga	180
agcatgccta	ctagaacacg	tctcggaatg	agagatgttt	aattctgtca	cctcccagaa	240
agttttgcag	ggtttctcac	ttgaatttgc	ttccctttgc	aacctcttgt	cctgaaggcc	300

<210> 1558

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1558

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gccacgcca	gcagtgggta	gggaccaca	gattttggaa	acgacctgga	cacactattg	120
ggaaggagat	gtggacggcc	tgtctcctcc	tcgagggccc	accctaagaa	tgtattttta	180
aacacatgaa	ataagtattt	ttcactgata	aaaaaaaaan	aaaaaanaan	ttnnnccntt	240
taaantntn	gtgggntttt	tnacnnannt	ncaaactngn	aagaanttcn	tngtggattt	300

<210> 1559

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1559

agtaaattca	gtgtttctgt	tgccgaagag	tgtttattgg	ttctttcact	ttcatttcat	60
agggcccttt	cttctactgg	cattctcact	ttgaattact	aagaagtttc	ttctaataatc	120

cctctatctc	ctttttcttt	ctagtttttag	ataaagctgt	caaaagaaca	gttatcatag	180
aaatagaaac	atttaaatta	ccggcacgat	agcttatttc	ttgctgcaac	cattcagaat	240
atctatttgt	cactgccttg	ggtgctttga	agtgaactg	tgcttagata	taaaaagttt	300

<210> 1560

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1560

ggaacgttga	ggaggacttc	aaaccagctc	cggagtgtgt	gataccagca	aaggagacag	60
aacaaataaa	tgggaaccca	gtgcctgatg	aaaatggaca	cattcctggt	tgggtaccag	120
tagagaaaaa	caacaaacag	tattgctggc	attcctctgt	agttaattat	gaatttgaaa	180
ttgccctggt	actaaaacat	catcctgatg	attctggact	tttggaatt	agtgcagtgc	240
cactttcaga	tctcttagaa	caaacactgg	aactcatagg	aacaaatatc	aatggaaacc	300

<210> 1561

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1561

gctgctgtg	gcatagccac	tgctgtacgt	ttttggttgt	ttttaagaaa	ctcgatgaag	60
aggggtgtca	ttctgggctc	gggggtggtg	ccaatttttc	accagaaagg	gagccacccc	120
ttgcaaccac	ttctgtctcc	gttagccccc	cctctgccct	cctccaagcc	aaagcgtggc	180
ctggcttttg	tcttcccat	tagttttcct	ctttaccct	tccttttggtg	cttaatttat	240
taaaatagtt	gctgtataat	ttattttcat	aaactataaa	aaaatactaa	atggttaaaa	300

<210> 1562

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1562

atctgaaccc	atgaagttga	gtaaaaaaag	caatttgcag	aaggatacat	acaaaatgac	60
accatttata	tagtagactg	aaagcatgca	gaacaatcca	ttgttgttta	cgtgtgtaac	120
agtcatagga	atgacaacca	ctgccttcag	aattatggcg	acctctgcga	tgggaagagaa	180
tgggatcaga	gaaggatata	caataggcct	taactgattt	tgtgattatt	gatattagaa	240
atgttttaaa	ttaagatatt	aacatttcat	gaagctgagt	ggtgagcaca	ccagtgttat	300

<210> 1563

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1563

tacatatttg	tcataattac	aataaaatac	aaagagctat	tttggaactg	ggcaagctgt	60
ttctaaatgt	atatggaaaa	ataaaaaatgt	ctccaaaaaa	tccttgacaga	gggaaactag	120
cccttcacaga	tataaaatat	attatagaac	tgtgtaatta	aagcaatatg	gtactgggtcc	180
ataaaagaac	ataaaaccaa	atagttcagt	agactcaaaa	tgcaagcggt	ggtgagggta	240
tggagaaaag	ggaacccttt	tacacttggt	gtgaatgtaa	attagtacag	acattgtgga	300

<210> 1564

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1564

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cgaattatc	tcagaaaaa	tactcttgga	aaaagtcac	caatgttcgt	ataattctga	120
tattttaaaa	aatcttttag	attaaaacaa	agggtcacaa	cctccataga	gtcaatgcta	180
aatgggtgaa	aatgtgacat	aaaaatgccc	tgtgttcacc	agattgtcat	atactttatg	240
taactcacct	cagttattat	tatgcctact	acacagatga	aaagactgaa	tctcaggaaa	300

<210> 1565

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1565

atttaaata	gtctcttta	agagtagctc	tgagattttt	ttctggtaaa	tcactattta	60
acctctctga	tttgtttagt	ttttctcatc	tataaaattg	aaatgataaa	atgaagggtta	120
aattagaaaa	tgtagaaaat	gcctagaaca	gagtccttgca	tatgggttgg	actaaagtgt	180
tttgttcccc	atggatagta	tcttctctta	aagatccttt	gaaagggctt	taaagtgaac	240
cttgtaggat	ggtaatTTTT	gttcatttta	atTTTTtttag	taagttttga	ttgagatctt	300

<210> 1566

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1566

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aatacctatc	cttttcaaga	atacataaaa	taatgaccat	atatatacca	cagagtaagc	120
tgcaaccaat	tctagataac	ttaaatacag	accatgtttg	gaaattttaag	aaaaaaaaac	180
acatttataa	cttgtggatc	aaaaaagtca	tagaacttag	acaatacttg	gaactgaatg	240
taaatacaaa	tgctattaaa	atttgtagta	tcagtttaaa	caggacttgt	atacgcattt	300

<210> 1567

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1567

gtttaatctc	tttaactatc	aaattgcaat	tttttttttg	ccttgcaaat	aaacaaatta	60
caattgtcat	ttactggtga	gacaatgaga	aaaagacacc	ctcaaacact	gttggtagaa	120
cacaaattgt	taaaatcttt	ctaggagtca	ttttcaaatt	atgtatcaat	gacctaaaaa	180
tatttatgtc	tcctgttctt	atacttccag	aaatctatct	tacagtaata	accggagata	240
aaaaccttta	catataaaca	tgatttatta	tactgaaaag	tcaaaacaac	ataaatatta	300

<210> 1568

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1568

gtgtaggccc	ccatcgctccc	tcattactcg	ggtttcatat	tttgctgttt	ttgatggaca	60
tggaggaatt	cgagcctcaa	aatttgctgc	acagaatttg	catcaaaact	taatcagaaa	120
atttcctaaa	ggagatgtaa	tcagtgtaga	gaaaaccgtg	aagagatgcc	ttttggacac	180
tttcaagcat	actgatgaag	agttccttaa	acaagcttcc	agccagaagc	ctgcctggaa	240
agatgggtcc	actgccacgt	gtgttctggc	tgtagacaac	attctttata	ttgccaacct	300

<210> 1569

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1569
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 gataagtgtct ctgatgaagt aaaatagagc actgtggaaa cacagaggag ggggtggaaa 120
 aagtcaggga agtctgttca gaggaagtca catgtgaagt tagtgaagtg gggaagcaaa 180
 tgggtgcggt gggaaagaga gtagttcctg aaaagggaac agcatgtaca aaggcctaga 240
 agcaaaacat tgtatgcaca tagtaactgt ttaattggat atgaatttta aaaatcacat 300

<210> 1570
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1570
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 tagcccatgt tgtggccctg gcccaaaggc caggcgtgctg gcagggtgctg ctgaactgcc 120
 agcggtttgt cattgacgag atctcaatgg tggaggcaga cctgtttgcc agtggccagg 180
 cctatgtggc cctttctcgg gccgcagcc tgcagggcct acgtgtgctg gactttgacc 240
 ccatggcggt tcgctgtgac ccccggtgtgc tgcacttcta tgccaccctg cggcggggca 300

<210> 1571
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1571
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 ctggacaata ctcaattcac aacttagcat tttgccatct gaagcttgcc aaactagtat 120
 ctgctgtaaa acaacctata tggatgtga accgtagtat tcctgagcaa aacgtggctt 180
 tcatcgcttt gtaaaaattt gcatctgttt agaaactagc ctataaaata tcaccattgg 240
 atgtagatat ggagagaaaa gaaatatgtt gggtttattg cttagcgaaa tattctcttt 300

<210> 1572
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1572
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 aggtttataa agttatttgc tatgtgttgt tcttacatca ttgattcatg taagtagact 120
 tgtgtgacag ctaattctta aaaaattatg aagatgttag acttcttttg atatatatat 180
 gttgattgta tgaacagatt gacatcaata tacttattca ttataaaaga tttgagtggg 240
 aactcaccaa atccacacc aaaaaaattt aaaattttac catagtaaaa aaaactaaaa 300

<210> 1573
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1573
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 gtctgtactg ctgaaagttt ctcttattg aagaatttat attttgattt aatttatgtc 120
 ttcagaatta tacaaagtat tgggcccacac caaatttgag tctggtatag tagccttctt 180

gtaaaaaatt atatcatata acatttttat gactgtgaag acctcttaat tcttcaggaa 240
 ggagggccct ttttcaaatac agacatctcg gggtttttac tgaccttatt tcattctctg 300

<210> 1574

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1574

gtggtcagca gtaagatgga agaaagaaag tcaaagctgg aagaggccct caacttggca 60
 acagaattcc agaattccct acaagaattt atcaactggc tcaactctagc agagcagagt 120
 ttaaaccatcg cttctccacc aagcctgatt ctaaatactg tcctttccca gatagaagag 180
 cacaaggttt ttgctaataga agtaaagtct catcgagacc agatcattga gctggatcaa 240
 actgggaatc aattaaagt ccttagccaa aagcaggatg ttgttctgat caagaatttg 300

<210> 1575

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1575

atgacatagt ggatctgaga gcacttacag cattttctgca ccatgttcag tacttgaatc 60
 tgaatctaaa gagagggcctt tattggatca ctattctggg ataattattga aataacaact 120
 aataacaata acaacaattt ttgttttgtg aaaaaataat acaaccaaact gaaaatagat 180
 taatcaaaac agtgaaaacc ctgtccctt ttctgagctt atgaaaagag aacctaat 240
 gtaggcattc tttttatagc taatgtgcta attgcctcag agataacacc tgtgtaattt 300

<210> 1576

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1576

atcattctgg atttaagttg ctttgtctct tgattgctca tgaacattcc tatgtgagta 60
 aatattcttc ccaatgtgat tttttctctg ttgttaaaga caggctctgg ttttatcgcc 120
 caggctggag tgcagtgaca taatcatagt ataagcatag ctactgcag ccttgaactc 180
 cagggtcag acaatccacc ttcctcagcc tcccagggtc ctgggattac aggtgtgagc 240
 cactgcactc tgcccccaac atgatttttt tttttt 276

<210> 1577

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1577

ctctgttcag aagcccctga ttttgcctca gcagcactct caccctttct agtgagtaag 60
 tacactggat tttaaatccc tagcacctag cactgtgcct gggcagccca gcataggcac 120
 tcaataaata tgtgaatgaa tgaatgtgtc tgtctgtcag tcagtcagtc agtggttatg 180
 ggatctgagt gtattcacta gtagattcta tgttcttact tggtttcaag aacctgtgaa 240
 tgaataagga tcaccactgt aaactaaaaa caaaatttta agccatcagc tgactgaaga 300

<210> 1578

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1578

aaacaatata actcaaatgc ctttctacag gactacaaag ctgtctgtat caggttatgg	60
agttaaatca taatttctgg atcatgatct taaaccttta attggttcca tttctacttt	120
actctttact aacaagtatc ctgatggcct gaaaatccat gttgaaattt gaagtttgaa	180
ttttccagat caaatatgaa atttattttc attttttaaa gtacaaaata tcagttgtat	240
aatcatggta aaacataaaa ttttgcata aaagattttt aaaggctatt tgattaaaac	300

<210> 1579

<211> 78

<212> DNA

<213> Homo sapiens

<400> 1579

ctcagaacca ctctgtcggt ttttaagcagg gtcacacact ctagctcact ggggccattt	60
taatttctat taaacatt	78

<210> 1580

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1580

gccaggctgg tcttgaactc ctgacctcag gtgattttacc cgccttggcc tcccaactg	60
cagagatcac aggcattgagc caccattcgt ggccagttgt tagtttttga gatagtgtct	120
ccagtttaca gatagggaga ttgaggctta gaggaggcac atagtggcag aactaggatt	180
tgaatccaag tctgttttcc ctccaggacc caagccctta accactgtgc attttttaaaa	240
tagccagagg aggcattcatg accaccacct ggggatgtga gcaaagccag agtccagaca	300

<210> 1581

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (299)

<223> n = A,T,C or G

<400> 1581

gaccaacctg gctaactatg tgaaacccca tctctactaa aaatacaaaa attagctggg	60
cgatgatggca tgtgcctata atcccagcta cttggggaggc tgaggcagga gaatctcttg	120
aaccggggag gtggagggtg cagtggagcca agatcacacc actgcactcc agcttaggca	180
atagagcaag actctatcac aaaaaaaaaa ngagagagag agananataa agaggtnnt	240
tgggacantt annatnttt cctacatttt ctcttttttt caaagccan aatccttgc	299

<210> 1582

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1582

tttaaaaagc attttattat gtattatgaa atattttcaaa cataaaaaga tgtaaagact	60
atctaccaat gactcccc ttaataaaac aaattaacct gaaggctgtt ttgtgccct	120
ccttgattgt gatttcacct cccaaccctt cgctccttgg gcaactgtta tctttgttat	180
ttgtcattgc cttaacatta gattttttta ttactgcttt tgtaattcta atgatataa	240
atggaaaaaa ttttttgaat gcaactcctc ttttaatttg ctccaatttt atctgtattt	300

<210> 1583
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1583
 gagcgacaga agcttctgga aaccatgcag cacttgcagg aggaccggga cagcctgcat 60
 gccaccgagg agctgctgca ggtgcgggtg cagagcctca cacacatcct cgccctgcag 120
 gaggaggagc tgaccaggaa ggttcaacct tcagattccc tggagcctga gtttaccagg 180
 aagtgccagt ccctgctgaa ccgctggcgg gagaagggtg ttgccctcat ggtgcagcta 240
 aaggcccagg agctggaaca cagtgactct gttaagcagc tgaagggaca ggtggcctca 300

<210> 1584
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1584
 ggaagagctc gtcttggagt ccaagctttt gccacttcaa ttgcaccagc tccaggaacc 60
 atacaacat cttcaatggc atttttgata gcacgaagtc catctcttat ggcacacctg 120
 acttgtgtga gagtatgctt atttggctct ttaaccaaca aggtaacaga gcaagggtta 180
 acacactcct caataaaaagt gaacttttct tcacctaata tatactcata cacaagacca 240
 gcatgtccca agcaatctac agtgagatct tcaaaagaat tcacggccat tccaccacaa 300

<210> 1585
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (275)
 <223> n = A,T,C or G

<400> 1585
 ggtaaagctt cattcagtat ccattcaccc aatactgggt tgattctagg gcctaggaaa 60
 ataggactga gcaaagccct tgtccagatg gaacttatgt tttagagggg aaaacaaacc 120
 ataaaaaggt aaacagtata aaatcaggaa aggataaatg tatatgaaga atcaaaatga 180
 ggacggtgat ggggataaga ggggaaggnt tttnatnact ncnnngntng aagngnaant 240
 ttacnctntg tcgnntntt ntgnctacc atggt 275

<210> 1586
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1586
 atgggagcca tgggcagtgg tcctggctgg tgaaatgatt ctagccacgt ggcccaccca 60
 gggggcaaaa caatagaaac cttcagaaat gaaacgtcac ctggctgcaa gaagatagtc 120
 ccacaggcgc cctagagatg gggatgccaa gtggcttctc gggaagctgt aagaatccac 180
 agggcattgt aagatggagg gaaatattaa gttttcttcg taaagagggt aggggggcga 240
 gagcagcaaa ggacactgga aaatgagaag catggatggg aagtgttgca ttgagcataa 300

<210> 1587
 <211> 300
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1587

gaccaacctg	gctaacatgg	tgaaacccca	tctctactaa	aaatacaaaa	attagctggg	60
cgtgatggca	tgtgcctata	atcccagcta	cttgggaggc	tgaggcagga	gaatctcttg	120
aaccceggag	gtggaggttg	cagtgaagcca	agatcacacc	actgcactcc	agcttaggca	180
atagagcaag	actctatcac	aaaaaaaaaa	anagaganag	agagagataa	anaggatat	240
nggnacaatt	agtcnttttt	cntacatttt	ctnttttttt	caaagcccaa	aatccttgca	300

<210> 1588

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1588

aatcaatatt	tttcaataga	agtattagag	gtttttttta	ttgatataaa	aataacaatt	60
acagatcctg	atatatagaa	gttattcaaa	attatacagt	tttcaaaaaa	tcaagacaag	120
taggccaat	acaaactact	gaatcatctt	ctaatttccc	tctaaaatat	ttatagaaat	180
atgtaagtag	aaaaacattc	atcctttcct	cgtctaatta	tgatcctgcc	atattccagg	240
cacaagagaa	agctctgggg	cttgagtctt	aatagggctg	atagtccaac	caggggacag	300

<210> 1589

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1589

ctggagcatt	ctaaatgtat	cactaaatat	agaggagttc	taattctgac	aggaattctg	60
tgagggcact	ggtagtatcc	tcatttaaca	gatgaagtaa	tttgagatct	ctgctggaag	120
gtgatggagc	tgtgatttga	accctggtgc	ctgattccaa	agccatggct	aagaatasat	180
aattcagtc	actaaaatac	ctaactttgg	caagccttgg	aaacagagtg	cagaagatta	240
atacagattg	cccaggccag	tacaagcagc	tatacagaga	aaataagtag	gtgctaggat	300

<210> 1590

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1590

gccctctgct	tcctggctga	cottggtgtg	gccctctgat	ggcactatgt	gtcctcttct	60
ctgagctttc	tgaggatgac	aagccgtctt	ttcaatggga	ctcccttcca	gacctgttgg	120
tctcaccata	ctggaatcat	cataaagcct	gtattgtaaa	acatcattgg	tgtctaaagt	180
ttgcacaatg	ctatggcccc	cacattaagg	gagtcctggg	gagatcactt	cattgcccct	240
acttctctga	ccagaaaaca	caagagttca	tgggagacaa	taataacaac	aacaaaaaca	300

<210> 1591

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1591

gggaattctc	tgccttttgg	ggaacagtta	cagaggacct	actaaaccct	tggctggtgc	60
caggccccga	gaccacagag	ataacctggg	accaggctc	tgcccatggg	gagctcccag	120
ccctgtgagg	aagacaggcc	atcctcacc	agcacatcct	actgtaccg	aagagagggc	180
gcagtgactc	atTTTTtggc	gttggcatta	ggtttaaaag	atggttgaac	gtccacagaa	240
ggaaaaggaa	ttcttggcag	agggccctgc	ctgagcatag	gcaggagggc	tgagcagcca	300

<210> 1592

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (300)

<223> n = A,T,C or G

<400> 1592

cttgagaatg	aagaacccgc	ccaggaagag	ccagaaccca	tcactgcctc	gggttctttg	60
aaggcgctca	gaaagtgtgt	gacagcgtcc	gtggaagtac	cagtggactc	tgctccagtg	120
atggaagaag	atactaattg	ggagagccat	gttccccaag	aaaatgaaga	agaagaggaa	180
aaagagccca	gtcaggcagc	tgccatccac	cccgacaact	gtgaagaaag	tgaagtcagc	240
gagagggagg	cccaacctcc	ctgtcccag	gcccattgng	aggagttn	gggatttcca	300

<210> 1593

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1593

gtaaattcct	gggttccagg	ctcaagcctt	ccactgtatg	ctccatgtta	ccagctatgc	60
cttttgaacg	ggagatgttg	cataaataat	tggtgagtat	gcactttaga	ttctttgcta	120
acatcacatt	tggtgaaact	ataaaataat	tcccatgaaa	attggattgc	ttaatatcat	180
aactgatatt	taataatatt	taatatgtct	ctaaaatttc	tggctaaaat	gaaaatatte	240
aaccatcagg	aaggagaaac	aaaactatta	ctgtttgtaa	acagtttatc	atcagtactt	300

<210> 1594

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1594

acctgtaatt	tcaacatttg	atgagtcaga	gaaaaaaagg	tttcctttgg	gtcttatttg	60
atcactattc	tgtaaatTTT	aagcaagcct	gtagtaaat	gatctatttg	gatataaata	120
ggttacatga	ttatcagtag	tagagacca	tgtatcctat	ttatttacia	aagaatatta	180
aatatcctat	tttaattttt	atattacagc	ctattttgat	tttttagata	aaagtctaga	240
gcttttattt	taatgaatgc	taagagatca	gaatgcactg	gcattctctg	atttaatatg	300

<210> 1595

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1595

gttaggtcca	ttttgatgtt	acaggatact	tgtaagtga	tttttgccat	tctcttttgt	60
tacccatggc	ctttgtcacc	cccttgaata	tctcttttac	tcagttctca	ctttctgttg	120
ttgacatact	tggtgacatg	tcccaccagt	ccatgaaatg	aaataccata	tcttccttgt	180

gttgatatta cttttgtgag tattttaagac atatataata aacaaatgta aaacttttggg 240
aattgattct cttctcatta aaaaacattt aaaggggaaca tttagaatat ttgtttacat 300

<210> 1596

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1596

gaaaaaacia agtaataact taggccttga tcaaggattt tagcacctaa tgtttgctaa 60
gcttagctgt ctggtgcaga aatacaagac ataaatatta tttcgtagac agttattatt 120
tccttactgt gaatttagca gaatttatag aagtcttttg ggtagtaagc tttgggttaa 180
ttatttgttt ttaaaaaatc gcagttcatg aaacatttct acttattaaa tacaatgtga 240
atactatata tattcttgct actgggtcata attgttagcc ctctcccatg cctcttctcc 300

<210> 1597

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1597

actctggcac agccagagtc attgggtcttt caagcagtc ttcatatcag cgacttttaga 60
agaactgaaa gaataggttg atactgaacc cactcccaga gccaggtagc tgaaagggca 120
ctgtgattgt tatcttacta ggaacacgtg gagtgggagt aaggcagttt tctgcagaaa 180
agagggattc tgggcagaca aaaactacat atgcactatg ttttggtttg ttttttgg 240
tggttggttt aaattaaaac cagaaaaggc gaagacttgg agaagtctca aaattttttt 300

<210> 1598

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1598

gtaagccata tagtctgtcc agaccactga attcctttgt tgtaggctga acagactaca 60
acaaatgggt gtggtataaa catagaacca gtccaatctg gtccagcttt gttagtaaca 120
aaatgtaaca aaatgatgag tctgttttca gtgcaatgga cccccagggt gcaagtcaca 180
tatcgtgga gcataacag atgaacaaag catgcccaat tcataaccct tgggtggaat 240
gaaaaagtca actacaggta gaaccctaagt actcggatca aggaatgggg actatgctgg 300

<210> 1599

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1599

agtggctggg accgcaggcg cgcgccacca caccctaata atttttgcgt ttttttggg 60
agacggtggt ttaccatggt ggccaagctg gtgtcgaaat tctgacctca agcgatccgc 120
ccgcctcggc ctcccagaag gctgggatta caggcgtgag ccaccgcgat tggccgcagg 180
atcatagttc actgcagcct cgagcagcca cttccggggc agctcctcca ttctctgagt 240
ttgagacttg ctctcatctc agatcccttc agagctctnc tggctgaacg accttgggaa 300

<210> 1600
 <211> 278
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (278)
 <223> n = A,T,C or G

<400> 1600
 agattncccc cntnnccctnc nncennnggnc acnaaanggg aantntnnnn nnaaaaaaaaa 60
 aaaaagaggt ggggtggatta cttgagggtca ggggttgaga tcagcctgac caacatgggtg 120
 aaaccctatc tctactaaaa atatagaatt agacaggcat ggtagcgcac gcctgtaatc 180
 ccatcttctt gggagggtga ggcaggagaa tcgctagaac ctgggagggtg gaggttacag 240
 tagccgagat cgcgccactg cattccagcc tgggcaac 278

<210> 1601
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1601
 actggttaaa tagcccttga tgacttttca tgtggcatga gagggatatg cttataaagc 60
 ttaattctga tattatcctc ttactaccta cagtatgttt tgcaaaaatc agtccactta 120
 gcaaactaat ctttgtaaag cagtcagttt cagaagatac tttttatcaa aaaagatggc 180
 aggtttaaca ttataccttt tggtttttgc ccaacatttg atttaatcta aagcaagaat 240
 ataaaataat ttaagaagc atataatttc ttttgataaa aagtaacaaa aatttaatgc 300

<210> 1602
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (298)
 <223> n = A,T,C or G

<400> 1602
 tttggtcagt tgcaccttct gggtcactgg tagcgcgcgg gagccgggtg gggcctaggc 60
 gatgatccgg cattaaggag ctgggatcat cctccgtctc aggtgggttg gggaaagtgt 120
 aggggcaacc aaagatcatc ggcttgacta ggccctttgc cctgaacctc atgaagaaat 180
 gataggaggc agacatatgt gcctaaaaag agcgttgagc tcagacagga gcaactcggg 240
 ggnnngcggg ngncantttg atttgngncn tcnncggcag ncncatccnc cgaatcac 298

<210> 1603
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1603
 caaagatcta atgagtcaca ggatggggga tgaaattggg aaaggtctgg attagcagag 60
 ttgctgcaga aagaagtaga ggggaatatc ttagaaggca cttggacaga atgggggtga 120
 tataaaagat gtatgctgtc atttttgttt tggctcctag aaaatatagc agaaagttag 180
 aatttggtgc atacatcctg ttctgcacct taatatggaa gtttgccctt ccacacgagt 240

cttccttcac aattaacctc taattttttt ttgcagttt tctccagatt ttggaagatt 300

<210> 1604
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1604
 atataaaact gaagggagag actgggagag agcttcacag aagagatttt tgggctcagat 60
 gctgaaagac taggaaaatg tagtgcagag atggccggag gagagtctgg agttccaaat 120
 agttgcctgc tagggaaggc agggagaggc tatgccgtga aggatcctcc atacacttta 180
 aggattttgg gttttactct gtatgtgatt tggagctcct gaaggatgtt aatgaaaaga 240
 gtgataggat tggatttgct ttgggaaaga tctccatggg agcacgttct aaaatggggt 300

<210> 1605
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1605
 ctttagaggt aaccagtatc atgactttaa tggtaattat ttatacaatt tttaatataa 60
 ctttgtcact ttacgtgtat tccaaagcag tatgtttact tttttcgctt cattttaatc 120
 tttatgaatc gtgtattctt tcttcctttg ctcagcatta tgttttgaag agttatccat 180
 gtagttatgt gtagttttat ttcattcatt tttgttatta tgtattatcc ctttgaatta 240
 aatgtgccag aatttattca tccattctgc tgttggtaga tcattgagtt gtttctagta 300

<210> 1606
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1606
 gcagtagctg tgccgtgagg ctcatagttg atgagggact ttccctgctc caccgtcact 60
 cccccaactc tgcccgctc tgtccccgcc tcagtcctcg cctccatccc cgcctctgtc 120
 ccctggcctt ggaggtatt tttgccacct gccttgggtg cccaggagtc ccctactgct 180
 gtgggctggg gttgggggca cagcagcccc aagcctgaga ggctggagcc catggctagt 240
 ggctcatccc cagtgcattc tccccctgac acagagaagg ggccttggta tttatattta 300

<210> 1607
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1607
 gttctgagca gttagtacgt ggcagttgta ttattagagg aagcctgtct tgtttttttt 60
 taaataagct gatagagtga ggattctttt aatcaagact gtttgggatt gaattgccac 120
 tcctgcttac cagagtgtag gcagtttttc ttaaaccttc caagaagact ggtgtcctca 180
 tctaaaatac gaaatgctta cagtaattgc ctcatggggg tgtttggggg gactaaatgt 240
 agtaggattt actacatagt aagttctcaa tacattgtag ctattattat tagttcggta 300

<210> 1608
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1608

ccagggtctct	ccactgtcaa	gttactatta	ttccctttat	aatttgcagt	ttaagatgaa	60
atgcactagt	tttagtgctt	catctgtaaa	actacttttt	tatgtgaatt	tatttttttaa	120
aaaatgtctg	tcactaaaga	gaaaatcatc	atcgcttggc	atggataaaa	acactaactg	180
ccaaagtcac	taacttttgg	ccaaatacca	aagccagcta	aagtcacagg	gccttggcct	240
gtattctttg	ttaaaaagag	attaacaact	gtcgggtgat	aaacataaga	tataccagca	300

<210> 1609

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1609

cctccctccg	cgagctggac	gctccgcagc	ccgcccgcga	gccggcccgc	cgcccgccgc	60
aggaatccct	ggataaagac	cagctcaacc	atcgctgaga	aaacagacct	aggcttccca	120
gggcggttaa	cccgcgggcc	tctgggcaga	gactaaaaga	caaaacaaaa	taaaacaaca	180
acaaaaaact	cccagtgtgt	ttcctactct	tctttgtctt	ggaggaaagc	aaagggagag	240
aatggactt	caccagtggc	ctttggcttc	atcaattcac	aggaaatggc	atcaagatgg	300

<210> 1610

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1610

cttcttctca	actctctgat	tgcttatata	agtgacgtct	tctgaaggaa	agttcagcat	60
tttttctcag	atatgataat	aatatatgct	aagatcttgg	ccaggcacgg	tggtcacac	120
ctgtaatccc	agcactttgg	gaagccaagg	tgggcggtac	acttgaggtc	aagagtttgc	180
tgctttcaaa	tcaatcatta	cttcttagca	cctcttgaaa	tagaaaataa	aaaatttggc	240
caggcggtgg	ccaggcgag	tggtcatgc	ctgtaatctc	agcactttgg	gaggctgagg	300

<210> 1611

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1611

tgcacactaa	catggcacct	gcataaaaac	cacagacagg	taactttagg	gacttcacag	60
tggactcaag	cagactgac	ccagattgta	ggtagaagtg	tgtttgcaa	ggccagagga	120
gctgttagga	cataatgca	tggagacaat	ttgcaacaat	cactgaatcc	acgtttctgc	180
tgtttaagg	tggtgaaag	gatggaggta	tagcttgtaa	tgcaaaatat	acgcagaggt	240
tcatagtga	gctgaggagg	agggccttca	aaagttaagt	gggagatggt	taggtcagta	300

<210> 1612

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1612

ctggaattag	attgtgtagg	gccgacattg	gatttatttt	aagtacaata	ggaagccact	60
ggaatgtgat	aaccagaggc	ttgatgtaat	ctagtcta	ctattaaagg	attgctgtct	120
agtttgtgat	aatggagcc	ttgaccttgg	tgtcaagaaa	ttgtccttga	taccagcaag	180
gccaatttgg	aggttattgc	cattctgaga	tgagaagcag	taatgacttg	gtgtttattt	240
gagatagaaa	gcaagtaaaa	tagaaacatt	ttctggtagt	agaggcaaga	aaacttgggt	300

<210> 1613

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1613

ttttttaaga	gataaggtct	tgctatgtta	tctaggctgg	cctaaacttc	tggtctgaag	60
tgatcctcct	gtgtagctgg	gactacaagc	atgtgccacc	aatgcctggc	ttctcacact	120
gttttgtaac	atagatatgt	gaagatgtgt	attatagaat	tgtttgtaat	actgtagtgt	180
tgtaggcaat	gtgactgtct	atagggaagt	ggacagggtta	tttgtggtaa	atactcatgg	240
aaaacgggtca	agcagttaaa	agcaatcaat	tatgggcacc	cagcaatgca	gataaatctt	300

<210> 1614

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1614

tctaaattca	tggtatttat	ttatatatgt	ccttaatcct	cactcacatt	ggccctacag	60
gtagattcat	tgctcactgt	cagttctctt	gctgaagttt	tcctattttt	ctcttgattt	120
gctgaaattc	cttctccagt	agtttaatca	aaagggacta	aatgaaaaaa	aaaatattca	180
gttggtgcaa	gttcaaaaag	gtttttagtc	tttgtgtttg	attgacagct	ttccagcata	240
taaaattctt	agggcacact	ttctttcctt	gagaacttca	cagatgtcac	ttctgtctct	300

<210> 1615

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1615

tctaaattca	tggttttat	ttatatatgt	ccttaatcct	cactcacatt	ggccctacag	60
gtagattcat	tgctcactgt	cagttctctt	gctgaagttt	tcctattttt	ctcttgattt	120
gctgaaattc	cttctccagt	agtttaatca	aaagggacta	aatgaaaaaa	aaaatattca	180
gttggtgcaa	gttcaaaaag	gtttttagtc	tttgtgtttg	attgacagct	ttccagcata	240
taaaattctt	agggcacact	ttctttcctt	gagaacttca	cagatgtcac	ttctgtctct	300

<210> 1616

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1616

cagacagtgg	ccccggctgg	gagtggtttt	tggttggttg	tttgtttgtt	tttaacctca	60
tcaatgttat	aacaaaacaa	cgctgaatga	aacgatccta	ttgacgacct	gctgtgaaat	120
acaggataat	aactacccaa	aggagggcag	tgtgaaagtg	gaatcacact	gttgtaaagg	180
tattttattg	tgggaggtgg	tacagtatta	atctaagaag	accagtaaag	acgaatattg	240
taatccctgg	agaaagcacc	aagaaaataa	aacaaataga	gcttttcagg	aaaaaaaaac	300

<210> 1617

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1617

gaccacctac	ggaaaactga	ggcccacata	agctcgattg	gttgtaacctc	caacagatat	60
ttattaagca	cctactaaat	actgagccca	ttgcaagcac	caggggaagcc	tctgtgaaca	120
gcacaaggtc	cctgctctgg	agattctgct	tcagtgggtg	agacagaaaa	taaacagttt	180
cccgtcacca	attttccttg	gaattggaca	gatggcagcc	accataatga	tactatatgt	240

gtccaagcta aacaaaatca ttcacttccc tgattttgat aagaaaattc ctgtaaagct 300

<210> 1618

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1618

atctctagct	ataaagaatt	aggttgtag	gttgaataat	tgtaaagcct	gtgcccagagc	60
cgccagttgg	cgatgcaggt	ggttgagggg	agatgtgggt	ggtatataag	aagcaaagga	120
ctctcagccc	ctgatgtgcc	ccgcgtgggc	ttcttagggg	ggctcaatgc	ataaagacag	180
aataaaatgg	gatcctccac	agagatttaa	tctgtagaag	atcaaacacc	tgttgcctgg	240
tcaccttagt	ctaaaaagta	gtggagtttt	gttttggtat	ttttttaaag	catgattcta	300

<210> 1619

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1619

gtgagatacc	tgcccctact	ttgccttctt	ccatgattgg	aagcttcctg	aggccacccc	60
agagtcagaa	gccgctatgc	ttcctggaca	gcttgacagaa	ccagtattca	ctgactgctg	120
aaactagagc	atcactgaga	agcaagagat	agactgacct	aactagaggg	agagctgcca	180
tccaggatga	tgccaccatc	acaggaggtg	agaaggaaca	cagcatcttc	tgcaaatgct	240
acagtaaata	gggacggggg	gcagcaatgt	gaggaaagtg	gaatgaactt	ggactttgaa	300

<210> 1620

<211> 98

<212> DNA

<213> Homo sapiens

<400> 1620

actctctcta	caactgacag	agtaaataga	caaaaaatgt	atggggggata	tggaatatatt	60
tatcaacaca	agtaaaaagc	ttgatctaac	aggtggtg			98

<210> 1621

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1621

gctggcaata	aataagatat	ctttattatg	attatgttaa	tagttaaaat	ttgcatgttt	60
tctagatagt	ctgttaacag	gataaaaaaa	tacaaaaagg	cgagcttctt	aatgattcag	120
ctgaattaac	tataaaatta	aaatacctgc	taattattat	cttctaaaaat	aacacaaaat	180
atattcaata	cgcaatacaa	acctcagtaa	tccaattctc	ctaatatgca	attattttata	240
acctctgaac	taagaggaag	tggtttgact	aaacagagaa	ataacaatgt	ttttatccta	300

<210> 1622

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1622

gtggcatttg	atgctgtggg	ttggagccca	gctttggggg	cagacacacc	tggttttgaa	60
tcacattgct	gccccttcca	ggctcacatc	atttttatttc	ttttttcttt	ttcttttttt	120
ttttttttt						129

<210> 1623
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1623
 aaaggctatc tatattagct ggggttcccc ccaaaagcaa cattggataa ggactcatgg 60
 gcagatactt tcttctggaa aatgatcccg taggatatgg gtagaaaaag aaattgggac 120
 cagaaaagaaat gaaacaggaa agaaagaaag cctattgaag gatataaaat ttctgtaaac 180
 aactggagct tagtccact gagggcccct gaggaactgc gcagaatgta agacagagga 240
 ggaaatattt agccaccagt tcctatctcc cattggccaa cttgatgctg agttcaggag 300

<210> 1624
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1624
 gggattacag gcgtgagcca ccgcgccag cctcatatcc cccatttcaa acacgctgta 60
 aacaatgctc aattactttc ctcttaagtt gaaaccacca attactgggg aaaggggcag 120
 ttagatttta ttggttgact ttgtgttttt actaatcctt gttgaaaagt agaggaattg 180
 gtttagttga gaaaacaaaa tactaaaaaa tctgccacta gactttttta gtcaagagtt 240
 tgtataaaat gaaacatatc tactatctaa tctataaaat ttagaatctt ttttaattcta 300

<210> 1625
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1625
 cattacatga ttctgtctta acgaagatag aagcatttta ttgcataagt tttcttctgt 60
 gtgtgggaat catatgtggg tgtatatatg tttaaggggt atgcatccgg gtagacgttt 120
 gtgtgtggac atgtgtgtac aggtatataa gtacatgtgt catagccttg gtacaggtct 180
 catagccttg cagcactgtg ttctggcgg gagtggcatc tgtctgcatg tctgaaaatg 240
 ccacgtgtgc attctgtga tcaccaaggt tcgtggctgt aggcctctc tcttcagtgc 300

<210> 1626
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1626
 gctctgtgac accctttttg tgatcttcag tgctgttttt atggttacac gactaggaat 60
 ctatccattc tggattctga acacgaccct ctttgagagt tgggagataa tcgggcctta 120
 tgcttcattg tggtcctca atggcctgct gctgacccta cagcttctgc atgtcatctg 180
 gtcctaccta attgcacgga ttgctttgaa agccttgatc aggggaaagg tatcgaagga 240
 tgatcgcagt gatgtggaga gcagctcaga ggaagaagat gtgaccacct gcacaaaaag 300

<210> 1627
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1627
 cagggatcca cttgccttaa tttgcacagt gttcttataa atcaacagaa agtacacata 60
 acagaaaaat ttaaaagggt agggatcatt taggaaaaaa tgcaaatgcc aacaaatgtg 120

agaaaatgct caatcttact tataatttaa gaactacaat tcagccaggc gcggtggctc	180
atgcctgtaa tcccagctac ttgggaggct gaggcacgag aattgcttga acccaagagg	240
gagaggttgc agtgagccaa gatcatgcca ctgcactcca gcctgggcga cagagcaaga	300

<210> 1628

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1628

gtgaggcata tttgctttta catgcgctta ttacagaagt tatgtttact gtagaaattt	60
ctggaaatac aaatgcaaaa taaaacacaa atctctgtca ttctgcagaa acagcattct	120
tttgaccctt tttgttttat tctatagatg tatatttttg tgtttacaga aacttgatca	180
tattatttta taacttgctg tttcatataa aattatcatg aacatctttt gtgtcatgac	240
atgtctcttc ttttaatgag tgcatagtct tccaaactac aaatcttcca tactctgttt	300

<210> 1629

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1629

ggtaagtgtc tagaacaata tctaacacat agtggttgcc cagtaaagtgt gagctgtgtt	60
gattttgaga ttataactac aataagaact ttttcaaatt gatacatatt tagccgatat	120
aatctaattt ttttaagatgg aattattcta gttgttggat ttacacactg tagcattatt	180
tttgggaaact accaaattat tccagtttgt catcataaag tagttgctaa agcaataaaa	240
agtgaatat ttattcatga aagagtagtt catgtcatta agtgtatgaa tggagtgatt	300

<210> 1630

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1630

aaagagttga gtattttatat gtgcagtggt gtatcatgct gaatacttta tctggatggc	60
gttatattat cctcctata gactattgag ttgagtactg ttattagatc cattttacaa	120
atgaggaaac tatggagaga ttaagtaatt tgcccaagat ccataataa gaaggcaagt	180
gtcgaatgcc aggcattcta acttcagagt ccatagtctt aacccttggt ctattctctt	240
ccacaaatac acccagcagg taaaagactg agaaaaataa atatcaaaaa gtaccttttg	300

<210> 1631

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1631

ctatgatcta gatctagtat aactcttggt gttttatata ttttattaca ctggaacagc	60
tcgtgccctc ggtctcttgc ctcgccacct ggatggettgc ccgccacat attggaactt	120
cattgtggaa gttacttttag gcctgacagt gaaggagttt cctctagaga gagtttctgt	180
taacttctga tctgtgttct tttgtaaagc atgtctcttg taaacagcat atagttgggc	240
ttctctgccc tacagtttat tctaattgcc ctatgtctct aaattggagt gtttagtaca	300

<210> 1632

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1632

attcaagatg agatttgggt ggggacacag ccaaacccta tcggttgcca acatttacag	60
taacagtgtt aggtgaacag ttgtccagtc tcctgttttg tcggacactg tttctagcac	120
cttccaggca gaatctcatg tatccttcac tttegaaatg ggtactatgt catccccact	180
tttatcaatg agaaactaaa gtcgaagag gtcaagtaag ttcctggcca aggtcagcta	240
gcaggtctta gaggcctcgt tctccttaga ggcaagcctt gccagggccc aggccttgga	300

<210> 1633

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1633

ccccattcaa gtttcaccag ttttctcaat cacattccac aggcaatgtt aattcacatg	60
tattatttag ttgtcacgtc tctttaatct ccttcagtct gcaatagatt cttagtttct	120
cttagatgtt catggacttt gttacttttg aagattatca gcagttatgt tgtatctctc	180
agtttgggtt tatctgatgt ttctgcctag attcaagtta gacatttcaa gtagtactgt	240
aacagaagtt atgctatgtt cttttcattg cattctatca gattacatga ttttgattca	300

<210> 1634

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1634

accatgttgc ccagtctggt ctagtctggt ttaacaagtt gttgctgtgt aatgatatat	60
gtgtggtggt aattttgcttg ttctaagtt taaatgaggt agagcatttt atgacatgcc	120
tgttctagtc ttttgcttat ttttctaatt gccttttctt tttcttaata atttcagttc	180
ttcatatgtt cagcatacta gtcctttgtc aatttacatg tattgaatat atatactctc	240
ccattctgcg gcttattgtt ccattcttca tgaacatttg taattttaat gtcctattta	300

<210> 1635

<211> 164

<212> DNA

<213> Homo sapiens

<400> 1635

cggcacgagc ccaggctggt cttgaactcc tcagctttta ctttagcttc ccagtgtggt	60
gggattacag gcatgagcca caatacctgg ccaagtcctt ttttttaatc aaatgactta	120
ttaatacaca gtttctttgc cagcttttgc tcccttttagt gaga	164

<210> 1636

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1636

gggaaaagaa aaatagtagt agaagaggag gagccattac tttcatttct gttcattctg	60
aagaaacaga gatgactctt tctgtataac tcaaattctt aaaagaaacc cttgatatat	120
agtgtcaatt atatgaactc tacctcaggg tacctaaaaa aagaatgttt ggttaccoga	180
atgaggggga ggttttctct tagagagaag tattggggcc aacaaatgaa aaaggaatag	240
tttgaacacc acatttttgc actcctaagt aaataatgga tttaaagaat tatcgatggc	300

<210> 1637

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1637

aagaaaggga	aagtaggaac	agggagcaga	gcaaagcata	acttgctgtg	ttccagggat	60
ttaaaaataa	attactgtca	agagcaatat	aagggtcatg	ggtttgatca	ggaacttttt	120
gtaaatgaaa	aagttcacaa	tttggaaaaa	acagtgtctag	atgtgttatg	gaaattgtta	180
tcacaaatta	ttccactgaa	actcaagtat	ataagacaac	aatatattgc	tgtgaaatct	240
taattttgac	atatggaagg	taaccaaaaa	taagaacctat	acctttttgc	ttgaagtgtca	300

<210> 1638

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1638

ggcagcagca	gcagcagcag	cagtgggtgga	acgaggaggt	ggagaattga	gagcacgatg	60
catacacagg	tgtttctgag	tagtaattag	atcgctgtga	aggaaaaagc	acacctttga	120
gttttcacct	gtgaacacta	tagcgctgag	agagacagtc	tgaaagcaga	ggaagacatc	180
gatcagtaac	accaagagac	accaaagttg	aaagttttgt	tttctttccc	tctgttttat	240
ttttcccccg	tgtgtcccta	ctatgggtcag	aaagcctggt	gtgtccacca	tctccaaagg	300

<210> 1639

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1639

gatggggagc	cattgaaggg	ttttttgagc	agggaggtga	catcacctgg	gttacatttt	60
aaagattcac	tctggcagca	gagtgagaaa	tagactaaag	gaggcaggag	gacacgagtg	120
aaaacagggg	gctatagcaa	gagtctttgt	ggttgcccag	gctaaagatg	atgctggctt	180
ggactgggtg	agtagtgata	gacctacaca	agtggtagga	tcaaaacaga	ttgaagctag	240
agctcacagg	aatttgctgc	catgtgtgaa	aaagaggata	gaaatgactg	ctaggttgag	300

<210> 1640

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1640

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tttgagaggg	gaaatggggg	tgaaatatat	ttttattggg	gaatcatttt	gtgaatgtcc	120
ccctcaaaaa	aagctaattg	aatattttgg	ataaagggca	tttggtgggt	ttatttttgt	180
ttgaggggga	ttgtcagaaa	atcccttttc	tctcttacgt	ctaactgact	agggaacaat	240
tggtgatatg	catagcattg	gaatacttgt	cattatatac	tcttacaat	aacacatgaa	300

<210> 1641

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1641

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cccaaaaagc	aaaaccctga	ggcagggatc	ttggttgaag	tggggagggg	atcccagaaa	120
gtggggtgag	ggtacggagg	catgaggtag	gaaaggggaag	aaaggagata	aaatgtgtgt	180
taatgagcag	gttagcactg	tggaccacca	cgctcaatcc	cactgagacg	tgaggaagct	240
gggaatgtat	ccaccaggcc	ttaattttatc	aagatgagga	ttactcctng	aaatgttaac	300

<210> 1642

<211> 298

<212> DNA

<213> Homo sapiens

<400> 1642

gcaagctgcg	tgaccgggag	atccagctgg	agatcagtgg	caaagagcgg	ctggaagacc	60
tgaacttccc	tgagatcaaa	cgaaggaaga	tggctgacag	gaaggatgag	gacaggaagc	120
aatttaaaga	cctctttgac	ctgaacagct	ctgaagagga	cgacaccgag	ggattctcgg	180
agagagggat	actgaggccc	ctgagcactc	ggcatggggg	gaagacgatg	aagaggacga	240
ggaggagggc	gaggaggaca	gcagcaactc	ggaggatgga	gacccagacg	cagaggcg	298

<210> 1643

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(277)

<223> n = A,T,C or G

<400> 1643

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attaaatata	ttattggatt	atggttcctg	aagggtcatta	aagtttgagt	gtgtgtgtgt	120
gtgtgtgtgt	gtgtgtgtgt	gttttatgac	ttaaatatct	ttacgtgtgt	tttttagagc	180
ttggttcttt	aaagatttgg	agaagatatg	taaattacca	aggcacttgg	ttcttctgtt	240
ttatatacta	ataatcaggg	cctaagttaa	ataaaaaa			277

<210> 1644

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1644

aagacctgca	gcttcagcat	cacttgagaa	gttggttaga	atgcatacta	gtgggccccg	60
ccccagaca	tagtgaatca	gaaaccaaca	gggaggcgcc	tagcattgtt	ttttaacaa	120
gtgctgggtt	attctgatgc	acagtctagt	ttaagaacca	ctactttggg	taaacgtttt	180
gactgtttta	agtttatggc	ggtgaagtgg	gcactctcaa	agactagtac	ttacacagtt	240
tagaagattt	caaggtactg	ctgacagtag	tttattatgt	cagtatacat	acgtgtagag	300

<210> 1645

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1645

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tttcccagct	tccttgaag	ctagagaggc	cacgtgtctg	agtcctgggc	agtgatgttg	120
gggaagtga	tgtggaactg	ctaagcctgg	agccggagca	accttcctcc	tgagtcctcc	180

ggaggatggt ggaactctta cacggaagga tatgcgttcc tggaggcatg cgaggcaggc 240
aggagcccca cagctcccct ccacaccaat tcattctgcac aggaatatgg gattgcgaat 300

<210> 1646

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1646

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cgaccaatag agtctctgtc cctgatagat gccgtaatgc ctgatgtagt acaaacaaga 120
caacaagctt atagagataa gcttgcacag caacaggcag cagctgctgc agctgccgca 180
gctgcagcca gccacaagg atctgcaaaa aatggagaaa acacagcaaa tggggaggag 240
aatggagcac atactatagc aaataatcat actgatatga tgggaagtgga tggggatggt 300

<210> 1647

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1647

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ttatcaagca gtacatgaaa gtgtaataat aaaatgtcta tgtatcttta gttacattca 120
aatttgtaac ttataaaca tgttttatgc ttgaggaaat ttttaagggtg gtagtataaa 180
tggaaacttt ttgaagtaca ccggatatgg gctacttggt actagacttt taaactttgc 240
tctttcaagc agaagcctgg tttctggggag aacactgcac agcgatttct ttcccaggat 300

<210> 1648

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1648

aaaaggtggc catgtgagaa ggactcagca agactttgct ggctttgaag atggaagaat 60
gtggccaaaa gcctagggat gaatatggct tctagaatct ataataaaca aggaaacatt 120
atttcccgaa gcctctagaa ggactgcgtt ttgcttttgc ctcggtttta gccagtaag 180
acccatttta gacttctgat ctttgggaatt gtagggttaat gcattttatat tattttaagc 240
cactaatttc tggtaatttg ttacagcagc cgtaggaaat taacatgtag gaaaataaac 300

<210> 1649

<211> 166

<212> DNA

<213> Homo sapiens

<400> 1649

ctcagctgaa attcttttcc ctatctagtt ttgttaagga attcaacaca tgccagttaa 60
gctgtcataa atgaaataat ctacctcgag gctgtatttt aacagattat tatatcgaaa 120
gaaaaaaatg aatgtttata aaataacatt tctttttttt tttttt 166

<210> 1650

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1650

ggaaccaggg gctgcagaac cagccccctcc ccaatgagga cccccctctgg acgccccctcc 60

ccatggagaa	caccaggagc	cacagacccc	agaccacaga	gcacacaggg	gagggcacgg	120
ggcggccggg	gcagggtgtc	tgctgcctcg	tttatgggat	ttgctccgcg	tctagcacac	180
tgctgcctgc	agtgtcctcg	ccccctgcag	tggtactctt	gggcctacgg	gcctaatacct	240
ggttggcatg	aaaatgtcct	gaggctactg	tgacaaatct	ccacaagctg	agtggcttaa	300

<210> 1651

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1651

tgaacttggt	cattttgttt	tgcttgggag	gaaaataaac	aattttactt	ttttccttta	60
ggagcattat	gagcattatg	tcagaataga	atagaattgg	ggttcgatct	taacaggcca	120
gaaatgcctg	ggtttttttg	gtttgttttt	gtttttgttt	ttttatcaaa	tcctgcctga	180
ctgtctgctt	gttttgccta	ccatcgtgac	atctccatgg	ctgtaccacc	ttgtcgggta	240
gcttatcaga	ctgatgttga	ctgttgaatc	tcattggcaac	accagtcgat	gggctgtctg	300

<210> 1652

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1652

ggttcagaga	aaagtaggca	gagaaaggca	gtttaggagg	tgacacaaga	gggaagccta	60
aggagagaga	actggatgga	gcttcccagg	tgatgacagg	gttgaactcc	agggctatac	120
ccagctgagc	aaggagagct	ttgcctcttc	aggagactgg	aagttgggga	agactccaac	180
aggcttgttg	tcagaagctc	aggagactgg	gaaggaaaag	tgaatttctg	aggagtcccta	240
gttcatttca	ttaatttgtt	caattcttta	acgtatgttt	attatggacc	tactatgttg	300

<210> 1653

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1653

tagacagcca	tggtgtcac	acaaagcctg	tttgtgtgtc	tcttcacacg	gactcgagtg	60
aaaatacaca	cgcacacaca	cacaaatgga	catttaccct	actcctgctt	ttgtgtctatt	120
gtgggtcatg	atagtatttc	ttttttgtct	ttgtttttct	tggtgttttc	actgtcatac	180
aggatattat	gatggaaaca	gaatcagagt	ctgaccttcc	tgacttgaag	tacaagggtt	240
ctgggggttt	tcattcgtgt	tttatgtgtt	ttttaaaaaa	ttatttgtgt	ttttaatcga	300

<210> 1654

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1654

agacaagcca	gatcaccaag	atccccattc	tgaaagaccg	ggagcctgga	ggtgtgaccc	60
agcagggtct	ttgtatccat	gccatcgagc	tgaatccttc	tagaacactg	ctagccactg	120
gaggagacaa	ccccaacagt	cttgccatct	atcgactacc	tacgtctgat	cctgtgtgtg	180
taggagatga	tggacacaag	gactggatct	tttccatcgc	atggatcagc	gacactatgg	240
cagtgtctgt	ctcacgtgat	ggttctatgg	gactctggga	ggtgacagat	gatgttttga	300

<210> 1655

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1655

accacgcccc	cctgtaacca	ttatTTTTaa	gattgctacc	attggatagt	tctgtcattg	60
tccaactttt	ggatatttaa	aattgatccc	tgtgtggcta	acagaattaa	tgtttccaaa	120
aatgttgaaa	attatatagt	tctcttaatt	ccccacctct	aactatattt	ttgggttatt	180
tctttaggaa	cagatgcccc	ggagtcatat	tactgagaat	ctagaaatct	tttgcaaagt	240
tcttgttata	ttgccaaatt	gcttcccaaa	agggttgttc	taaaccaata	tttcaccagc	300

<210> 1656

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1656

gagaaagtaa	agtcccttta	taatggcatg	tgaaccagac	aatttagtag	ccagggttgt	60
aaggcaactc	ttaactgaca	atatagttag	tatattctgg	gccttcctct	tcaaaattag	120
taggtagtat	ttattgagtg	catatcatgt	gccaggcctg	gtgctgagtg	cttacaatga	180
tcattttata	tatgggaaaa	ttgaggctca	gcagggtcaa	gtgccttgta	agaggtagca	240
ctagtaagta	acagtgtctc	aattcaacta	ggtctttcag	ctttttatac	aatactgcct	300

<210> 1657

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1657

gtgatttact	ttctcattca	aaatacatat	tggatattgt	atctaatttt	gtattggtaa	60
ttttgggtta	tgaaccccca	gatttgaagc	cccaaattgt	atagggttca	atgcccataa	120
aaccagatc	tgcccttgct	tagaggccgg	cccctctagg	agacagcatg	tggggccacc	180
cagagattga	ggactcttct	gttctgccct	atcgagcag	agaggccatc	cctggagctg	240
gaagggtcag	actgggaatt	gctccttctc	tgaattgcta	gctcctgcta	atgcctgcat	300

<210> 1658

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1658

gtggcccaag	gggcccacaa	taaataacac	agtcactcct	attggtacag	caatgccaaag	60
atttagaagt	tatttcatag	gagctgggac	aaagggtcaaa	cctctctttg	ggcaagaccg	120
tattctttat	tgcatagtct	tgaagaagaga	ttttgtatta	cccaaacatt	tattttaaaa	180
aggcaccccc	atatateccat	cactcgaaact	gtacatttct	aaatgtacat	tgacctttgg	240
tatattagtc	tagcaatcca	gattttgcct	cttgtaagc	gtatcagggt	cctggcagga	300

<210> 1659

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1659

agacactgaa	ggaaccaata	aataatcctg	cctctattaa	tgtattttta	tttatcatgt	60
aacctcaaag	agccttctgt	attgagtaag	cattctatgt	ctttttttta	ttgtacttgt	120
attagatttt	taaggcctat	aatcatgaaa	tatcactagt	tgccagaata	ataaaaagaa	180
ctgagtttaa	ttatgaataa	tatgtaagct	aggacttcta	cttttaggtc	acatacctgc	240
ctgctagacg	ggcaacatga	agtaggacag	ttctgttgat	tttttagggc	catactaaag	300

<210> 1660
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1660
 tccccatctc cacactccct accctctgtc ccctcaaccc tgctttattt ttttatgaag 60
 aagagagatg acattatttg gattttgata ttaaacagct aggttatctt aggtaaatac 120
 ataagctttt gtgggccaca gtttcttcat ttgaaaaatg aagttggact agttttgcag 180
 tgcttaactg cacagagcat tagaatcacc tggggagact tcataaacta cacaaccagg 240
 ggtgtacctg agatcaaag aatctaggcc ttctcaactt taatgtgcag acaaatcacc 300

<210> 1661
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 1661
 ttgcaggatc ccacgcgntc gtcccatctt ccacactccc taccctctgt cccctcaacc 60
 ctgctttatt tttttatgaa gaagagagat gacattattt ggattttgat attaaacagc 120
 taggttatct taggtaaata cataagcttt tgtgggccac agtttcttca tttgaaaaat 180
 gaagttggac tagttttgca gtgcttaact gcacagagca ttagaatcac ctggggagac 240
 ttcataaact acacaaccag ggggtgtacct gagatcaaag gaatctaggc cttctcaact 300

<210> 1662
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1662
 atctatatct attaatattt ttctgtagat ctatacctat catatccatc catatgttta 60
 tattatattt acctaatcta tttaatctat atcatgttat gcacatatat atgaaacatt 120
 tttgagtggg aaattttatg gaaaaagtat tctatataag gtggattagt aatcctcttt 180
 tgaaaaaaaaa ttctagttct tctcaattgt gaaagatatg tctaagcttt ctaacaaaat 240
 gaactccaaa cagtccttaga tgtctgcctc tttttaatca tttagtgaag taattgggtt 300

<210> 1663
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1663
 gttggtgtgt gtctgcatgt ccaaactctc ctctcctttc tcttataaag acataggtca 60
 ttggatttag ggcccatcgt aaatccagga caatttcac ttgacatccg taactgattt 120
 tatctgcaaa gtctctattt ccaaataaag tcactttctg agatttcagg tggacagtta 180
 tttgcgggga tagtattcac ccactagat tcagggttgt ggggaagtgt gcttactaaa 240
 ctctggttca cggagctgcc aaagaaaaga gatttatttt taaacctagg agagaaggca 300

<210> 1664
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1664

caggctcatc	tccaactgac	ctcatgatcc	actggcttcg	gcctcccaaa	gtgctggagt	60
gcagtgggtg	gatcatggct	cactgcagcc	ttgacctcct	gggctaaagc	aatttgccct	120
cctcggcctc	tcaaagtgtc	gggattacag	gtgtgagcca	ctgcacgtgg	cctcttttta	180
gtttattttt	tccaaaatta	ttttgaaaag	tttcaagggtg	gaatgtagtg	acaccatcac	240
ggctcaccga	agacttgacc	tcttgggctc	aggtgatcct	cccacctcag	cctctcaagt	300

<210> 1665

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1665

gttgatctct	catcagtgtt	tgacagttaa	tcactttttc	ctccttgaaa	tacctctttg	60
aggcttccaa	gacaccacac	acaactgggt	tacctctctc	tgtctctctc	ttttttgttt	120
cctttgtgga	ctctttctca	gcattttctgc	tagggttcag	tccatggcct	ccttcacatt	180
tctgtctcac	tttctccctt	aatgttgcta	tctagtcttt	taattttatt	tatttctagt	240
tttaaaattt	aattttaaaa	acttaatttt	atttaatttt	tgagacacag	tccttgtagt	300

<210> 1666

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1666

aaaattatca	aaccatcctt	tgtctggcatt	aaatattcaa	gttgaagatc	cttcaccttc	60
ctttaatcct	atattagagt	ctataggtgt	gtctttctta	tagcaatcct	gcactcacat	120
aaaaactgga	ttttcaatat	aagatcaaaa	tgtatttcac	aaaaaatgca	tctttatatt	180
tggttacatt	tctcctgact	gaatgggtgc	atgtacagtc	tgtgtaagtt	atagaaaacg	240
tttgccaaact	cgtagtctac	cattttggta	tttggtttct	atttggttcg	tctggctctt	300

<210> 1667

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1667

ctgagacatg	agaatcactt	gaacctggga	gggtggaggat	gcagtgagct	gagattgagc	60
cattgcactc	cagcctgggc	aacagagcga	gactcttgct	tcaagaagaa	gaaaaaaaga	120
aaaagaaaaa	gaaaaagaaa	aaacttttga	tgccagtagt	tctgtgaaga	caacaaaaaa	180
gcagggcttt	gagagagagc	aatgagggca	taggtggctg	attacatcag	atgggttaat	240
ctccaagtga	aatttggggg	aacgggtgtc	caggcatagg	gaatagcaga	tgtaaaggcc	300

<210> 1668

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1668

gtaaagtgtg	ctgattgaga	actagagttg	tggggtcaga	cagacctggc	ttcaaatcct	60
cctcggccac	ttacagctat	gtgatctctc	tgagctcagg	tttctcatct	gcaaagttgg	120
gttaataata	caagttcttg	ctcattgttt	tgttgggagg	agtgaatgag	ataaatcacg	180
taaagcacgg	accacagtga	ctggctgata	ataagcctca	gtggatggtc	gcccttagaa	240
ttattttgtg	accctttgct	tttgaggcag	ctgggtgagct	ctgtagcctc	agagattact	300

<210> 1669
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1669
 ggatgggtgc cctggagcca ggcaaggcag gaggccccag aaacttggtg ggggagataa 60
 cggaggggat ggagcaggag gaatcctgaa aaccggactg ggagagatgg ggccgagtgg 120
 acgatgccca gtaccagcgg gcgtctgaga ctgaaacatt aattctgaag aagaagaaac 180
 tagacagtca gacctccagg actaagatga agtgagccga gaggagatcg tatcataaga 240
 atgcttctgt cgttagccgg gtgcagtgtc gtgtgtatct agttccagct acttgagagg 300

<210> 1670
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1670
 ctaaagccgg ctatgggaag ccatgtcata cttggctacc ttcctatggt cttcttcaca 60
 gcaaaactct tggactgac atttgaagtc acccctctgt gtcttcttgt gaaatggctt 120
 gggcgtctct gggctctgac ttgtctatct gggaagagat ggggtagagg gagtggatt 180
 ataaatcatg cttcactcag tcaacagaat gctactcagg cactaaaaat gatggcgtag 240
 ccctacgtat tctgacatgg gaagatggcc acaatatctt attatgtgga aaaaactagt 300

<210> 1671
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1671
 aaaatgcttt cctatacatc atcttaccac agtatcgtga gacagtcagg aaaagtagac 60
 aaatgtcatt aacttcattt taaagatgaa gaaactcagg cacaaaaaca gttatcaaatt 120
 tgccaaaagg gcacatagtt ttagaaatgg gactgaaatc cagctttcct gactcaaagt 180
 cctatgttaa tccaccagtc atttattgag cttctgctat gggctatgta ttgtgctgaa 240
 tgtagaccaa cacagaataa ttcttaaate ttacagactt tttcatagta ccctgtctgg 300

<210> 1672
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1672
 tataatctgg gggtagagag caagaagaag tactttgact ttgaggagat tctggccttt 60
 gtcaaccacc actgggagct cctgcagctt ggcaagctca ccagcacccc agtgacagat 120
 cgaggaccac atctcctcaa cgctctgaac agttataaaa gccggttcct ctgcggcaag 180
 gagatcaaga agaagaagtg catcttccgc ctgcgcaccc gcgtcccacc caaccgcca 240
 gggaagctgc tgcctgacaa aggactgctg caaatgagaa cagcgccctcc tctgagctgc 300

<210> 1673
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1673
 cttgcttgaa atacagaatg tccagatcta ctgagtcaga atttacattt tcaaaagctt 60
 cctacgtgac tcatgcatat taaagtttgg gaagcactga cttagattac cttttgagaa 120

ttccagatgg	gtcagaaacc	agacagaaat	actcagtagt	gagaagctat	ggtgtatcag	180
aagctgttag	gcatttcacg	gtttggtagt	gagcaagaca	gatagttttc	ctgtattcag	240
cgacttagtc	tagagagaga	caggatggaa	ttaagtgttt	aggtgctagc	caaaagtata	300

<210> 1674

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1674

aaatcagtta	ttaaacttta	tgtatatatt	ttagccagag	cttaatTTTT	atgaagataa	60
agacatgaag	tttaacaatg	gacaacagtt	agtacagcta	attgtgaggt	caagtaattg	120
ttagacatag	gggaaggctt	tgttccacaa	tattatatgg	accactgaac	aagaatgaca	180
gccctttgtt	atcacttggc	atatgaaaag	tgttgtgtgc	atagtttgtg	ttaatTTTT	240
atgtgcataa	aaatgtgatt	ttaatttata	tgctctgaag	gataattcag	ggtatagtta	300

<210> 1675

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1675

aatccttctt	gggaacatg	ttattgtcct	cattgtccag	attagaaaac	tgagtgtaaa	60
gtaagttaaa	ttatagtcct	aagggtgaat	gctaataaag	acagaataca	agtccaatat	120
attggactca	aaagccctca	cttaactatg	gtctccatgg	gcttcccttg	gctctctctg	180
ccttttttta	ttttttctta	ttgcttgagg	ccctttctgg	aaggtaagtc	tggattatct	240
acttcacact	gttttagaga	agacttgtgg	tttccattta	ccccttactc	cctccgctcc	300

<210> 1676

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1676

ccttcagtg	cctccctgtg	gaagtgacat	gctcattttt	gccttattct	gtaagtgggg	60
agtcactaag	tctagcctat	attcaagggt	aaggagagtt	aagctccacc	tcttaaaggg	120
aaaatttata	gacattttca	aatgactaca	tcacttaacc	cctcaccatc	tgccctccca	180
ttgctagcac	ttgatgacta	gcccttgctg	ggctttacat	gaacagatgt	ttcccaaagt	240
tataaaatta	gtaccactaa	aatgtatcaa	atgtaaagcc	attctgtggt	atgtcatagt	300

<210> 1677

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1677

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acaaaccagc	tgaatcataa	aaacaaatga	ctagttactg	ggaggggttt	ctctctttct	120
cattattttt	acttctacca	aagtaatgtg	cacatactgg	taatttttatt	ttatttttaat	180
tttcaccaag	ctagctaatt	ttctttcttt	tttttttgng	naggngggct	gtcggccttt	240
tgctgaggnt	gatctccaac	tcctgncctc	aancanncct	tccncttggg	cctaccagag	300

<210> 1678
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1678
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 atttggggga agtgtagtga ggaggagccc agaggacccc aggggagtga ggaggagaa 120
 cttggaaggg tgcagcccac ttccagactc tcccctctcc cacccttcta ccctgtgaag 180
 ggaaatgagg gcttttagttt cctgggcagg gaggggcagc ttctgagggt gccaaaggcc 240
 cccactggat ggaacctgtt agctgtcct ctccgcagcc agaaatgctg ccggtgcac 300

<210> 1679
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1679
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 ggaaagtgc tgggtgagt gagttccaaa tggagggaac tgcattgtga gaggcctgga 120
 ggtgagggga acctgggcac attccaggag ctgaagggtt tgttgggtt ggaacataaa 180
 gagccaaagg gggccaagca gtgcttcaca cctgtaatcc cagcactctg ggaggccgag 240
 gtgggcagat cacctgaggt caggagttca agaccagcct ggtcaacgtg gtgaaacct 300

<210> 1680
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1680
 aggcatttca aactgaacac atctgataca gaacttttca ttccctccc aactttgccc 60
 acgccagcct gctcctcctt cacgctttcc acttagtata tgatccact attcactcag 120
 tctctgaagc ttaaaacctt ggattcatcc ttgactactg tattctttac aatctactcc 180
 taatgcatta gcaattcttg ctactcttac ctcaaaaata tattctgaat agactatttc 240
 ttgcccgttc ccttgcctcc ccatttccc tctgacccc ttctctctc cccaaatcaa 300

<210> 1681
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1681
 aggatgtctg ctggacatcc aagtggctgt gtcaagtagt catctgtcta tttgtgtctg 60
 aagtgccag gagaggcctg agcttggagc ttacatctgg gactcattgc taagtaaatt 120
 atatttatgt aatgggaaag gatgaaaacc cacatgtagg atgagagttg gccttgagcc 180
 tttagcgttc ccgtagtctt ttttatttat ttatttattt attttgagat ggagtctcac 240
 tgtcgtccag gttggagtgc agtggcgagg gcgcgatctc ggctcactgc aggtccgccc 300

<210> 1682
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1682
 ttcttgagga gctgagcctt cgctcctcag atcacaggct cacatgttga agctggcagt 60
 gctagagact agttcctatc tgtgtgacag catttttaat ttaacaggac cgctttgat 120

gttcccaaat atttataaggc agcttttagat catttcagtg tgtgctttct ttttcttctc	180
tctctctctc tctcttttaa ctggagcaaa agttcttcct catgcaacag ccttcctttt	240
atcctgttta gtttattttt gtttcctttg cagctttggc gaaggctgtc tggctgcatt	300

<210> 1683

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1683

tgaagccagg aaaggggggtg ggctaggggg tgctgtttta ggtagagtga tgggaacagc	60
cccactgagc atacttttagc cacatgagta gctggaagaa aagccttcta ggaccagga	120
acagcaagtg caacagccct gagacaggat gggcttgta gtttgaggag cagtgggagg	180
cctgaaccag gttacatggg gccagccag tatggccacg actttgtgtt ttatccagag	240
tacaaaggag cctcactgag ggacaaggga agtggcatga tgtgaccgc atattaagag	300

<210> 1684

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1684

gcggagaaga ggggtagtgg ttggaaggag gaattctcct ttaggaaga tgtctgggaa	60
ggcctctctg agagagtggc ctttgaaagg agacccta atgagaggct	120
gagccatgta agtatctgga tggaaaacat tacaggcgga gacagtgggtg tgtgcaaagg	180
ccctgggaca gggtcacccg tgtaaacatg gcgcatgag ccagcctctc aggaaaagg	240
tctcatgaac aaatgaggaa agcaagtaga ggtagggcag ggaggagag gcaaaggaat	300

<210> 1685

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1685

agcagtatag ccacagcacc aacgaatgag gaagagcaaa atactgcatg acagctttgc	60
taagaattct ttcacttttt ttgtctatca gccaggagct agcaacttgg cttatttgga	120
aattttaagt gtacatatcc tggtccttaaat ccttttac agatttaaag tgcagtcagt	180
ggagggcgag tggtttcgga aaaaaaaaaa aaaaaaagaa aaaaaaagaa aaaaaaaga	240
ttttttcttt ctntnaancg gantcggnat ggggttgat nntttcaang ggggggttaa	300

<210> 1686

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1686

cccaacccca ggtgtgccgc gtgctgcccc tgagagccct gccccgcgct gtgaccccg	60
agatgcgcgc cctgggtgta gactggctgg tccagggtgca cgtaggagta cctgggtctg	120
gctgggtgaca cactttatct ggcggttcac ctgcttgatt cctacctgag cgctggccgc	180
gtgcgtctac atgcctgca gctgctgggc gtggcttgcc tgtttgtggc gtgcaaaatg	240
gaagagtgcg tgcttcccga gccgccttc ctctgcctcc tgagcgcgga ctccttctca	300

<210> 1687
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1687
 ccacactgct gttctcatga tactgagttc tcacaagtcc tgtttgtttt ataaggggct 60
 tttccccctt ttgctcaaca cttcttcctg ccatcatgtg aagaaggacg tgtttgtttc 120
 cccttctgcc acgattgtaa gtttcctgag gccttcccag ctatgtggaa ctgtgagtta 180
 attaaacctc tttcctttat aaattaccca gtcatgggca gtcctttaca gcagcatgag 240
 aatggactaa tacactctc aaatgttttg aagattgttg caccttgga ctaccagtgt 300

<210> 1688
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1688
 agttttggat gagacttggg atggtccatt ctgggacaaa attcctctct ctctctctct 60
 gcggacccgt gaaatctaga aaataagtta tttgcttcta aaatacagt atgggacaga 120
 cataggatag acattcccat ttcaaaagt agaaattggg ccagggtgcag tggctcacac 180
 ctgtaacccc agcacctgta atcctagctc ccaggcgagg tgaggcagga ggattgcttg 240
 agcctgggag atcaaggttg tagtgagcca tgattgcgcc acctttattg gaaactttta 300

<210> 1689
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1689
 ggccaaacta gggcctgctc tgacatccgc aatgtacgtc cactagcagt gcgcaagacc 60
 tcccgcgaga cagggtgttg ttttaatgcc catctcacag atgaggaaaa gatctcaaag 120
 taccttgatt atttaccaca agttcccgac ccaggccttt aaaacttttt atgcatgcac 180
 cgctcttga ccacatcaga caatcaccac aaaacgatgg gctgacagtt actagagggg 240
 tagtaactta tctttaaaag ggccaggtag taaatacttt aggtcttctg gccaaagtc 300

<210> 1690
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1690
 acatacagtt tattattcac aactggggg aggggtgatga ataatgatta tttaatgagc 60
 cctcttccta gttttcccta agtctgcaga agacaaagat cctgtttcca ggccatgaaa 120
 ggactgaagt aaatattgta aataagtaca gctgaccctt gaacaacatg gaggttaggg 180
 gttcagttga aaatctgcat gtaagtggac ctgtgcagtc caaacctgtg ttttaactgct 240
 gaattaaagg tgcttccttc tgctcattga tattacccat atttacaac atgctagaga 300

<210> 1691
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1691
 caaatattaa atattcaatg aatgatagct gcctctactt ctcttttctg tgtttttatt 60
 ttccatttat gtagtcattt atttatttta atgtcttcga aagtattgac ttttaacaagt 120

actttgtgat	gcatttatta	tttcatttgt	tattatttat	gtatttgatt	tatttctttg	180
tgaggtagga	tagaatctca	gtcagatttt	tgctgttagg	ataccacaga	ctggataact	240
acaaagaagg	gaagtctgtt	taactcgcaa	ttctagaggc	tggcgcatct	aagagcatga	300

<210> 1692

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1692

ctgtgttctc	tcaatgacag	agaaatcact	gtggtgctat	gttgggtggaa	cttgctagga	60
actccctctc	atgggtgctca	ggaaagctgt	tcgttgagag	atatctctct	acagtaactc	120
tactatgaaa	ccacccaagg	tgagggttaag	gatgctgctg	cttagaaaga	gatgcagaca	180
aatgtactaa	tgaaggctca	acacagctct	ttcaaggcaa	gacagggtcaa	gaggacaaaa	240
agtaaaagta	tgaagggtct	taagaaatca	ggtagatcgt	aggtgtatgt	gtgtgtgtgt	300

<210> 1693

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1693

gagaggtaat	gcttcatttt	gcatagttgg	gaatcaagat	aatctgtttt	taataataca	60
agaaacaaaa	gcataactat	attattttata	ttacaaaagc	aatcttttaga	aaaactaaaa	120
gggggtatata	agtattgaga	ggagaggaaa	aggaatgata	tggtatcatg	aggtaatttt	180
tgatcaatta	tagtaggaaa	tagacaatat	ctaaaatgga	taaagggaaa	atggcaatat	240
tatcttttta	ttttatatta	ttttaatttt	ttaagacaag	tgctcgctct	gtcgcccatg	300

<210> 1694

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (283)

<223> n = A, T, C or G

<400> 1694

aagtgactca	ggttacttcc	agatgggtgag	gactttctga	agctgtcgcc	cttacaggcc	60
atgacttttc	tctagcactg	tccagattgc	aggtgtcttt	cctgatgcga	tatggggcta	120
tcccttacct	caattcttat	ttcacggaga	aaagaaaagc	aatttttttt	tttttttnaa	180
acanagtctn	attttgtcnc	cnggntaaag	gncagggnc	nnaatntnggt	taanngnanc	240
ntnngcnttn	ggggttaang	cnattttcnn	gentaancct	ccc		283

<210> 1695

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1695

ggccactccg	cctcttccct	cccttcgtcc	cttcttcttc	tccctttttt	ccttcttctc	60
tccctctctc	gccgccaccg	cccaggaccg	ccggccgggg	gacgagctcg	gagcagcagc	120
caggtagaac	tttagacttc	atagcactga	attaacctgc	actgaaagct	gtttacctgc	180
atgtgttcac	ttttgttgaa	agtgaccatg	tctcaagttc	aagtgcgaagt	tcagaaccca	240
tctgctgctc	tctcaggagg	ccaaatactg	aacaagaacc	agtctcttct	ctcacagcct	300

<210> 1696
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1696
 caattacaaa aatggcagca ggagattaat tatgagatct acactgaaat gacttaacct 60
 aaaattaatg tgttggcagt ttgcaatatg ttaaattttg gcattatctc tcttttggca 120
 atataaaaat ctttttttaa aaaacatgac atttgaattg aacatgtgca gaaccctga 180
 agtatgtctg agaaacccta ggttctgtgg catatgagat gaaaaccact gacaaagaga 240
 accagatatt acatatgttc actgcatttt cacatcaaga aggcttggga aaagggctag 300

<210> 1697
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1697
 cagttttgct gtacctcttg aaagttaaag agacatctca gcactttagg aggccgagggc 60
 ggggtggatca cttgaggaat aaccaggcca tacggagtta ggagctgaag ggacacgatg 120
 agaagtgacc agaaggttaag agtgtgagcc ctctgtcacg cccagataag cgcaactaga 180
 ggactccttg gtctagtggg aacgccagtg cctgggaagg cacctgttac ttaagcgggg 240
 aagggaatct ctttttccct ggaggaatta gagaacactc tgctccacca cttcttgtgg 300

<210> 1698
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1698
 gcttcttgtg ttggaggaaa cttcagatac ttcatttact ccagagtgcc cagagattcc 60
 ccagtcggaa aggatagact gcacacctga ccaggaggta accgaggata tctgcagatg 120
 gcaatataag tgctgtgggt cgctgtggc agatgccaat gtccctaggt gcttcttccc 180
 ctggaactgg ggctatgaag ccagcaatgg ccatacaaat acaagcacag gatttactgc 240
 ccagctgaaa aggttgccat caccatctct gtttggaat gatgtcgca ccaccttct 300

<210> 1699
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1699
 gccatacttc ctgccttcca ggaacaggga caccagtgtg actggagcac agtgagcagt 60
 ggggtcggac cggacaccgt cgccaggccc tgtggggcct tgttgctatt gcaagggtt 120
 cggtttggac tgagagttag cagagaagcc tgtagagag tttcaaataa agatgggaca 180
 tgatctggct gatgttcttg gaggacatgc tgctgtgtg tctcatgaga atagactgaa 240
 gcggggaaga gtggaagtag gaaaaccagt tgggaggctg ttgtaacctt ggtgagttag 300

<210> 1700
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1700
 gatggacagt ggcactcggg ggcagtcacc ataaaacaga gactgctttg gtgtgaccga 60
 cgttgaggtc ccacctgccc cactgtccat agaggccgtg acctttcctg cctccaggta 120

aacacataag	tgcttcccgg	gctgacttcc	gatgtgtatt	aggatcccag	tgagacttct	180
tgggcggatg	ctgaaaacaa	gcttaaattc	tggccccaac	aatacagagt	gagccaagac	240
gacatgacct	ccttcttcag	agaaataaat	gcctttctcc	aaagcctcta	gaactatagt	300

<210> 1701

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1701

ggcattcaca	ttttaatatt	ccttggatga	acatggcatc	atatgattag	aaaacaaaaa	60
ttcatTTTTg	atggctgttg	tggtcagatc	gtgtcctcta	aaattttatg	tgctggaaac	120
ttaatttcta	gtgtcaacag	tgccgagagg	taggggcttt	gggaaagttt	aatggattaa	180
tgccacata	taagggttg	ttggagggaa	tttgggctct	ttgttgcccc	ttccatcctt	240
tctacatgt	gaggacgcca	cactcctccc	ctttggaaga	tgagcaaac	aaggtgccat	300

<210> 1702

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1702

ctcgacttaa	ggcaaagcag	gagaagcgct	cagagaagga	cacgctcaag	accagcaacc	60
ctctagtctt	agaagaggca	tcagccagcc	aggcaggcag	cagaaaggag	agtcggttgg	120
aatcatctgg	caagaacaaa	tcctatgatg	tgcaattga	gaactttgat	gtgtcttttg	180
gcgatagagt	actgctggct	ggagcggatg	tgaacctggc	atggggccgc	cgttacgggc	240
tggtggggcg	gaatgggttg	gggaagacaa	cgttactgaa	gatgctggcc	acccggagtc	300

<210> 1703

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1703

ggaaacttcc	agtttatacc	tggtgtacct	gtgtaattat	tggtagnact	cccttccacc	60
cttacaatgt	cttggtttgg	atgatatatg	gtgaagtttt	tggtgaaact	aaattatgaa	120
gtctgatata	tttgataaaa	aataaagaat	tgcttttctt	ctccttttgc	tgattttttg	180
acacatcatt	ctaagcaaaa	tcctctcagc	ttcgtatatt	tcagcctgaa	gtacttctta	240
ccaaagtgtg	ttcatgtaac	atttgttcaa	tatgttcgtg	acatgtctct	cagtaatgaa	300

<210> 1704

<211> 287

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (287)

<223> n = A,T,C or G

<400> 1704

tgtacataac	tatttaaatgc	agcggcagcg	gcgacagcct	tccctgagag	gacttaaaaag	60
cagaaggaaa	ccgagatgct	tcccgagccc	gtggacgatt	ctccaggact	ctttttttac	120
cttgagcact	tgccctgtga	gacttcatag	aacagtgggt	tactgtcccc	cccttctcac	180
ctcctcattc	tctctggctc	tttctgtctt	cctcttctca	ccctcctccc	tccccttagc	240
catcacttct	gggaagtann	nnnctgacct	aaaggtttta	gattcnc		287

<210> 1705
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1705
 gggatcaagt ccatcaggtc ccaggaaagg cgtgaatggg agtctgaagg ggagaaatgg 60
 aactgcaaat aattatttgg aattatttat ttattttatt atttatttat ttattttttg 120
 agactccatc tcaaataaat aaattaaaaa aaactgctcc aaacaaaaag atataactta 180
 ctttagtgca taattctaaa cgggtgtttt gctataaagg gcatcattgg gataaatggg 240
 gaaacttgaa tgggatctga gaattacatt taacttttct gtaactttgt gcttatttca 300

<210> 1706
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1706
 gtcagaggtc aacaatgagt atgtggcaat aacaggattc aaaccagat ctgttagctt 60
 ccaaagtcct tgggtcttaca tgctaccac tagttccttg gagggggctc cggaccatgg 120
 aggtcacaca ccagtgtctc gagtgtggtc ctcacagcac ctgcatcaac atgaggttgg 180
 gatttgatta aaagtggatt tctggggcca cccacattct gaactctaaag ttctgggtgt 240
 ggtttttagga acctgtgctt ttaacaagta cccttagtga tttatatact tactaaacac 300

<210> 1707
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1707
 gagcagtaag gtcaatttct agtctgctct tgtttccgac ttgtgaaaat aagctgttaa 60
 tttacattgt ccagggtgagg gagaccacct ggggagacag ctgttttagaa acaaaaggaa 120
 agatgggttt tgtttggtg gctcagtttc aaagcttaat tttccctttt tttgtagtga 180
 gtttgatgac ccaagatttt attttccctt tacaatcaca tgggaatggca cccattttatt 240
 tagaattgtt tctctactgt ctcctcactt gctggagact gtgagcagct ttatggctct 300

<210> 1708
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 1708
 attacaacaa tatggatagt agggaggagg aaaacaagag gagaatggga tcaacagaag 60
 gcatatatgg ggagtgtctg gatggctgga aaattccatt ttttgaccaa gatgtggtaa 120
 acacggggag taaagtata attttttctc ttactgtgct tttaggtttt gttgctttct 180
 gtctgtatgc tgtgttccac aataataaaa atatttaaaa ggcaaaaaaa agtaaaataa 240
 tgaatataaa attacactga aactacatat tctcatagat agaattgtaa ttatta 296

<210> 1709
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (226)

<223> n = A,T,C or G

<400> 1709

gaaacactga	aatgtatact	tttaagtggg	tagatTTTTat	ggattgtgaa	atacagcaca	60
aagctgagaa	aaagggaaca	gaaaattatc	aaagtcaaac	cctacacaaa	gttattagaa	120
gagaaaaaca	ctacagaaaag	acacgctcaa	aaaaacagaa	caaatctgaa	acatggtaag	180
acccctctcc	acaaaaaana	naaaaaaaaa	angnttttaa	aaacnt		226

<210> 1710

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1710

agcctctgat	catcaagaca	tggcagaata	caaagacaag	tcacaggcta	gctgaagata	60
tttgcaatac	ataaatccag	caaagactta	tatccagagt	atataaagaa	gttctgtaaa	120
tcagtgagaa	aaaagacaaa	ccccccaatt	aagaatagtc	aaaagatttg	aacaggcact	180
tgacaaaagg	ggggtattga	aatggccaat	aaacacataa	tcattactta	tcacagaaaa	240
gcaaattaaa	aacagaaaga	gataccacaa	cctcctcccc	agaatgtcta	tatggaaaca	300

<210> 1711

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1711

gaaacagttg	gctattcatc	atcttcggca	cttatgacaa	cattaacaca	gaatgccagt	60
tcacagcag	ccgactcacg	gagtggtcga	aagagcaaaa	acaacaacaa	gtcttcaagc	120
cagcagtcac	catcttcttc	ctcctcttct	tccttatcat	cgtgttcttc	atcatcaact	180
gttgtaacaag	aaatctctca	acaacaact	gtagtgccag	aatctgattc	aaatagtcag	240
gttgattgga	cttacgaccc	aaatgaacct	cgatactgca	tttgtaatca	ggtatcttat	300

<210> 1712

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1712

ctaaaagaaa	atttatattc	taatttttat	ttgttgcccta	tgtttcataa	tttttaattc	60
aaggctcttt	tagaaatggt	tgtagtcca	aatgagtgct	cacaatatgg	taaacacatg	120
ggagatttct	ttttttttaa	attttatttc	catacgttat	tggggatcag	gtgggtgttg	180
gttacatgag	taagttcttt	agtggtgatt	tgtgagattt	tgggtgcacc	atcacctgaa	240
cagtatatatac	tgactccag	cctgggcaac	agagcagact	ccatctcaaa	acaaacacac	300

<210> 1713

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1713

cacggccagg	ccagctgtca	ggaaacaggg	gctctaggcc	cagcttcacc	acttaggagc	60
tatggctttg	ttcagaaaca	ttgtgactct	cttaccacaa	cattcctctg	ctggaagggg	120
agattgacaa	accagcatca	tctctaattt	actacaaaag	ccctcactgg	aaattattct	180
taacttagca	gctggtagga	tccattaaaa	aaaaaagtaa	gttagactgt	gttactctgc	240
tgctcaaagc	cctgcagtgc	ctcctcattt	tacctagcgt	aaaacctaaa	gtcctttcca	300

<210> 1714
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1714
 cccttctgag cctgtccatt catcggtggt tctgccccta ctcccccagc cctaaatacc 60
 ccagctgctg ttccctccca tcaccagcc accggattct ccattcaccc ctttctctca 120
 cccctggagc cccgtgggtg ggggcagggc atgagttccc cagtcccaa ggaaaggcag 180
 cccctcagt ctcctctctc ctcatctcc tccatctccc tccctctgc cttttaaac 240
 catccctcc gattccctc ctccccctc tctccctggt gtcaactcga ttctcgcggt 300

<210> 1715
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1715
 atgaccttct gcctgttcta tctctgagga cagtgtgat tggatttagg gcccatccag 60
 ttagtccagg atgatctcat ctcaagatcc taaatctgat tacaattgca aagatccttt 120
 ttccaaataa ggtcacatgc acgtaagttc cggggattat gcttgcggtg gacacatctt 180
 ttttgaggcc accattcaac ccactacaaa atccaactga agcccagcga agtggtcat 240
 gcctgaaatc cccgcactgt gcgaggccaa ggcaggaggg tcacctgagg ccaggagtgc 300

<210> 1716
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1716
 ggagatttca acttaacttg accactgcac tccagcctgg gtgacagagc agagcaagac 60
 tgtgtctcaa ataaataagt aagtaagtaa gtaaatactc tgtaggtatc tatgtgactc 120
 aaggctagtc actttcctat ctatgctcca gttttctcat atttgagaca agagacttga 180
 ttttagcata aaggtgagag ttgaagtaat gagtgtgaaa gaggaaggag agaaaacata 240
 cagagaagag cagaaaacac aagcagctgg taggcagaga atgcagaaat tcaagttaga 300

<210> 1717
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1717
 cagagttttg agcagagaag tgacactatc agacttaagc attaaaagaa ttgtccaatg 60
 aatggctgtg ctgaaaatat atttgaggta aagtaagcta gaggcagggg tattgaaatc 120
 aggctaagag atgtttgtgg tttgaattaa gtggtagcag gaggtgttaa gaattagtca 180
 cattgtgtat gtattttgaa ggtacaacca acaggatttc caggcaagat agagtgtgat 240
 gtgaaaaaga aagaaaggag tcagtagtga ctcaggagtt tgtctgagca tccgaagtgt 300

<210> 1718
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1718
 ctgagacctc gtctctataa aaacaaaaca acaaaacata aacaacaaca acaataact 60
 atgtgataag cattgggtta ggcactagaa aatagtgtc aaacaacaac aacaacaaca 120

aaacatgatt	cttgtctcaa	agaatgcaca	atgttgggga	aagacaacta	aaaagtaata	180
aaacataaag	tttgaaggat	attatgatag	aggaattata	ggatacgttc	aatcatttga	240
aattttttgaa	tgtcatcctt	ttgggtggag	caccgagagg	gtttgtgaaa	aagcttcccc	300

<210> 1719

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1719

gagtggatat	gttcgtggag	acactgtgga	aagtctggac	cgagctcttg	gatgttcttg	60
gacttgacgt	ctccaacctg	tcccagtatt	tcagcccagc	ctcgggtgtcc	agcagcccgg	120
cccgcgcgct	cctgctggtc	ggcgtcgtcc	tcctggccta	ctggttcttg	tccttgaccc	180
tgggcttcac	tttcagcgtc	ctgcacgtgg	tgttcggccg	cttcttcttg	atcgtgcggg	240
tcgtcctgtt	ttccatgtcc	tgctgttaca	tcctgcacaa	gtacgagggc	gagccggaga	300

<210> 1720

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1720

ggccagcggg	tcgtgcgag	tggccttgaa	ggcagctgct	gcaggtgaag	agtaggcggc	60
ggggcagaga	gcggcctccg	agggtcacct	gaatgggtga	gcatggaccc	tggtgctacc	120
cacagctgcc	atctgctcca	gcaactgcat	gagcagcgaa	tccaaggcct	gctttgtgac	180
tgtatgttgg	tggtaaaagg	agtctgcttt	aaagcgcata	agaatgtcct	ggcagcatte	240
agccagtatt	ttaggtgggt	attttagact	tcattctcct	agctgtgaat	taagggtaaa	300

<210> 1721

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1721

gcacaagcca	ctgtgcccgg	ccaatactgc	aaaatatttt	aaaagcttaa	aattatctct	60
tctggctggg	catagtggct	cacactttta	atcccagcac	actgggaagc	tcagtcagaa	120
ggattccttg	aggccaggag	ttcaagatca	gtctgggcaa	cacagacccc	atatctccaa	180
aaaaataaaa	ataaataaat	aaaacagtta	tcaggctggg	agtgggtggc	catgcctgta	240
atcccaccac	tttgggaggc	tgaggcaggc	agatcatgag	gtcaagagat	caagaccagc	300

<210> 1722

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (276)

<223> n = A,T,C or G

<400> 1722

ggaactccag	gcttgccact	acccaacccc	agcctggctc	tgaaaatggt	aattgactgt	60
caggacgggt	tggtggggcg	ggggcgaggt	tgcatgtagt	gagccaagat	cacaccactg	120
cactccagcc	tggtgacagt	tcgagattct	gtctaaaaaa	aaaaaaaaaa	anntngnnc	180
tttaaanctn	tagggngncn	nnttacgtaa	atccanacnt	gataanannc	nttgatnagt	240
ttggacaanc	cacaantaag	aangcntnga	aaaaaa			276

<210> 1723
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1723
 acagagcgag actccagttc aaaaaaataa ataaaaatta aaaaataaaa taaaataaaa 60
 aatttactag gcatccagca ttcattaagg agaataattc agttaaggag gaaaagaatt 120
 ctgggattct gggaatttcc ttaaccaata aagagtatgt gtgagaaacc tactgctaac 180
 atcatactta atggtaaaag tccaaagatc agcaaaaaga ggatacctgg tctaaacact 240
 tccactaagc attatactgg aagttctagc tagtgcaata aatgaaagag tacaaagtat 300

<210> 1724
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1724
 ggaaggaggg tttaagggaag agactgtgga cagaggtgtt agggaagggtg tcagagaagg 60
 ttaaggaggcc aacatggatc atgggggtgg tacagtgttg ccagggtctgg ggaggattgg 120
 ctgcagtgtg ggggtaccag ccgctgccat gtggagaggg acctgtcact cctgctgtga 180
 actctccctt cttctgccct ctgacctcct gctgggtgcct cccattggct aaacacagtt 240
 gatggccagt gcactgggga gctgttcttg gagccacag gcattctgctt cttggcacag 300

<210> 1725
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1725
 ggtgattggg ctggttctgt accgggtgta ctccgtgggg ggccgtgatc tggcaaagcc 60
 ttggagggtg gactgtggag gcaccattga ttgaactgtg tccccgcag ttcacatgtt 120
 gaggcccaa cccccagtgt ggctgcattt ggagtagggc agtaattatg gttaaattgag 180
 gtcgtatggg cgggtgctga tccactagga ttaggatcct tataagaacc tgccaccttc 240
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<210> 1726
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1726
 caaagctgtt ttataaatta gggagaagag tgaggagaga ggaataggat agacgaaggt 60
 agagagaggg agcagtggag aagaaaacct cagagtgagg caaaggaaga ggtgtgaagg 120
 ggaaaagaag tggcgatggc agggaagagc ccctggccat gagagagact ggggggagtg 180
 ggaagggaag gaagttatgg ggcagggggc acagagcaga gaacaagaga gtaaggctag 240
 agagatgaaa gaaacagtga gactgagcta agaagagcga tctcacgctt aagagacaga 300

<210> 1727
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)

<223> n = A,T,C or G

<400> 1727

ccccctctcca	cattgacctc	tagagtggcc	tgtccaactc	ctaagtccaa	ccttcccaca	60
ccggacagaa	agctttttac	tggccccgtt	gtcccggt	gaggcctaaa	cacttgatga	120
tgatgaagat	gaagatgtga	tgatggtagc	catcacacag	ctctcccatg	taaccctcac	180
gacaaccctg	caaggcaaat	agcatcacca	tccttatttg	gcaaataaaa	agctgatggc	240
tcagagaagg	taaatgactt	gcccaangng	actgagccag	tattgccaca	nacaggctcc	300

<210> 1728

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1728

ctccattgtg	aagatccagg	catttttccg	agccaggaaa	gcccaagatg	actacaggat	60
attagtgcac	gcacccacc	ctcctctcag	tgtggtacgc	agatttgccc	atctcttgaa	120
tcaaagccag	caagacttct	ctgctgctgt	gatctgcaca	ccctccaacc	tgggcaggga	180
ctggggggat	gcagtgtgtg	ttagtgccca	tgtggcattg	tggcactgtt	gcccccatg	240
gcggcatggg	caagatgacc	ttccattagc	ttcaagtctt	gttctcttgt	ctgtggtctg	300

<210> 1729

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1729

gatctctttt	gaggtgatgg	tgctggccga	gctgtttctg	gagatgctcc	agagggattt	60
tggttataga	gtttataaga	tgctactgag	ccttcctgaa	aaggctcgtg	ccccacctga	120
acctgagaag	gaggaggcgg	ccaagggaaga	agccaccaag	gaggaagaag	ccatcaaaga	180
ggaggtgggc	aaggagccca	aggatgaggg	acagaatgag	ggcccggtta	cagagtcaga	240
ggccccgctg	aaggaggatg	ggcttttgcc	caaaccactc	tcttctgggg	gagaggaaga	300

<210> 1730

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 1730

agacaatccc	aaatatttgg	agattgtctt	aactggttta	gtgtagctat	aaaagaatac	60
atgaagctgg	ataatttatg	aagaaaagag	gtttatttgg	ctcacagtgc	tataggctat	120
acgagatgca	tcattgccacc	attttcctgg	agcccttcag	gaagcttcca	ctcatggcag	180
aaggtgaagg	gcagccagca	tggtcagtga	tcacgtgggtg	agaggggaagg	caagagagan	240
aanagggagg	ggnccagctc	tattnagtac	c			271

<210> 1731

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1731

cagttcacag	tattaccctc	agtgaccag	aattccttcc	tatccatata	ctcaccagca	60
cttggtactg	aactctagtt	tttgccaatt	tgatgggtgt	gaaatggcat	cttattgtga	120
ttttaattt	ttctcattac	ttacaaagtt	catcatgtct	cctagccctt	tgggtttcct	180
gttcaatgtc	aatttcctat	ttatgtattg	gcccacataa	aaaatattgc	atagtctatt	240
ttaaaatgat	ttataggggc	tctttacata	ttctgggtac	taattattcc	ttatgtgtga	300

<210> 1732

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(295)

<223> n = A,T,C or G

<400> 1732

ctggacgcct	ntaatgcan	aanngncccc	ngtttaacag	accngcaa	at	ccggngcg	60
aacangacc	nnnggtttcc	tnttgntccc	tngtngggg	gcggtggntg	gggctgtncg		120
gccaanng	ganttgn	ttttangntt	taaaaan	g	g	cannnnnnng	180
ttttttttt	ttttttttt	tttttaattc	tgaaacagac	ctgttttgta	ccgagttatt		240
tttgggataa	attttactgg	ttgctgttgt	ggagaagggtg	gcgtttccac	ctttt		295

<210> 1733

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1733

atgggggtata	gatgggttttc	ccctgtgtga	ctctagtaaa	tttctatgcc	atttctccta	60
tcgatctgcc	ttttgtcagt	tgattttttca	gcttaacttc	agagagcaaa	ggggaagggtg	120
gccaagtgc	gtgtctcatg	cctgtaatcc	cagcactgtg	ggaagctgag	gcaggcagat	180
cacttgaagt	caggagttca	agaccagcct	ggccaacatg	gtgaaaccct	atctttacta	240
taaagaaaaa	taagtcagat	gtggtggtgc	acacttgtaa	tcccagctac	tcaggagggt	300

<210> 1734

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1734

gggggttccc	aatagtagaa	agggtcccca	ttcctgtctca	gcaccgcacc	tctctacccc	60
cccacagaca	cacatgcaga	cacacacatg	cagacaacac	gcagacacac	acatgcaggc	120
actcacatgc	aggcccatgc	acacacacgt	gcacacacat	gcagagacat	gcagacacgc	180
aggcacacat	gcacacatgc	aaagacacgc	atgcaggcac	acgcagacgc	acacagagac	240
acacatgcag	atacacatgc	acacacacat	acacacactg	gccctgtttt	ttctgtggtg	300

<210> 1735

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1735

gcttgatcgt	ctgggcctgt	gtttcagctg	ggataggatt	ctcaatcctt	cttggttcaaa	60
tccgaagtcc	agaaagctct	gaaaactgaa	agttttttca	taattttattt	cactgtaaaa	120
cctgaattga	actgatattt	atctcactaa	aaatgattat	tcatatattt	tactgtaaga	180

atagtaaaat taccaagtaa tatcccagac ctagttagat aaatgcacta ttttctttta 240
atttcaaaac aatcttaatt ctgaggcaca tttggctgac agcatttcag ataagggatt 300

<210> 1736
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1736
tcctatttta cgtggttggt gagaggatcc gatggaatga ctactgaaa gtgtttgtaa 60
aagtcaggat aagtaaagca atgctgcagg aacaaacaat ccccaaattt cagcagctta 120
ctacaaaaaa atatgtattt ctactcatg ttcattgtcca atgtgtgtta gcaaggagat 180
actgtctctc acagtcatgc aagacccctt gctggggaag ctgcacctcc atatatgctt 240
ctaccatcac cagggcagag gagagggagc atggtggatc atacactggc tcttaagact 300

<210> 1737
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1737
atttcttgag gtctccccag ccagggtgaa ctgtgagtca attaaacctc tttccccaat 60
aaattaccca gtctcgggca tgtctttatt agcagtgtga gaatggacta atacaagtac 120
cattaataaa tttcacaacg tagattaaat gtgcaaattc cttgaaagac acaaattaaa 180
aaatgacctg agaagaaaag aaacttgaat agatctgtat ctattaaaga agttgaaatt 240
ataattagaa accttttgaa cattagaact ccaggcccct tgttgtgaat tctatcgaa 300

<210> 1738
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1738
gcctgtagtc ccagctatct gggaggctga ggtgggagga tcatctgagc ccagtagatt 60
gaggttgcaa tgaatcatga ttgtaccact atactccaac ctggacaaca gacgagacc 120
ctgtcgcaaa caaacaaca aataaataac ctgggcaaca gagcgagatc ctgtctcaaa 180
taaataaaca aacaaaagta gcagattagc tgggcgtggt gttgcatacc tatagtccca 240
gctgcttggg aggctgaggc agaggatcac ttaaacccaa gaggatacag tgagccatgt 300

<210> 1739
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1739
gtttaagtct tgtagctgta tagcattcca ttgtataact tataatttat ttatggggtg 60
tactattgat gaacatttga gtagcttcca gtttggaact accacatatg gtgctgttat 120
gaatactttt gcacaggatg gtgaacacat gtacacattg cagttggtat atatacagta 180
ctgaattact ggcttataaa tatcattaaa ttttaaaaac aaaattaatt gccacaagca 240
tattattgta tctttgaatt ttaaaccaaa ttaaaaattc tatgagttgt tgaatattat 300

<210> 1740
<211> 300
<212> DNA
<213> Homo sapiens

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<210> 1741
<211> 300
<212> DNA
<213> Homo sapiens
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<210> 1742
<211> 300
<212> DNA
<213> Homo sapiens
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<210> 1743
<211> 300
<212> DNA
<213> Homo sapiens
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<210> 1744
<211> 300
<212> DNA
<213> Homo sapiens
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396

gggatgact	ctgaagctgc	gtgcaccctg	ttcattcaca	ttttcttggc	ctgaacttag	180
tcactaggct	attcctaact	gcaagagaag	ctggaagatg	tagtcttcct	tctgaccagc	240
catgtgctca	accacaaatt	gagtttcagt	tattggaggg	cagaaagaat	agatatgggg	300

<210> 1745

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1745

aagtctcact	ctcatttgtg	ctttctccat	cccatttccc	ttcccccttt	aggcaaccat	60
tttagctgac	ttcttgttta	tcttgccagt	gtccttccat	gcaaatatgg	gcataatattc	120
tttcttcccc	cactttcttg	cataaaaggt	agtgtatcat	gtatatactg	ttctgcacct	180
tgattttttt	cacttgacat	gtcttagaaa	tctttcctta	tcagtgttta	tagaccatcc	240
tcattctgtt	gcatagcaaa	ggtgattata	ttcctgttac	ctttgggggt	atggcccatc	300

<210> 1746

<211> 183

<212> DNA

<213> Homo sapiens

<400> 1746

ctactgagcc	tggcttgcaa	ctggggtgag	ctccaccttg	aacgtcgatc	ctcctgcttg	60
gtggagccat	cccagctgat	gccacatgaa	gcagacacaa	gctgtcccta	ctaagctctg	120
ctcaagtggg	atattcatga	gtgaaataaa	tgactgttac	taagtaaaaa	aaaaaaaaaa	180
aaa						183

<210> 1747

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1747

gagaaacact	cagggcctga	accaaggaat	taactgtgat	tggagaggag	aggcagcagc	60
cacagaaggc	acaaagaagg	tggaaatcacc	caaaccatttg	tcagattgag	gggtgagggg	120
gcatgagaac	tccaagatta	cactcagggt	tctgtctttg	gtgcctttta	aaatttttaac	180
caaagttgag	aatttactgt	atgctgggga	ctctataaga	ggctttatct	ttattatgtc	240
tgtaaatcct	tgcaacagcc	ctgtgagagg	tatttttgcc	ctcatttgat	ggataacctga	300

<210> 1748

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1748

atatgcacat	tgtaccaatg	gcagactttt	ggctttgata	ttgttctata	attatgtaag	60
atgttaccat	tatgggaaac	tggaggaagg	gcataatggg	cttcttttga	ctgctttttc	120
tattccctgt	gagttttata	ttattttata	ataaaagtgc	aaaaaacactt	attggatgga	180
catcacagaa	cataatagaa	gaaagaatca	gtgaattata	ggtctgttta	atagaaatga	240
ctcaaaactga	cacacaaagc	aaaaagaatg	aagaaaacag	aacacagtgt	ctgagacttt	300

<210> 1749

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1749

cctgcctccc	attctatgca	aagtcacccc	tccgggcact	gagataaatg	cttatcta	60
tgccctcttt	ggagaggctc	atcagaaact	caaaataatg	caaccatttg	actctcacct	120
acctgtgacc	tggaagatcc	ctctctgctt	gagttgtcct	gcttttctgg	atggaaccaa	180
tgttcacctt	acatatattg	attgatgtct	catgtctccc	taaaatgtat	aaaaccaagc	240
tgtgccttga	ccaccttggg	cacatgtcgt	caggacctcc	tgaggctgtg	ccacaggcat	300

<210> 1750

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1750

ggaatacttc	ccaactcatt	ttatgaggcc	agcataactc	gtatcaaaac	ctgacaaagt	60
cattacaaga	aaagaaaatt	acagaacaat	attgttagtg	aataaagaag	caaaaatcct	120
caacaaaaca	ttaacaagt	aagtaaaca	tatataaaag	gataatactg	catgaccaag	180
tgggtgtggt	taataatttc	aggaactcaa	catcagttta	acatttaaaa	aaatcaacat	240
aattattatta	ataaaataaa	ggagaacaat	aatatgatca	tctcagtgtg	taaaataaaa	300

<210> 1751

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1751

ctagcaactg	ttccagatga	gcaggattgt	gttactcaag	aagtgccaga	ctcccgccag	60
gcagaaactg	aagctgaagt	gaaaaagaag	aagaacaaga	agaagaacaa	aaaggtgaat	120
ggtctgcctc	ctgaaatagc	tgctgttcct	gagctggcaa	aatactgggc	ccagagggtac	180
aggctcttct	cccgttttga	tgatgggatt	aagttggaca	gagagggctg	gttttcagtt	240
acacccgaga	agattgctga	acacattgct	ggccgtgtta	gtcagtcctt	caagtgtgac	300

<210> 1752

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1752

gttaaaagaa	taaaaaagaa	taattgaagc	cttcgagaca	tatgggatac	tataaagcca	60
ccacatattt	gaatcatttg	ggteccagaa	gacagagaac	aaaaggattg	gaaaactcat	120
ctattttttt	gttattaaat	aatagatgaa	aacttcccaa	atctatcaaa	tgatttagat	180
atccagaaac	aggaggctcc	aagatccgca	aacatataca	atgcaagaaa	gtcttctcct	240
tggcacatta	tagtcaaact	atctaaagtc	aaagacagaa	ttctgaaaaa	ggcaagagaa	300

<210> 1753

<211> 295

<212> DNA

<213> Homo sapiens

<400> 1753

gcctcaggag	gagctcaaag	aggagcagac	agccatgggt	cctccagcca	tcctctctcg	60
gcgctgcaga	tactgcctgg	tgctgcagcc	cctgagggct	cggcactgcc	gtgagtgcg	120
ccgttgcgtc	cgccgctacg	accaccactg	cccctggatg	gagaactgtg	tgggagagcg	180
caaccacca	ctctttgtgg	tctacctggc	gctgcagctg	gtggtgcttc	tgtggggcct	240
gtacctggca	tggtcaggcc	tccggttctt	ccagccctgg	ggtctgtggt	tgtgg	295

<210> 1754

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1754
 gaagagaact atctaaatga gtaatgggtca agaaatttta aagcataatg acatgaaaca 60
 aacaaccggt ccaggaagct cagagaatac aattcatgac aaacaacaaa aatacagcac 120
 cagacatagc atttcctata tgtagaataa aagaaaataa aataaatcaa taaatagaca 180
 aagagaaaaat cttgacagaa tctggaatga aaactacatt ccttgtagag aaaaaagagc 240
 aaggatttca gcccaacttc agtaagaaac caggcaagaa agaagagagt tgcgggaaat 300

<210> 1755
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1755
 aataattatg ctgaatgaaa gaagccagac agcaaaaatt tcctactgag tgattccatt 60
 tatataaaaa tctagagaat gccaatagc cttagtgtaa ataaagcaga acagtaattg 120
 cctgtgacag ggtgggaaag atttggactg gaagcagggg ttaccaagag gggtagagaa 180
 acttttgaag gtgatgaata tgtacattgt cttcattgct ttgatgggtt tacagggtga 240
 tatgtaattc aaaatgatca aattatacac tttaaatatg ttcagtttat tttatagaat 300

<210> 1756
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (294)
 <223> n = A,T,C or G

<400> 1756
 atatgctyag gtcctgggct ccagtacctc agaatgtgac tgbatttgga gatggagaaa 60
 cagccttcaa agaggtgagt aagttaaact gaggttggtta agatggggccc gcaaccaatc 120
 tcaccggcat ccttagaaga aaaggagttg gagacacaga gagagaggct agacacaggc 180
 acacgtgaag ggacggtcag gggaagcggc agcgagaggg tgctgtctac agccacagag 240
 aggccctga ngagaccaac gctgccgna ccatgatact ggactgantt accg 294

<210> 1757
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1757
 tgattctgga acagagtgca caccaggaga atctaagaat ttgggtcaaa aagaaaatgg 60
 caattacatc atattctcta ctatattttc ctgtgtattc aaaagtatct ttttgaaaat 120
 ggaagggtag atgacatttt ctccgatctt tattatgttc ggttcacgga gtggctacat 180
 gaagttctga aggatgttca gcccgggtc actccacttg gctatgtctt gccagccac 240
 gtgactgagg agatgctatg ggagtgaag cagcttgggg ctcaactccc ctccaccttg 300

<210> 1758
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1758

ccgaccccc	aggaggccat	ccagcggctg	cgggacacgg	aagagatgtt	aagcaagaaa	60
caggagtcc	tggagaagaa	aatcgagcag	gagctgacgg	ccgccaagaa	gcacggcacc	120
aaaaacaagc	gcgcggccct	ccaggcactg	aagcgtaaga	agaggatatga	gaagcagctg	180
gcgcagatcg	acggcacatt	atcaaccatc	gagttccagc	gggagggcct	ggagaatgcc	240
aacaccaaca	ccgaggtgct	caagaacatg	ggctatgccg	ccaaggccat	gaaggcggcc	300

<210> 1759

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1759

cccatgtccc	gcccgtcgt	ctgcctggct	gcgggggtgac	acgggggttc	gccttgggaa	60
gggggtcagg	gaagcagtta	gacggctgcc	gggcggcgcc	tgccgcgcgg	cacacaatat	120
ttatttaatt	gcccactac	cactgatgaa	gatataattg	agtgactgct	gaaattgcct	180
ttttgtttt	aaccagagga	cagtcatttt	gtttcacttc	tttttgcttt	ctttactgct	240
atgagcttta	ctgaacggct	gaaaaacttg	gaaaataaaa	tggacatgct	gtagtcttga	300

<210> 1760

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1760

atcagtatga	actcttaaaa	catgcagaag	caactctagg	aagtgggaat	ctgagacaag	60
ctgttatgtt	gcctgaggga	gaggatctca	atgaatggat	tgctgtgaac	actgtggatt	120
tctttaacca	gatcaacatg	ttatatggaa	ctattacaga	attctgcact	gaagcaagct	180
gtccagtcac	gtctgcaggt	ccgagatatg	aatatcactg	ggcagatggg	actaatatta	240
aaaagccaat	caaattgtct	gcaccaaaat	acattgacta	tttgatgact	tgggttcaag	300

<210> 1761

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1761

ctaaggaaa	ggcctagggc	caaggcaggc	taaatgccac	tgggtcttt	gttattgggc	60
ttttattatt	ctgttggtct	gttccaccac	cccagtggtg	gttaataggc	caaattttgt	120
aaacattttg	aataatttgc	cctgtaaaat	gagttcctta	gtcactgtga	agctcttgag	180
agacttccca	ggttgatata	atttttccag	taaggtttaa	ctactgccat	tgctgtgacc	240
tatcaagaag	aagggtgtta	cccagtttga	aaacatgcaa	atcataatta	gtacgtgctg	300

<210> 1762

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1762

ggaagtacaa	attaagatca	cagtgaagata	ccattatcca	cttgtcacaa	tggtataaat	60
aaacaatagt	ggcaatacca	agtcctgtga	aggatgtgga	gaaatggatc	acttatacac	120
tgctggtggg	catgtaaaat	ggtacaacca	gtctgaaaag	cagtttggca	gtttcttata	180
aaagtaacaa	tgtaattata	tgctgtgggc	tgaatgtcct	ccaaaaattt	atatgttgac	240
acccaacccc	tcaaggtgat	ggtttttagga	gggtaggccc	tttgggagat	tagtttctga	300

<210> 1763

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1763
 gctcaaacaa tctgcccacc tcgtcctccc aagatgctgg gattacagtc atgagccact 60
 gcagccagcc tacattttta aatggttgga aaatcaaaag attatttgat gacatgtgaa 120
 aatggtataa aactgtgaaa tctattgtcc ataagtaaag ttttctttga acacatccat 180
 gctcactcgt taacttattt tccatggctg ctttcatgct gcaatcttgt ccctgccctt 240
 aaagagctaa ggggtctagta gagaggcagt aatggtgtga gataatggct aaatggaagc 300

<210> 1764
 <211> 94
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (94)
 <223> n = A,T,C or G

<400> 1764
 cccctccagc ccccaaacat agcttcaaaa ccttccttgc tatttggttct tnggmngggg 60
 ggnnttttta ataatcgctn ncncgncccc nnac 94

<210> 1765
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1765
 agaaggcagg aatgtcaggc ctctgagccc aagccaagcc atcgcatccc ctgtgacttg 60
 catgtatacg ctcagatggc cagaagtaac tgaagaatca caaaagaagt gaaaaggccc 120
 tgccccgcct taactgatga cattccacca ttgtgatttg ttctgcccc accttaactg 180
 agtgattaac cctgtgaatt accttctcct gggtcaaaag ctccccact gagcacttg 240
 tgacccccgc cctgcccac cagagaacaa cccctttga ctaattttcc attaccttcc 300

<210> 1766
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1766
 gacatacgag aagaaattaa atgtgacttc gaatttaaag caaaacaccg aattgctcat 60
 aaaccgcatt ccaaaccaaa aacttcagat atttttgaag cagatattgc aaatgatgtg 120
 aaatccaagg atttgctagc tgataaagaa ctgtgggctc gacttgaaga actagagaga 180
 caggaagaat tgctgggtga acttgatagt aagcctgata ctgtgattgc aaatggagaa 240
 gatacgacat cttctgaaga ggaaaaggaa gatcgtaaca caaatgtgaa tgcgatgcat 300

<210> 1767
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1767
 gagaactcca aatagcccaa gaggggtggtg ccccccaac ttcataaggg tagaggctcc 60

tgagattagg	agaacccttt	ttaggcttta	ctctatgtac	ctcttcattt	gagtgttcat	120
ttgcgtcctt	tataaccagt	aaaacaaagt	acgctgtttt	cttgagtttt	gtgagccctg	180
tagcaaatta	tcaaacctga	gtagggcagt	gggaactcgg	aatttatcac	cattcagaac	240
tgcaggttgt	ccttgtgagt	ggcatctgat	gtgggggaag	tcttggtact	agccccctaa	300

<210> 1768

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1768

ccggcggtc	tggtgcccg	gcggttgaga	gcatggcctc	tccaggggca	ggtagggcgc	60
ctccggagtt	accggagcgg	aactgcgggt	accgcgaagt	cgagtactgg	gatcagcgct	120
accaaggcgc	agccgattct	gccccctacg	attgggttcgg	ggacttctcc	tccttccgtg	180
ccctcctaga	gccggagctg	cgggccgagg	accgtatcct	tgtgctaggt	tgcggaaca	240
gtgccttag	ctacgagctg	ttcctcggag	gcttccctaa	tgtgaccagt	gtggactact	300

<210> 1769

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1769

agagaactag	tctcgagttt	ttgacagata	atagccaccc	taggaggtgt	gaagtgggtat	60
ctcattgtgg	ttttccattt	ttctgatgac	tgagaatggt	gagcatcttt	ccctgcgtgt	120
tgtccatttg	tgtatcttct	ttagagaaat	atctgcttac	gtcctttgcc	cagttttaat	180
tggattgtct	ttctgttgct	gagttgtcgg	aattgggtgt	acatcctcca	tactgagtcc	240
tcacagata	cctgatttgc	gaatattttc	ttccatacca	tgagttatct	tttcactttc	300

<210> 1770

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1770

ctagaattct	gttactgtca	aaaacgtttt	caaaaatgaa	ggcaaaataa	agactgtttc	60
tgagaaacta	aatcaaaggt	aattttatta	cctgtagacc	tgtctttggg	aaacattaaa	120
ggatgtttga	gggcagcagg	aaaataatac	aaaacttaag	tttgggtctg	tacaaagaaa	180
atcagctttt	ctaagatcaa	gccagagttg	cttctcttac	aaccttacgg	cgctaatagca	240
ttaagttgaa	gtcgactgcc	aaagaggccc	agcagagggc	agcaccacca	tcattttttt	300

<210> 1771

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1771

gcatagagac	catcatggca	tgtccccgt	gtgaaggcct	ctactttttt	gagtttgtga	60
gctgcagtgc	gtttgtggtg	actggcgtct	tgtgtattat	gttcagtcct	aacctgcaca	120
tgaggatccc	ccagatcaac	tggaaatctga	cagatttggt	caacactgga	ctcagcgctt	180
tccttttctt	tattgttcca	atcgtactgg	ctgctttaa	ccatagagcc	ggagcagaaa	240
ttgctgccgt	gatatttggc	ttcttggcga	ctgcggcata	tgcagtgaac	acattcctgg	300

<210> 1772

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1772

gttttagggc	agatccatgt	atttgtagct	tggagggtgag	cccagggggt	catacacaac	60
tttgctccct	actgtctgtg	atccctctgc	cactttcttg	ttccttgagg	ctccctttca	120
tgatcctcct	gtcagaatac	cagggtctta	atttgccac	tctctgcat	gcacttctca	180
tgactgcac	tgcacccagg	gccaaagcgg	aggaggacag	aggagccta	aataaacaat	240
aggatttggt	tcacagtctt	gaagctacag	cttctctggt	cagagaaaag	aattcaaagc	300

<210> 1773

<211> 288

<212> DNA

<213> Homo sapiens

<400> 1773

taattatagt	ccctggaggt	atgcagctaa	ttaaagggtca	aacgcagaac	tttaaagacg	60
ccttttcagg	aagagattca	agtattacgc	ggttgccact	ggctttttat	tatggaatgt	120
atgcatatgc	tggttggttt	tacctcaact	ttgttactga	agaagtagaa	aaccctgaaa	180
aaaccattcc	ccttgcaata	tgtatatcca	tggccattgt	caccattggc	tatgtgctga	240
caaatgtggc	ctactttacg	accattaatg	ctgaggagct	gctgcttt		288

<210> 1774

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1774

caacaaacta	ggaatagagg	aaactatctc	aacataatag	aagttatata	ttaacaaccc	60
acagcagacg	tcacattcaa	tggtaaaata	ccaaatgctc	ttcctctaag	atccaggaac	120
attacaagga	tgccataact	tgccacttat	attcaacata	gtactggaag	tcctaaacgg	180
agcaattagg	caagaaaaag	aaataaaaag	catccaaatt	ggaaaggaag	aggtaaaatt	240
atctctgtag	ctgatgatgt	gatcttattt	taaagtctgt	gatcctaagg	ataccaccaa	300

<210> 1775

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1775

ctcctgccct	ccctgggggtg	gttctgtctt	ttgcaaaggt	ggctgcatcc	ttaggggaag	60
gtgaggggag	aagcagggag	catggagaga	agtggctttc	gattttctct	ctccttttgg	120
ggagttcctc	cttatgtggc	tggtctggtg	catagtgtga	tgtattcctg	tacgcaacgt	180
tgccctgaca	gccagtccaa	gctgagtcta	gagctggcaa	ggtgagctcc	cagtagtaag	240
aggggtgtggg	cggcaagcca	cccaggcacc	gaggcaagag	acagaggaca	cgagctgttc	300

<210> 1776

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1776

cttgagagaa	tagatctaga	tgggtggggc	acggttcttg	ggaatggaag	ggccaaagag	60
gaaagtgggc	aatggtgggg	ttgagaacgc	agcttctgga	ctcagcaggc	ctgggttcaa	120
actctgttaa	tcactcctgt	taatcccagc	gctttgggaa	gccaaggagg	gaggatcact	180
tgaggccagg	agttcaagac	cagcctgggc	aacataatga	gattccatct	ctacaaaaaa	240
taaaaacaat	tagccaggtg	tgggtggtgca	cacctgtagt	tccaggtact	tggagggtg	300

<210> 1777
 <211> 107
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(107)
 <223> n = A,T,C or G

<400> 1777
 acttttaaacc ctacctgtgt gattcagtag ggtttgagaa ttacgtgtga tactggggggg 60
 nntgggngnn ttntngnna gnnngggggn ntnntcntt ntttttg 107

<210> 1778
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1778
 catttcttgt ctttattaat ttgacttctc tagggacctc atttaaataa aatcatcacg 60
 aatttgaact tttgtatctg gataaaaaat atatacagca ttttgctgac tgtaaaatgt 120
 attttttttg gccgggtacg gtggctcatg cctgtaatcc cagcactttg gtaggctgag 180
 gcagggtgat cacctgaggt cgggagtttg agaccagcct gaccaacatg gagaaacccc 240
 gtctctacta aaaataaaaa attagccagg cgtggtggca catgcctgta atcccagata 300

<210> 1779
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(298)
 <223> n = A,T,C or G

<400> 1779
 tttgggnatn tgngggggtt ttnttttttn ttttncngg tcngttanaa aaaaaaaaaa 60
 agccatgcta tcaatcaaga ttcttttttt ttaaactttc tcccatgaac taccaccatc 120
 agtatgaatt gatgaacaa atgaagaaat atttaaagac agcctctcaa cagattgtat 180
 ctcagggttaa atgctaacta attatgtctg tgttgggggt tgcaaagaga ttcttaaaag 240
 tatctgtgtg ttgatcatca gttttacaaa aacacctatt tggctgaaag gaataaaa 298

<210> 1780
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1780
 gatctactgc cttagcaaata gtcatatata tgattacaag attattaact atagtcacca 60
 tgctgtacct tggaaaagaa aacctacttt tcttgcttaa gtaaaacttt tacccttttc 120
 aaggactggg ggaccttgag tatgtgcaga ttttggtaca cgcagggggg cctagcacca 180
 atctctgcg tgtaccaagg gatgaccgtg tgtataggaa atcacatgtt tattacccat 240
 gtatttggtg ttggatgctt agtctgtttc catatctttc tattgtaaat agtgccgcag 300

<210> 1781

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1781
 gaatggagtt ccacctgggc tgttttatta actatttgcc cctccgtttc ttcattctgga 60
 aaacagaaat gataacctta ctattaattg tgtgaccttg gacaagttac aacatctccc 120
 tgggcgcgat tgtcccatct gaaggtcata atagcacctg ccacagagga tggtagtaag 180
 gattaaatta gttaatccat gtaaatacc taggtaagt cctgccatat agcaagtgt 240
 tgggtactttt ttttaaaaaat cactgttatg actattgcag acacctttgc catgattgga 300

<210> 1782
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1782
 gggggaaaaat gacagaggaa aaagagaaaa tggagcagaa aaaaatagta gaagaaataa 60
 tagctaaaaa atttcagaat tcagtgcaca gtagaaattt acagatataa gatcatatgc 120
 tcaagaaaca ccaataagaa taaatattta aaaatcccac gctggttctt gcaaactttt 180
 gaaaaccaaa gttgaagagc aaatcttgaa agcaacaaga gaaaagccat acagtaataa 240
 tccagttaat ggtcgacttc tcactggaaa ccttgcagac cagaacggca tggaataaca 300

<210> 1783
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1783
 ggtggatgcc atctttggct tcagcttcaa gggcgatgtt cggaaccgt tccacagcat 60
 cctgagtgct ctgaaggagc tcactgtgcc cattgccagc atcgacattc cctcaggtgc 120
 tgggatccag aaggtggggt gggagagatt ggggccctac cctcctgact cttgccaca 180
 ccaggtctaa aataatttta gtctagagg gcagaacaca gctttctgga ccccatcag 240
 ggctggggaa cagtgttcag aagtcacctt tacatgttgg ccccatgaag agaccacggc 300

<210> 1784
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 1784
 gacctcctga gggctgtgtc atgcgccatg atcagtcata tttggctcag aataaagctc 60
 ttcaaatttt tagagttca actcttttca ctgacaatag taatgagatt ttaaaagatt 120
 tttttaaaaa aggaactcaa tggttaaaag tcagcttaat taaaagctaa catccaagat 180
 gtgtgtgtgt gtgtgtgtat gtgtgcatgt gtgtgcatgt gtgcatgtgt gtatttataa 240
 gaccttcctg ttttgttttg ttttttttct ctcccaggac cttgtctttt ttttttttag 299

<210> 1785
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1785
 aatacctgag actgggtaat ttataaagaa aagaggttta atgattcaca gttcagcatg 60
 gctgggaagg tctcaggaaa cttataatca tggcagaagg tgaaggggaa gcaaggcacc 120
 ttcttcacaa ggtggcagga aggagaatga acgcaggagg aactaccaa cacttataaa 180

accatcagat	cttgtgagaa	ctcactatca	cgagaacagc	atgggggaaa	tcacccccat	240
gattcagttt	cctctacctg	gtctctcttt	caacatgtgg	ggattatggg	gattataatc	300

<210> 1786
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1786						
tgaagactaa	gatgaaaaag	gggaagaaga	tggaaaagag	gataaaaatg	gaaatgagaa	60
aggagaagat	gcaaaaagaga	aagaagatgg	aaaaaaaggt	gaagacggaa	aaggaaatgg	120
agaagatgga	aaagagaaaag	gagaagatga	aaaagaggaa	gaagacagaa	aagaaacagg	180
agatggaaaa	gagaatgaag	atggaaaaga	gaagggagat	aaataagagg	ggaaagatgt	240
aaaagtcaaa	gaagatgaat	aagagagaga	agatggaaaa	gaagatgaag	gtggaaatga	300

<210> 1787
 <211> 175
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (175)
 <223> n = A,T,C or G

<400> 1787						
tctacttggt	tgtgtatgtg	tgcacatgtg	tgtatgtaca	ggtgtatgta	tatatctata	60
gatagataca	atacattctt	tagacacttt	tcaagattct	ttgctgtggg	atattgtgct	120
caactcaggt	gccaaaggag	cttttttttt	tttttgnaaa	ggnatttttn	nttng	175

<210> 1788
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1788						
gataatactt	gtggatcttg	atgctaagga	gcctgctcct	tatgcatcaa	gaaacacata	60
accagggtaca	gaaactctgc	agagtactca	tgagtggcag	gaggagctgt	accacaagaa	120
ggaagggctc	agggaagggg	acatgtctta	ctcacttggt	agcttcacag	gatgggatgt	180
ggcagtgtc	atgaaaggat	cttggacaag	tgctgcagca	gaacagccgt	ccccatttgt	240
tgcacacctc	acatatattt	gagttttccg	gctagaaggg	gagatgtaga	catcaccggg	300

<210> 1789
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

<400> 1789						
tattacttta	ttttattnta	ttttattatt	atTTTTTTTT	gggacagagt	ntnactctgt	60
caccagggt	ggagngcaga	ggccgnanct	cggctcacta	caagctntgc	ctcctggggt	120
nacnccattn	tctgtcctca	acctccccag	tagctgggac	tacaggcgcc	tgccactgtg	180

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cccnctaatt ttttgnatt tttannanac acanggttnc accatattag ccagganggt      240
cncgatntcc tgaccttgat nncngcccggn ctcgacctnc caaagtgctg ggattacagg      300

```

<210> 1790

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1790

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cgggtgctggt gcggcggggg actgcggggc cagcctcagg tagcagcagc agcagcagca      60
gcagcagcag cagcagcagc agcagcagca atgtttcact tcttcagaaa gcctccggaa      120
tctaaaaagc cctcagtacc agagacagaa gcagatggat tcgtcctttt agaagcatct      180
cagaggctct ccagtgcgt gctgttaaaa gtgctgacct tgggtcagac cctttggggt      240
ggcttcgtgg ctccacgact tactctctac ccttggcagt ggcgtgatct cggctcactg      300

```

<210> 1791

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1791

```

cttgaaaatg ctgcaaatga ccctctaatt atccctgaag atcaaaacag gggtaaattga      60
ctccctgcaa aacccaaccc atgctgctgg ctgtgggatt tttgggtgaa gcctatctat      120
gcactctatc agccagaatt tggcatttag ctcttagtta aatctagtaa aggacagtct      180
attgtttaa gagaaggtgc atttgttcct caatcaagca agagcacctg tgttgactg      240
ctttatatct catgtatatt tatagtaatg aaaagacttt ttaaattgta cacgtttcag      300

```

<210> 1792

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1792

```

gcagcagctc ccaggatgaa ctggttgagc tggctgctgc tgctgcgggg gcgctgagag      60
gacacgagct ctatgccttt ccggctgctc atcccgctcg gcctcctgtg tgcgctgctg      120
cctcagcacc atggtgcgcc aggtcccgac ggctccgcgc cagatccgcg ccactacagg      180
gagcgagtca aggccatggt ctaccacgcc tacgacagct acctggagaa tgcctttccc      240
ttcgatgagc tgcgacctct cacctgtgac gggcacgaca cctggggcag tttttctctg      300

```

<210> 1793

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 1793

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gtccattaca ccgccagcag caatgtcttc ctcggccatg gcagtgggtc acgggtgcag      60
cagtgaatg tcttcctcag ccacggttgt gggcatgagg tgcagcagtg caagaccttc      120
ctcagccatg gcagtgggtc acaggtgtag cagtacaatg ccttccttgg ctatggcggt      180
gggtcacgga cgcagctgaa tcttgaacac acctguncct ctgcctccac ctgactccgc      240
ggcggaagg aatgaacaca gttntctttt taaccaaatt tttagatcat gatctt      296

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<210> 1794
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1794
 ggaatgtcag gcctctgagc ccaagccaag ccacgcac ccctgtgact tgcattgata 60
 cgctcagatg gcctgaagta actgaagaat cacaaaagaa gtgaaaaggc cctgccccgc 120
 cttaactgat gacattccac cattgtgatt tgttcctgcc ccaccttaac tgagtgatta 180
 accctgtgaa tttccttctc ctggctcaga agtccccca ctgagcacct tgtgaccccc 240
 gccccctgcc accagagaac aacccccctt gactaatttt ccattacctt cccaaatcct 300

<210> 1795
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (289)
 <223> n = A,T,C or G

<400> 1795
 agttttcant tttggctggg cannatggtn agcgccnca gtnccanntt cttgggaggg 60
 taagccnctg tcaaggntgc agtnaantat nanggggcn ctgcattcca gcctgggtna 120
 cagaatnaaa tcctggcnca aaaaaaaaaa gtagccaggc atggtggcgg gagcctgttg 180
 tcccagctgt tccgtaggct gaggcacgag attcacttga acctgggagg tggagggttg 240
 tgtgagctga caccacgcca ctgcactcca gcctgggtga cagtgcagac 289

<210> 1796
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1796
 ctgaattgta tccttgaaaa atgctatgtt ggaatcttaa tccccaggac ctcagaatgt 60
 gaccttactt attaaaaaca gggctcttac agagggtgtg cagttacagt aagggtcatta 120
 ggggtggccc taatccagca tgactgatgt ccttaaaagg gggacttttg agagaaaaac 180
 atgctcaagg aagaggatgt gaaggctacg tgaagagact ggagtgatgt gtctgctagc 240
 taaagaacac caaaaatcgt cagccaccac ctgaagctgg aagaggaaag gaaagatctt 300

<210> 1797
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1797
 cacagatcca ggaaaaatca aacgtattag aggaatggcg tactctgtac gtgtgtcacc 60
 tcagatggcg aaccggattg tggattctgc aaggagcacc ctcaacaagt tcatacctga 120
 tatctatatt tacacagatc acatgaaagg agtcaactct ggggaagtct cgggctttgg 180
 gttgtcactg gttgtctgaga ccaccagtgg cacttcctc agtgcgtgaa tggcctccaa 240
 cccccagggc cagggagcag cagtacttcc agaggacctt ggcaggaaact gtgcccggtc 300

<210> 1798
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1798

gtgacaccct	tgccctaaag	caggagctcc	ccctacctgg	ggcccatgga	ctccctgaaa	60
ttgtatgcaa	aatgttgttt	gtacatgtgt	gtctgtatgt	ctctgtgggg	agggtttatg	120
gcttttgtca	gattttcaag	gccttaacaa	agttaaagga	ccactgccct	gaggttactg	180
cactgaggcc	aagttaggat	ggcatcactc	tgtggcagct	ctccctggac	ttgccctgcc	240
tggaacaggg	tgatttgctg	gaatggagtt	accactgaga	tgccaaaggt	tgctgggtct	300

<210> 1799

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1799

ccgaaagtga	cttagagagt	gactcccagg	acgaaagtga	ggaggaggag	gaggagacg	60
tagaaaagga	aaagaaggcg	caggaagcag	aagcgcagag	cgaggacgac	gacgaggata	120
cagaagagga	acagggggaa	gaaaaggaaa	agggagcgca	ggagaaaagg	agggggaaga	180
gagtcggttt	tgcagaagat	gaagaaaaga	gtgaaaattc	ctcggaggac	ggtgacataa	240
cggataagag	tctttgtgga	agtggtgaaa	agtacatccc	acctcatgtg	aggcaagctg	300

<210> 1800

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1800

atctgttctt	gcatgtaatc	tactttttcc	atgagagccc	ttaacatatt	aatcatagtt	60
attctcagtt	ccaaaatctg	tgacacctag	ctgagtcctg	tctgatgctt	gctttgtttt	120
ttctcttgcc	ttaaaacata	gtatgccatg	tgatttttgt	gtagaaatag	gtgcattatt	180
tatcaggtaa	gaggaactga	gataagtaag	cagagggttt	gtgttaatct	ggctaggagt	240
tggactgcgt	ttaaatttgt	tgctataggt	gttgagggct	ataggtgttg	ctatagggtg	300

<210> 1801

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (284)

<223> n = A,T,C or G

<400> 1801

gttttgcccc	tttttagcct	cccagagctt	cgaggactca	attcgaaccc	gaaatcctgc	60
cgtgggggag	gggtggcagg	gagacctgtg	cccggggagg	ttgntangcn	nnaatctngg	120
acttntncn	gnccntncat	gtanacagtg	aatgactgn	anacntgggtg	acccgnngat	180
accggnetnc	cnaggncatn	atgaatngna	tgcnctacnn	gcanacggng	gacatnnggt	240
ctgtggngtg	tatnatggcg	nanatganca	caggaanac	gctg		284

<210> 1802

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1802

aatacacaat	ttacatgtca	gaggatggta	gaggaattgt	cacttatgct	tcaatctgac	60
ttagtgaagc	agtggggccg	agaaagcaat	catatacgca	tttgtctcac	atgagcagag	120
gaacagaggg	atgactttta	gttctgtctg	ttttttgtcc	acaaggaatt	ttcttgtggg	180
caaattgtga	ggtctttgta	gctatcttat	tttaggaata	aaatgggagg	caggtttgct	240
tgatgtagtt	cccagcttga	cctccctttt	ccttagtgat	ttttggttcc	caagatttat	300

<210> 1803

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1803

ctgacaagtc	tgaatacat	attggagcct	ggtagactga	aaactcaagc	aagagttgat	60
gttaaagtct	tcagtctgaa	atttgtaggg	caggagatta	ggctggaaac	tcaggcagaa	120
tttctgtgtt	acaatcttga	ggcataattc	ttctccaaaa	aaatctccat	ttttttctct	180
taaagccttg	gatgagcctt	ggatgattgg	atgaggacta	cccacattat	ctagggtaat	240
ctcctttgct	taaagtaaac	tcactgtgtt	aatcacatca	acaaaatacc	ttcacagcta	300

<210> 1804

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1804

gcaaagtcc	atthttgtga	tctcgcagga	tctgaaagac	tgaagcgtac	tggagctacg	60
ggcgagaggg	caaaagaagg	catttctatc	aactgtggac	ttttggcact	tggcaatgta	120
ataagtgcct	tgggagacaa	gagcaagagg	gccacacatg	tcccctatag	agattccaag	180
ctaacaagac	tactacagga	ttccctcggg	ggtaatagcc	aaacaatcat	gatagcatgt	240
gtcagccctt	cagacagaga	ctttatggaa	acgttaaaca	ccctgaaata	cgccaatcga	300

<210> 1805

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1805

gcaaagtcc	atthttgtga	tctcgcagga	tctgaaagac	tgaagcgtac	tggagctaca	60
ggcgagaggg	caaaagaagg	catttctatc	aactgtggac	ttttggcact	tggcaatgta	120
ataagtgcct	tgggagacaa	gagcaagagg	gccacacatg	tcccctatag	agattccaag	180
ctaacaagac	tactacagga	ttccctcggg	ggtaatagcc	aaacaatcat	gatagcatgt	240
gtcagccctt	cagacagaga	ctttatggaa	acgttaaaca	ccctgaaata	cgccaatcga	300

<210> 1806

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1806

agatgttctt	atccccaaaga	gctgtataat	tccagacaga	ggaggcaggc	agacacctct	60
atagaggact	tagaaacgac	tgttgtgaga	cacattcagt	gctcaggatg	gcaagtgtag	120
tataccgtta	gaaagaacat	tcctttgggg	tgtggcctag	gaagtthttcc	agattthttca	180
ctagcgtaca	tctaaggaaa	accgtaaaca	cagagctgcc	ctttattcct	cccacaggaa	240
gaaatgtaca	tcttcatgga	gtactgcatg	gaggggactt	tagaagaggt	gtcaaggctg	300

<210> 1807

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1807

caaggatggc tcaacatata caaatcaata aatgtggtac atcacattca cagaatcaaa	60
aagaaaaacc acatgattat ttgaatagat gctgaaaaag catttgataa aattcaacat	120
ccgtttatga taaaaaccct catcaaagt ggtatagaag gaacatacct ctagataata	180
aaggccatat atgacagact tacagctaac attgtactga gtggggaaaa attaaaggta	240
ttgtagggag accccatgaa actattgcta tggaataaaa gatgaaatgc tcctgattat	300

<210> 1808

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1808

tttttttttc gtaaagacag cgtcttgata ggttgcccag gctgctctgg gactcttggc	60
ctcaagcaat ctctctacct ccacctcccc agttgttgcg ccattggtgcc tagccaagat	120
gagactctca ttcaaacagt caaaaaccgg acttaaagta gctcagacac acatagaatg	180
gattggctgc tgttgtggac tctccgaggg tggctccatc tgcaggcact gttggaacca	240
gtaccaaggg atgatgtccc agcatctgtc tctccgggat ctcacctttg taccctgccc	300

<210> 1809

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1809

ctgagactca gtttttcttg gttcagggtc gtatttgaac agctctgttg tgaggaaggg	60
cttcaaaaat tgcaatataa ttgctttgtt ttgttttccc tttttgtgga gaacggggtc	120
tcgccgtatt gccaggagt tcgagaccag cgtggacaac ataggtagac cccgtctcaa	180
caaaattttt tttaaaaagt agccaggcat gatggtgcac ctctgtagtc ctagctgctt	240
gaaaggctga gtctggagga tcacttggac ggaccacga gtttgaagct acagtgaagc	300

<210> 1810

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1810

actcaaagac acgtacatgt tgtccagcac cgtctcctcc aaaatcttgc gggccattgc	60
cttaaaaggaa ggttttcatt ttgaggaaac attaactggc tttaagtgga tgggaaacag	120
agccaaacag ctaatagacc aggggaaaac tgttttatct gcatttgaag aagctattgg	180
atacatgtgc tgcccttttg ttctggacaa agatggagtc agtgccgctg tcataagtgc	240
agagttggct agcttcctag caaccaagaa tttgtctttg tctcagcaac taaaggccat	300

<210> 1811

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1811

gaacagaact aataggatag atgtatatat atgaaaggga gttcattaag gagaattgac	60
tcacacgac acgaggtgaa gtcccacgat aggccatctg caagctgagg agcaagggaag	120
ccagtagtgg ctgagtttga gtcccacaac ctcaaaagta gggaagcaga cagtacaacc	180
ttcaatctgt ggctgaaggc ctgagagccc ttggtaaacc actggtgtaa gtccaagagt	240

ccaaaagctg aagaatccgg agtctgatgt tcaggggcag gaagcatcca gcacaggaga 300

<210> 1812

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1812

gggatcctct taatacctct ggtatctgat attcacacat cattttatctt aatgattcta	60
gaggcttgga aggcctgctaa aagtcattgt ttctgccttt gagaataatt accatcctgg	120
aatccccagt ttagcctgag accacctaac ttccccctac tcaggattca agccagttct	180
gtccaaggac aaacccttgt gtcgaggcct ctagaactat agtgagtcgt attacgtaga	240
tccagacatg ataagataca ttgatgagtt tggacaaacc acaactagaa tgcagtgaaa	300

<210> 1813

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1813

ccgcgaggtt ttgttcctgg aatggcattg gtaagaagag gattggattt agaagaaata	60
aaagcagttg ttcacacctg tgctgtgtgc tgaggccctg ccctcccat gatgtcattc	120
ctcagaacag cctaagttgg aggaattact aaactcatca tgacatgagg agctttcaga	180
aaaccaacgc caagatccct cccagcgtcc acatcgctct ctggcaggag ctccctgcccc	240
tctgcctccc accctgcccc ctacaccccc tgcagaccca tctccctcca cccctccca	300

<210> 1814

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1814

ccagaatggg tccatggctg ctgtgaatgg acacaccaac agcttttcac ccctggaaaa	60
caatgtgaag ccaaggaagc tgcgaaagga ttgaagtcta agaattgaaa ccctccanac	120
cangtnatnt nattgtaagc ncaatntgag ttgtgcccc aatgctcgta ncagctgctg	180
naacatannc ntggcctact atanatnttg attcatgttt gacttntttc ntcttatnt	240
tcnttnnagt atgttnnntn catattntat annattannt tntnnagcta tatatgatcc	300

<210> 1815

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1815

aggcagtgac tgccttcggc tttttttctg ctgactaaga tctcctatag agagctacaa	60
caatgcccaa aagaaaggct gcaggctcaag gtgatatgag gcaggagcca aagagaagat	120
ctgccaggtt gtctgctatg cttgtgccag ttacaccaga agtgaagcct aaaagaacat	180
c	181

<210> 1816

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1816

gctcttttca agttcaagat aaagagaaat ttttctctcaa tcttgctaaa tgacagctac	60
tgccattcaa tggagatgtg gctaacatgt cccctgcatt acctctactg tatatgtaat	120
cacttcctat taacgtatta atctctctcca ataaaaactg cagcctctta aggtcttgga	180
ctgctctatt tcatgattgg ttagtagagc atttctttcc tataatccac actggccct	240
ctctgtgaag aatgcctgt atgcaataat ctgactgata tcacagcttt acattattct	300

<210> 1817

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1817

gttcctgtct ctgatcttc acattctgtg attacacagg ctgtcatttc cacagagagc	60
catgaaacag tgaggagcca ttaggacatt cccatgggtg tagctcacag ttacaaagca	120
caactacacc ctggttctcc aggcctctctc tttcctggca ccgcagacca gatggggctc	180
tggagaggct ctgctgtccc ttctggagct tcccatcact ctttctgca gatgttcac	240
ttaacagccc ctctgtgcca ctcagcccag taccggctg cccggctgac tggagatggc	300

<210> 1818

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1818

ggggccccc cgc aaactca aattccctga gcctcaagag gtggaggaag agttgaagaa	60
gtacctgtcg tagggagatt tgggtagaag ccctcatgct gagctttgtg tccctgggtga	120
tgttggaaca ttaatgatgg aacatggcca aacttcagtc atgacacctga aacctggct	180
tcaggatcat gactgaagtc atggtttctt ccctgccaga aatgaagggt cagttatgag	240
gcaaccctct agtaaggcat tgtaaaagtt actggatttg gtttaataaa agttgaaata	300

<210> 1819

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1819

gatcacttga gccaggagt ttaagtctgt attactggaa aggggtccca atccagatcc	60
caaacaaggg ttcttagatc tcacacaaga aataattcag ggagcgtcta taaagtga	120
gtaagtgtac taagaaagta gaagaataaa aaatggctac tccacaggca gagcagctcc	180
ttggggctgc tggttgccc tttttatggt tatttcttga ttatgtgctg aagaaggggt	240
gggttattca tacctccct ttttagatca ttatagggtg acttctggtc attgccatgg	300

<210> 1820

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1820

attatggtgg aagggaagc aaatgcccta cttcacatgg tggcaggaag gagaagaatg	60
agaaccaaag gagggagaag ccccttataa aaccatcaga tcttggtgaga acttactatc	120
atgagaatag catgggggaa actgcctgt gattcaatta cttccacta ggctactccc	180
accatacatg gagattatag gaactacaat ttaggatgag atttgggtgg gaacacagcc	240

aaaccatatac aagtattaac agcagaatta accaagctga ggaaagactc tcagagctca 300

<210> 1821

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1821

ctctcctgca	tgggctttgc	ctacaggggt	atgatgatgt	atcttttcat	tcatacccca	60
ggtagtatga	ctctccactt	atgcctgggc	cttgatgaaa	cagaaattgt	gacatatccc	120
tggacttggc	acttaggtga	tgtaactcac	ctttattgcc	agggcatggt	atattatgag	180
tattgtgaca	aatctcttgg	cctgacacct	aggggatgag	agactcctgc	ctgggccctg	240
cccacaggat	gctttgtggc	ctgtcttctg	gttttattac	ctagaaagat	gtgactttcc	300

<210> 1822

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1822

gtggcacaca	cctgtgtgct	tagctactca	ggaggctaag	gagggaggat	cacttgagcc	60
caggaggtct	aggctgcagt	ttttattgtc	tttaaattct	cttcagataa	tttaccctcg	120
cattgcctac	acagcacact	gcagagtgtc	gggcaacttg	gtaattaacc	ctctaattgt	180
gtaaactgga	agcttcgtga	ggttatggct	tcattaccat	ggctacgtgg	ctgtagccat	240
gagtgtgcac	tccagtgtgg	gtgatggagt	gagactctgt	ctcaaaaagg	aagggagggga	300

<210> 1823

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1823

gtcggacgag	cacgcgcgtg	agatgtgcct	gcggtttgca	gacatggagt	gcaagctcgg	60
ggagattgac	cgcgcctggg	ccatctacag	cttctgtctc	cagatctgtg	acccccggac	120
gaccggcgcg	ttctggcgga	cgtggaagga	ctttgaggtc	cggcatggca	atgaggacac	180
catcaaggaa	atgctgcgta	tccggcgcag	cgtgcaggcc	acgtacaaca	cgcaggtcaa	240
cttcattggc	tccagatgc	tcaaggtctc	gggcagtgcc	acgggcaccg	tgtctgacct	300

<210> 1824

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1824

gcagtgactg	ccttcggctt	tttttctgct	gactaagatc	tcctatagag	agctacaaca	60
atgccccaaa	gaaaggctgc	aggtcaaggt	gatatgaggc	aggagccaaa	gagaagatct	120
gccaggttgt	ctgctatgct	tgtgccagtt	acaccagaag	tgaagcctaa	aagaacatca	180
agttcaagga	aaatgaagac	aaaaagtgat	atgatggaag	aaaacataga	tacaagtgcc	240
caagcagttg	ctgaaaccaa	gcaagaagca	gttggtgaag	aagactacaa	tgaaaatgct	300

<210> 1825

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1825

gcttcgtgtg	ctactgcgaa	ggggaggaaa	gcggggaggg	ggaccgcggc	ggcttcaacc	60
tctacgtgac	cgacgccgcg	gagctttgga	gcacctgctt	cacg'ccggac	agcctggcgg	120
ccctcgtggg	taactgggcg	ggtctgggag	ccgccacacc	cctccttgca	gtgcagatcg	180
tctatggggc	gacagacatc	tgggattccc	cagaaggctc	tgacaccctc	tgcccgccct	240
gtagctgtag	tcctccatt	ggctagggct	cttggggctg	ggcagggttc	gggtgcccc	300

<210> 1826

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1826

cacacacctg	tgggtccagc	tactcgggag	gctgaggtgg	gaaaatgctt	gagcctggca	60
tgtctagcct	tcagttagcc	atgactgtgc	tactgcactc	cagcctgggc	aacagagcaa	120
gactctgtct	gaaaagaaaa	gaaaagaaaa	gagaaaagga	aaaagggcct	ttaagacatc	180
tcacctactg	aacatcctag	cttcgcctag	cctaccttaa	atatgctcag	aacagttaca	240
ctgcctacag	tctgagaata	tttacattaa	atatgctcgg	aacacttaca	ttggcctaca	300

<210> 1827

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1827

cacacttgga	gctcatataa	actttttccc	aggetattgt	ctgtttcttca	agccattca	60
cctcccctaa	aaatcatgta	ttcttctca	aaaattgtct	attatcttcc	acttcccttt	120
cccccatgaa	aagtgttgag	gcttattctg	agccaatatg	agtgaccatg	gcctgagaac	180
ccaatatgag	tgaccatggc	ctgagaacca	tctcaagagc	tccttcaaca	gttgtgactg	240
agcttgctag	gttgagttt	ggttttatat	attctagggg	gacaggaatt	ataggtaaaa	300

<210> 1828

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1828

ggggtatccc	ttgagaccac	cttgggacca	gtgcttgcaa	gcagcgagat	atttcccag	60
caaaaccagg	cagctgctaa	ttaaatgctt	agaaccaatg	aaagctggct	gtggtcctgc	120
ctgtgagctg	cctactgctg	ccttctgaat	gcatatatct	gctactgtag	ccccgggttg	180
tcaaactatg	gcctgtgggc	caaatccagc	cacagtcggg	tctttaaagt	tttatcgaaa	240
cacaagcaat	ggaaatgccc	atttccattg	ttgtctccag	ttgctctgct	ccgagggcag	300

<210> 1829

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1829

gccgatacaa	cctcgtgcgg	ggccaggggc	cagagaggct	ggtgtctggc	tccgacgact	60
tcaccttatt	cctgtgggtc	ccagcagagg	acaaaaagcc	tctcactcgg	atgacaggac	120
accaagctct	catcaaccag	gtgtctttct	ctcctgactc	ccgcatcgtg	gctagtgcct	180
cctttgacaa	gtccatcaag	ctgtgggatg	gcaggacggg	caagtacctg	gcttccctac	240
ggggccacgt	ggctgcctg	taccagattg	cgtgggcagc	tgacagtcgg	ctcctgggtca	300

<210> 1830

<211> 158

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (158)
<223> n = A,T,C or G

<400> 1830
gatctatctc ttctccctgc ccattaagga atcagagatc attgatttct tcctgggggc 60
ctctctcaag gatgaggttt tgaagattat gccagtgcag aanctnacc tttctntta 120
gntcnctagn cnnagantct ttctttangg attctnta 158

<210> 1831
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1831
atagagagga acaaagataa gaatgacagc agatgtgtgg tcagaaatta ttcaaggcag 60
aagacagttag aactgaaaaa gaaagtaggt caatctagaa ttctataccc aacacaaata 120
tccttcaaaa atgaagggtga aataaacact ttttgatgga caaactgaag ttgagagaat 180
tcgtaaccag cagacctgta gtacaaaaaa tgttgaggca agtttttttag gcagaagaaa 240
aatgatacta gatagaaatt tgggctgcac aaaggagtga agaggcttcc aaatggtaaa 300

<210> 1832
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (283)
<223> n = A,T,C or G

<400> 1832
cccagctctt tgggaagctg aggtggggagg atcactagat cccagggggtt ggagacttgc 60
ctgggcaaca tagtgcaacc tcgtctctaa aaatatatat tttatagatt agcccgcat 120
gggtggtgca cgtctatagt cccagctact ccagaggctg aggtgggaag atcccttaag 180
cctaggaggc gaggtatcga taatctatna nagctccgtt acactccaac ntgggcttnn 240
gaggaangat cacgtaggnt ctaananatg anggaggcca ttt 283

<210> 1833
<211> 300
<212> DNA
<213> Homo sapiens

<400> 1833
cctgccccta ggtgggggct gccttcagct ccctgctgcg tgtgataact tgggtgtggc 60
cctcacagct gtgcagaagc tattcccaga ggggtctggc cccaggtaaa cagattctgc 120
tctgggctcg ccttgccctcc atcccacagc cctgtgtgct gtctgtggca cagcctagag 180
cagcactgcc tcgtggccct ggcccttatg cggtggagc tgatccctgaa gtccagtgtc 240
ccagcgggtca tggttggtcat catcaccatc tacaacctgg tgatggaagt ccttatcccc 300

<210> 1834
<211> 300

<212> DNA

<213> Homo sapiens

<400> 1834

cccaaacctta	atctaggagt	aaattttttt	tagcagatag	ccagatttca	gccaatcaca	60
ggcttccagc	taacaagact	atgcccaa	aaggcaa	cctcatcaca	tgatgtcaa	120
ataaggcagc	cacctaggcg	aggccaatca	ggtaactttt	ctactttgct	taattgttca	180
gcctgtacaa	atctgtgct	tatgactgct	gagcagagct	gtctaaacct	cttctgggtt	240
ggagtgtctg	cttatatatg	aattgttctt	tggtcacata	aaattgggta	aatttaactt	300

<210> 1835

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1835

tggctggagg	tgagatatgc	tggcagcaat	actgctctgt	tactccttgc	tacactgaga	60
tgtttgggta	aagagaaaca	taaattctagc	ctacgtgcac	atctgggcac	agtacctttc	120
cttgaactta	ttcgtgatac	agattccttt	gtcacatgt	ttcctgtctg	accttcttcc	180
cacctgttgc	cctgtctacac	tcccctcgct	aagacagtaa	aaataatgat	caataaatac	240
tgagggaact	cagaggccaag	cgccgggtgcg	ggtcctccac	atgctgagcg	ccgggtccggg	300

<210> 1836

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1836

ggccagtagg	tgctaagggtg	acaccacccc	ttcctccctc	tccagacca	tcccaccacc	60
gtgatttgcc	catccccagc	agcctcatca	ctgaccacct	gtttttactt	gcaggacca	120
ttccaacaat	ctcgtaaaac	atgggtggatt	actatgaagt	tctaggcggtg	cagagacatg	180
cctcacccga	ggatattaaa	aaggcgtaag	tagttttatt	tctgtggtaa	tgcattttca	240
cagtgggtaca	ttggtaattg	agtagtataa	cttcttctat	tgcttatgaa	aatggctttt	300

<210> 1837

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1837

gagactccag	gctgagctgg	ctgaccgacc	caatccccct	acccgccctc	tgcccgctga	60
cccgggtggtg	agaagcccga	aggtaacggt	ggggggagag	aagggcacgg	cctctcccc	120
cacctagggc	tgtgggtgctg	gtagecatga	cgggtggtggc	cgtggcgaga	tgccccctca	180
gtgcatgagg	gcacatatcc	cgggtggtgcc	tttaatgggtg	acagtctcag	gggccagcca	240
agccccacc	cccaagggaag	ccactgtctg	ccgaccccc	gggccgggtgc	ccatcggtg	300

<210> 1838

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1838

aaggcttaga	tcattgactt	cagatttttt	gtcttttcta	acaagtgttc	aagactataa	60
tataaatttc	cctctaagca	ttgttttagcc	acatttcaca	aatttgga	tgtttattca	120
ttttcatctt	cattcagttg	aaaatatttt	ctaatttccc	ttttaatttc	ttcttttact	180
cacttattat	ttggaaatgt	gttatttcat	ttccaaatat	ttggggattt	tcaaatatct	240

cctgttaaca atttctaaat tagttgtagt cagagaacat attctgtgat ttcaatgctg 300

<210> 1839
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 1839
 ggaacgtcag gcacagggat gatgaaaggg gaacaataag tggttaattac ctacaggttg 60
 tggtggctcc aggttttttg cattgtgcct agactgaata aaagcaagca gctccagctt 120
 cttggggctg ctttctggcc actagagcca ggcagtcacc tagttgctgt tacactgaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 233

<210> 1840
 <211> 212
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (212)
 <223> n = A,T,C or G

<400> 1840
 ggaacgtcag gcacagggat gatgaaaggg gaacaataag tggttaattac ctacaggttg 60
 tggtggctcc aggttttttg cattgtgcct agactgaata aaagcaagca gctccagctt 120
 cttggggctg ctttctggcc actagagcca ggcagtcacc tagttgctgt tacactgaaa 180
 aaaaaaaaaa aaaaaanaaa anaanaaaaa aa 212

<210> 1841
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1841
 ggaacgtcag gcacagggat gatgaaaggg gaacaataag tggttaattac ctacaggttg 60
 tggtggctcc aggttttttg cattgtgcct agactgaata aaagcaagca gctccagctt 120
 cttggggctg ctttctggcc actagagcca ggcagtcacc tagttgctgt tacactgaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

<210> 1842
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1842
 cccaagcaag gttccttggg agaagatgtc tgcagaggag ctggagaatc agtactgtcc 60
 cagccgatgg gttgtccgac tgggagcaga ggaagccttg aggacctact cacagatagg 120
 aattgaagat tatcttgaaa acaatcttcc agtagttctg acgatacttg gagcctggtc 180
 cacgtgcac ccaccttggg aagcctctcc aaagagcttt cggagctgac actgacagct 240
 tcagtttccc ccagcaccca ggagagcctt gctgtgtctg tctgcccggc aagagtccat 300

<210> 1843
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 1843

gctctcggag	gctgtcttct	gtcgccaagg	gtcccggacc	gagtacacag	tggcagctgg	60
cttagttggt	ggacggcctg	gggtagggga	gggtggcagg	tataagactt	ctgggggcac	120
cccaagaccc	cagacacca	agtggcatct	tgggggtggg	tgggcagagg	acggggtaat	180
gtgaggacga	agcgggcacg	gagccagatg	gccagtctcc	aggcctggtc	cacggactgg	240
cagggacccc	aggcacaaga	gctgccaccc	ctctgcccg	tttggaataa	aacaataaag	300

<210> 1844

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1844

gagaaacaca	gtcaagtggc	gcagtactat	gaagtattcc	ttcgacagtc	tccattggag	60
ccctgccttg	tatttcatga	aggtggatac	tggcgtgagc	tcacagtccg	caccaatagc	120
caagggcaca	caatggctat	catcactttc	catccccaga	aattaagtca	ggaggagctc	180
catgttcaga	aggagattgt	aaaggaattt	ttcatcagag	gtcctggagc	agcctgtggc	240
ttgacctcac	tttacttcca	ggaaagtacc	atgacctgtt	gcagccatca	gcagtctccc	300

<210> 1845

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1845

ggaacatcca	gtgcctgcag	gacgtggagc	gctgcctccg	ggacacgggt	gtgcagggcg	60
tcatgagcgc	agagggcaac	ctgcacaacc	ccgccctgtt	cgagggccgg	agccctgccg	120
tgtgggagct	ggccgaggag	tatctggaca	tcgtgcggga	gcacctctgc	cccctgtcct	180
acgtccgggc	ccacctcttc	aagctgtggc	accacacgct	gcaggtgcac	caggagctgc	240
gagaggagct	ggccaagggt	aagacctgtg	agggcatcgc	tgctgtgagc	caggagctga	300

<210> 1846

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (300)

<223> n = A,T,C or G

<400> 1846

aaaattaaaa	acacacaggc	ccaacaaact	caacaaacgc	taagcacaag	aaacatgtag	60
gaaactatac	caaggagtat	tataatcaaa	ttactcaaaa	ccagtgataa	ggtgaaaacc	120
ttaaaagcag	ccagaggaaa	aaggacatgc	aagaagaata	aagacaaagg	taatggcaga	180
ctttttgcct	gaaagaatgc	aagtgagaag	acaatatatt	aacatcttta	aactaatgaa	240
agaagancna	ctgtcaacct	agaantctgt	atgaacgtng	nccaaaggnn	ttcaaannnc	300

<210> 1847

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 1847
 agacttttga ggaaattctt tcttgacaaa gacagagatc aaaccaaaaa acaaacaaaa 60
 aaacacacac agaaaaatgt gagtagggaa gaaataggaa aaaggtaaga agcagaaatt 120
 tttttttttt tnaancggag tttegnnttt gtngcccagg ntgnagnnga nnggcncagt 180
 ctnggttnac canancntcc accaccagg ttnaagcant tntcnnngnt nagcctcctg 240
 agtanctggn attntnggcn cccaccacca cncnnggta anttngnntt tttagtaaa 299

<210> 1848
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 1848
 gggcggcttt ggcctcacgc ttcggggaga ctgcctgtc ctcatcgtc ccgtcattcc 60
 agggagccag gccgcggcgg ctggcctgaa ggagggcgac tacatttgtt cagtgaatgg 120
 gcagccatgc aggtggtgga gacacgcgga ggtggtgac gagct 165

<210> 1849
 <211> 273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(273)
 <223> n = A,T,C or G

<400> 1849
 cagcaatgtt ttgtggcttt tattgtacaa gcttttcacc tccttggtta agttagttct 60
 taagtgtctt attcttttac gtgtattat aaatggaatt attttcataa tttccttttc 120
 atggtgttaa ttattatncc nactcacntg cnactnaata antgcaentt gactnttcca 180
 gnnacatgaa acnattnann ntannantcn tacannaagn acnancatcn attngcntnt 240
 tnetnatnng annntnntgn atntanaann ccg 273

<210> 1850
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1850
 gccatcctgt ttacagcgag gcaagatgaa tcattatgtc tgtgcatttt gttttactta 60
 tctgtgtata tagtgtacat aaaggacaga cgagtcctaa ttgacaacat ctagtctttc 120
 tggatgttaa agaggttgcc agtgtatgac aaaagtagag ttagtaaaact aatatatttt 180
 gtacattttg ttttacaagt cctaggaaag attgtcttct gaaaatttga tgtcttctgg 240
 gttgatggag atggggaagg gttctaggcc agaatgttca catttggaag actctttcaa 300

<210> 1851
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 1851

ctgaaacagg	gtcgggatgc	cgatgccggc	ttggagttag	agatgagtca	ccgctgagag	60
cagctgcagt	agctgagcag	tggcagcaga	gaggcagacg	tgagctgagg	gcgcagaggc	120
aggcagcatc	tctgagggtc	cccaaggagc	atggctggga	gccgtgaggt	ggtggccatg	180
gactgcgaga	tggtggggct	ggggcc				206

<210> 1852

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (295)

<223> n = A,T,C or G

<400> 1852

ttttattttg	tcacccaggc	tgaaatacag	tggcaaaatt	atacctcaat	gcagcctcaa	60
ccccctggg	ctcaagggat	cctccaaatt	cagcctcctg	agtagctggg	agtataggct	120
tgaccacca	tgcccagcta	atTTTTTTTT	tttnganctt	tngnatTTTc	agtagngaca	180
nagtttcccc	atgtngctna	ggctggngta	aaactccngg	gctnaagcaa	tcntcccacc	240
tgggccttcc	aaagggtctg	nattacaagg	ggnanccant	gtaccagca	aaata	295

<210> 1853

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1853

aattacaggc	ttgagccact	gcaccaggcc	ctaagagctc	taaactttct	tatcacacag	60
tgaattaaaa	tattttggat	cttaactatc	ccatattaag	cgatcctttc	ctcaaatgaa	120
agaaaatact	taattagaac	atatatgttt	aaactgatac	agtaagtgtt	ttgtaagcct	180
ctagaactat	agttagtctg	attacgtaga	tccagacatg	ataagataca	ttgatgagtt	240
tggacaaaacc	acaactagaa	tgcaggtgaa	gaaaatgctt	tattttgtgaa	atttgtgatg	300

<210> 1854

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (289)

<223> n = A,T,C or G

<400> 1854

gtggtacctt	ggcttttaggt	tttcattcgc	acggaacacc	ttttggcatg	cttaacttcc	60
tggtaacacc	ttcacctgca	ttggttttct	ttttcttttt	tctttctttt	ttttttttnn	120
ngtggngggt	ggtttttaaaa	ccccnnnanc	nnnaaaaccn	tttttnnaaa	nccntngaaa	180
nnnancnng	genttttttc	ccccnttnn	necaangng	gnnttaaang	nangnnnggc	240
ngggggaann	tttngcaacc	anggggnntg	ggggnctaan	cggtcaaaa		289

<210> 1855

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1855

ggttaat	tttt	tgaaat	catgccc	caga	ttcgacgtca	agcaattaaa	gaactgcctc	60
aatttgccac	tgagaaaaat	cttcctcgag	tggcagatat	actaacgcaa	cttttgcaga			120
caggtaagg	g	at	tttattat	tacctttttc	tctaaatata	tatcttcttt	ctgaaatggt	180
gactctgttt	ttaggtttta	aatgggggtgc	aggagagctg	gaggtcctac	ctctgataga			240
gattaaattt	cctactttca	ttcagtagtt	aaagtgtaat	gattttctggt	tatctaattc			300

<210> 1856

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1856

aatgcctcta	tgtaggtgaa	gtgttctctc	tgcatgcaac	agtaaaaatt	aatataatat		60
tttccccaca	aaagaaacac	ttaacagagg	caagtgc	aat	ttataaattt	atatctaaag	120
gggaatcatg	attataagtc	cttcagccct	tggaactctaa	attgagggga	ttaaaaagaa		180
tttaaaataa	ttttgaacga	at	tttattttc	ccctcagttt	ttgagggcat	taaaaaggca	240
ttaaatcaag	acaaatcatg	tgcttgagaa	aaataaaaatt	aatgaaaaca	cagcacttat		300

<210> 1857

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1857

tattggtttg	tagaaatgct	actgattttt	gtacgttaat	ttttgtatcc	tgaaacttta		60
ctaacgtcat	ttatcaggtc	ttttggaggg	attgttaggg	tttttttagg	tttagaatca		120
tattgtgagt	gaacagagat	aatttgactt	cctctttttc	tatttagatg	ccttttggtt		180
ctttttcttg	cccagattgct	ctgggtagga	cttcagtact	atgttgaata	gaggtggtga		240
gagtgggcat	ccttgtcttg	ttcttagggg	ggatgctttc	acctttgccc	attcagtatg		300

<210> 1858

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1858

ggcagaagag	cagacatggc	agatgctttt	ctatcttggg	gttgatgctt	tacgcaagag		60
ttttgagatg	accgtggaaa	aagtacaggg	tattagcaga	ttggaacaac	tttgtgagga		120
attttcagaa	gaggaacgag	taagagaact	caagcaagaa	aagaaacgcc	aaaaacggaa		180
gaatagacga	aaaaataagt	gtgtgtgtga	tattcctact	cccttataaa	cagcagatga		240
aaaggaagta	agccaagaga	aggaaacaga	cttcatagaa	aatagcagct	gcaaagcctg		300

<210> 1859

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1859

gcataacgaa	cctaaccctc	agaggtttac	caagattcaa	aacacgaagc	tgaccatgaa		60
gcgggacggc	attgggtcag	tgcggtacca	ggctctggag	gtgtctcggc	aaccactctt		120
caccaatata	acagtggaca	ttgggcggac	tccgtcgtgg	ccccctcggg	gctgacacta		180
atggacagag	gctctcgggtg	ccgaaaattg	cctgccagag	gactgaccac	agcctggctg		240
gcagctgctc	tgtggaggac	ctccaggact	gagactgggc	tctgttttcc	aagggtcttc		300

<210> 1860

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1860
 cctgtttcca ttcaacaaga gcactacatt catttagcta aacggattcc aaagagtaga 60
 attgcattga ccacgactaa tttcaaaatg ctttttatta ttattatatt ttagacagtc 120
 tcactttgtc gcccgagccg gaggcgagtg gtgcgacttc agatcagtg accatttgcc 180
 tcccgggctc aagcgattct cctgcctcag cctcccaagt agctgggatt acaggcacct 240
 gccaccatgc ccggctaatt tttgtaattt tagtagagac agggtttcac catgttgccc 300

<210> 1861
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1861
 gggaccactg gcctgcctga cctcacccca ctaatatatt ttattttttg cagagacagg 60
 atatggggaa aagaaatcag attgttactg tgtctatgta gaaaaggaag ccataagaaa 120
 ctccattttg atctgtatta agaaaaattg ttctgctttg agatgctgtt aatctgtaac 180
 tttagcccca accctgtgct cacagaaacg tactgtattg aatcaagggt taatggattt 240
 agggctgtgc agcatgtgcc ttgttaacaa tatgtttgca ggcagtatgc ttggtaaaag 300

<210> 1862
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1862
 gctgggtgtg gtggcacacg cttataatcc cagctactcg ggaggctaag gcaggagaat 60
 tgtttgaatc tgggaggcag aggttgagtg gggccgagat cgcaccattg cgctccggcc 120
 tgcgcaacaa gagcgaaact ctgtctccaa aaaagagatg atctcactgt gtcacccagg 180
 ctgacgtgta gaggcagatg catagctcac tgtatcctca aactcctcct gggttcaagt 240
 gattgtcctg ccttgacctg ctgagtagcc accaccatgc ctggctcaaa atggatttga 300

<210> 1863
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1863
 agaagcctta cgtgtgtgct gagggtgga aggcctttag caacagggtcc aatttgaata 60
 aacatcagac aacacacact ggagacaaac cctacaagtg tggcatctgt gggaaaggct 120
 tcgttcagaa atcagtggtc agtggttcac agagcagcca cgcttgagag aaacagtggt 180
 agaaaacccc cctgagggtt gggctctgatt gtacactgtt gcacgcatgc agcagaaaaa 240
 tatgtatatt attgtaaata gaaatgacca catcagaatg tcacacatgc tgttctggag 300

<210> 1864
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1864
 cccaaaacca tttattgaag agacaaccct ttectcattg tttgcttttg gcattcttgt 60
 caaagatcag ttgtccataa atatgtggct atatttctgg gatctctctt ttgttccctt 120
 ggtctacatg tctgttttta atgggagtat catactgttt ctattactgt aattttgatg 180

tatattttga aatcaaatag tatgatgctg ctagctccat tctttatgct tgagagtgt 240
 ttggctattt aggggtcttt ctagttccat acaaatttta ggtttatatt tatgtttctg 300

<210> 1865
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1865
 cagatggttt ttaacgccta ccaggctggg gtaggagcac tcaaactctc catgaaggat 60
 gtcacagtgg agaaggcaga gagcctcgtg gatcagatcc aagagctctg tgacacccag 120
 gatgaagttt ctcagactct ggctgggtgg gtaacaaatg gcttagattt tgacagtga 180
 gaactggaga aggaattgga catcctcctt caggatacca ccaaagaacc tttggatctg 240
 cctgacaacc cccgcaatag gcattttacc aacagcgtgc ctaaccctag gatctcagat 300

<210> 1866
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1866
 agacatcaaa gggtcttctg tccaaagtgg gaataaacgg aaccatgaac cttttattgc 60
 tccagaaaga tttggaaaca gtagtggtgg ctttggcagt aattcccatt cccaagcacc 120
 agagaaagtg acgcttcttg tagatggcac acgttttggt gtgaatccac agattttcac 180
 tgctcatccg gataccatgc tgggaaggat gtttggacca ggaagagagt acaacttcac 240
 tcggcccaat gagaagggag agtatgagat tgctgaaggc atcagtgcaa ctgtatttcg 300

<210> 1867
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1867
 agcgtgtgca gcggcagctg ctggtgaggg ccaaggggct ctgtctccag ggagcctgcc 60
 tcgcttttgg agcagacagg cttggggagg gcagtgatgt gagccagccc caccagcac 120
 ccctcttgcc ctctctgttt tctagggga cgggcccggc catatgggga ggaagggact 180
 agaccaatgc tgcttaatgt tacagacgct gagcagcgag ctgtcccagg cccgagatga 240
 gaataagagg acccacaatg acatcatcca caacgagaac atgagggaag gccgggacaa 300

<210> 1868
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1868
 ggatgacaga gtgagattct gtcttaaaca aaaaacccca aaagaccatc cagagtgttt 60
 gtctcggtag catatatact aaaattggaa ggatatggag aagattagta tggtccttgc 120
 gcaaggatga caccgaaatt tgtgaattgt ttcataatta ctatttaaaa aaaaaaacct 180
 ctgtaggtat ttctccaaag aagctaagca gatgcccaat aaacatatgg aaagatgttc 240
 agcatcacta ataattaggg aaatgcaaat caaaaccaca gtgagatgtt attttgcgac 300

<210> 1869
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(290)

<223> n = A,T,C or G

<400> 1869

gaacaaacaa	aaaatgcaca	gttcataata	atttctcttc	gaaataatat	gtttgagatt	60
tcggatagac	ttattggaat	ttacaagaca	tacaacataa	caaaaagtg	tgctgtaaat	120
ccaaaagaaa	ttgcatctaa	gggactttga	tggncttat	nctattgatg	atncttacng	180
acgatgatgg	ctncnncaga	tccattcatg	anntgatnct	aanaaatatt	acttggtatt	240
canancgagt	tntaactgaa	atctccttgn	ggagctcctg	atnctggggg		290

<210> 1870

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1870

ctgggggtggg	atgccttact	ttgcacttaa	tttaataagg	gcattctcgg	aggagtagac	60
gtttaataacg	aagtggcggc	atagccctgc	cgagatgtcg	gtgatggcct	ggatgctgta	120
accacaacct	gtggctaaaa	attttatttt	ctatccttta	cccgctatta	tcattagtgtg	180
ctatgattct	ttctgcattt	tcggttaact	atcatttcca	aagacttgtc	attcagtaat	240
attagcagat	agctgcttcg	ataaaggaat	ttggagttaa	aaaatcaact	tgtgaaaaca	300

<210> 1871

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(300)

<223> n = A,T,C or G

<400> 1871

acaccctgga	ctcctgcagg	ggaggacaca	cggaggtgga	caactgcaga	tacacttact	60
cggagtggca	cagctttact	cagccccgtc	ttggtgaagt	gagttttcct	aagtggncct	120
caaattctatt	ntaatnttct	ttagacttta	tanntaacta	actggattct	gactataant	180
tncaattanc	tatgantcta	ctacttctac	taatagaaag	ctattattnt	tcctcantnn	240
taatntagtt	atgttcngat	ttanntggan	atttacttcc	cctcctattt	ttttaattga	300

<210> 1872

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1872

gtttgatcat	ttatgtactt	gggtaagggtg	gtaactgcta	gatctctcca	tttgaagttg	60
cttttaaaaa	atttgttatt	tttgctactc	gggaggctga	ggcgggagaa	tcgcttgaac	120
ccaggaggct	gaggttggtg	tgggcccaga	ttatgccatt	ggactccagc	ctgggcaaca	180
agagccaaac	tccgtctcaa	aataaacaaa	caaactaact	aaagaagcct	aacagtaaat	240
ggcagctggg	gtgtatgtga	ccctgttgct	ctgcttcttc	cagggacacg	gccaacacgg	300

<210> 1873

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1873

acgggagcta	gtgacggcat	ttctacgata	ctgaagatcc	togtctccgg	gggaggcaag	60
tcacggacag	gtgtgatgat	ccccatcca	caatatcccc	tctattcagc	tgatcatctt	120
gagctcgacg	ccatccagg	gaattactac	ctggacgagg	agaactgctg	ggcgctgaat	180
gtgaatgagc	tccggcgggc	ggtgcaggag	gccaaagacc	actgtgatcc	taagggtgctc	240
tgcataatca	accctgggaa	ccccacaggc	caggtacaaa	gcagaaagtg	catagaagat	300

<210> 1874

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(156)

<223> n = A,T,C or G

<400> 1874

agctcgagtc	aacgtccctg	tcattggtgg	ccatgctggg	aagaccatca	tccccctgat	60
ctctcagtcg	acccccaagg	tggactttcc	ccaggaccag	ctgacagcac	tcactgggag	120
ggatccagga	ggacttaacn	angntgtgna	ggatat			156

<210> 1875

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1875

gttttccttt	atatgggagt	ttcctcatta	aaaggaatcc	agttatttga	ccgtataaaa	60
ttatttggaa	tgctgtctaa	gcatcagcct	gatttgatat	acctccgtta	tgtgccgctc	120
tggaagggtc	atattttcac	agtcattcag	cttacttgtt	tggctccttt	atgggtgata	180
aaagtctcag	ctgctgcagt	ggtttttccc	atgatggttc	ttgcattagt	gtttgtgcgc	240
aaactcatgg	acctgtgttt	cacgaagaga	gaacttagtt	ggcttgatga	tcttatgcca	300

<210> 1876

<211> 157

<212> DNA

<213> Homo sapiens

<400> 1876

agcgggccatg	gccaaacttg	aggtgaagaa	agcattcatg	ggaccactga	agaaagaccg	60
aattgcaaag	gaagaaggag	cttaatgcc	ggaacagatt	ttgcagttgg	tggggctctca	120
ataaaagtta	ttttccactg	aaaaaaaaaa	aaaaaaaa			157

<210> 1877

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1877

aggacccagg	caaccctcaa	caactgcct	gcgaagaaag	ctcccttgg	aggggctgag	60
ccagcacatt	tcctgcccc	taatcaciaa	tgccctgggc	ccctccaccg	gagattcgag	120
ttcagtaggt	cagtgcggg	gccgggaatc	tgccatttga	aacgaatact	cccagttatt	180
tgtttcatca	agcagataga	aaaacatgga	ttccttagaa	aggttctgca	actgaccatt	240

cattaactcc tgagggcctc atgtcaggtt cegtgcacgc actgagcacc tactgtgtgc 300

<210> 1878

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1878

gaaggggttt aaaaaggaaa aggtgtggaa gagatgcagg agtgggtgcag gtctgaatgt	60
cttgttgtga tagttatatt gagtaattgc ccatctggag gtatggtttg tgtcatcttg	120
acttcagctg ggtaatgcta ggctaactgt tcgaaactcc ccccatgcaa gaggagtctg	180
caactccatc tctgcttggg ttgtttcaaa actggcccct gaaatttcta agcaagtacg	240
taattagata agtgaacact gttcatggac atgcctgggt ggaaaggag aaactaaggg	300

<210> 1879

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1879

gccaattcca ggcctcctc cagcagtggt gccaccaaca gacttctctc aactgattga	60
tagtccagag tttgtaccag gccaaagcctt ttgtcacat acagagtctg ccccaaattc	120
tccaagaatt ggaagcccat tgagcccaaa gaaaaacagt gaaacaagta ttcttcaagc	180
aatgtctaga ggtttgtcta ccagttatgc ctgacttgga ctcagaacct tggatagaag	240
ttaaaaaaag acatcatcca gcccagtgga aattgaggga atcagtgctc gtccctgaag	300

<210> 1880

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1880

agacagagta ctgattggag gggatgaaac tccagagggc cagagagctg tgcaggccct	60
gtgtgctgta tatgagcact gggttcccag agaaaagatc ctcaccacta atacttggtc	120
ttcagagctt tccaaactgg cagcaaatgc ttttcttgcc cagagaatna gcagcattaa	180
ctccataagt gctctgtgtg aagcaacagg agctgatgta gaagaggtag caacagcgat	240
tggaatggac cagagaattg gaaacaagtt tctaaaagcc agtggtgggt ttggtgggag	300

<210> 1881

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1881

gtggagccca agagctctgg gccgccagga agcctccaat gctctggcca cctggaccgc	60
ccttttaaat gcgtattctg tctctttcta actcctttgt ctccgcagga ctgggggtat	120
ctgctgggtg gtgtggggct ggtttcccca atatctaaga tcagtgcttg gggcattttg	180
cagatcctgc actggatgga tcagcggaca acacacagac cggtaatctg ggtcaatcag	240
ttctgccatc ccaccagaa cagaaaacag catgaaaaac tcactttaac cccctatgaa	300

<210> 1882

<211> 149

<212> DNA

<213> Homo sapiens

<400> 1882

gaggaagcat ataccacaga acattggctg gtcaggatat acaaggtaaa ggacctttat	60
aatcgaggct tgtcaaggac ataaatgtca cgtccagctc tgatatgctt cgcactgagc	120
acatcacatt taggacgttg aagattttt	149

<210> 1883

<211> 206

<212> DNA

<213> Homo sapiens

<400> 1883

gtgcaccgga ggggtgaagac agccctcgcg aggaaggagg aggccgtgag cagcctccgg	60
acacaacatg aggctgcggg gaagcggggc gaccacctgg aggagctgct ggagcagcac	120
aggaggccca cgccaagtac caagtgacca gggatgccgg gaacactgtc gaagaacgga	180
aggcagagga cagaggctgg acgtgg	206

<210> 1884

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1884

gacttctgaa gaacatgaag caagcagaag ggtgaaagcg gagctgctgg ttcagatgga	60
tggtggtgga ggtacttctg aaaatgatga cccttccaaa atggttatgg ttctggcagc	120
tactaatttt ccctgggata tagatgaggc tttaagacga cgccttgaga aacgaatcta	180
tattcctttg ccgtcagcaa aaggcaggga ggagctatta cgaataagtc tacgtgagtt	240
ggaattggct gatgatgttg accttgcaag tatagcagaa aacatggaag gttattcagg	300

<210> 1885

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1885

tgcagtagca tccatgagca tcagcagaga tgcagtgggg gtctgtttac ttggtgataa	60
gttatatgct gttggggggg atgatggaca ggcataactt aatctgtggg aggtctatga	120
tccccagaca aatgagtgga ccaggtatt ttcacatact tttagaggaca gcaaagatca	180
cctgggtggc atcaagcaga ccatctggag gcaaaaactcc ttatctgagg aattcagaag	240
tcattagact gccctattat ctaaagccgg catcttgtac taggcttctt taccaaaaat	300

<210> 1886

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1886

aataaaaggt tccaatttga gtttcatctg ctcagctgcc agcagcagtg attccccaat	60
gacttttgct tggaaaaaag acaatgaact actgcatgat gctgaaatgg aaaattatgc	120
acacctccgg gcccaagggt gcgagggtgat ggagtatacc accatccttc ggctgcgcga	180
gggtggaattt gccagtgagg ggaaatatca gtgtgtcatc tccaatcact ttggttcac	240
ctactctgtc aaagccaagc ttacagtaaa tagtatgtga tctgactttt ccttttagcat	300

<210> 1887

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1887

gctgactact	tggaagcttg	tgtagtatct	gtgttgacaga	tccatgtgac	ccagccccct	60
ggggatatcc	tggtgttcct	gacaggacag	gaggagattg	aggctgcctg	tgagatgctc	120
caggatcgct	gccgcgcct	gggtccaaa	atccgggagc	tcctgggtgct	gcccatttat	180
gccaatctgc	cctctgacat	gcagggccgt	atcttcacagc	ccacaccacc	tggggcacga	240
aagtggttg	tggaacgaa	cattgctgag	acatcactca	ccattgaggg	catcatttat	300

<210> 1888

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1888

agtaattttt	ttagtttggt	tttgagacag	ctctgtcacc	caggctgagt	acagtggcat	60
gatcatggct	cacagcagcc	tctcaacctc	cctgggctca	ggtgatcctc	ccacctcagc	120
ctcctgagta	gctggtacca	cagggtgtgta	cctgggttaat	tttttggtgt	ttcttataga	180
ggcaggatct	ccttatgtta	cccacaccgg	tctcaaactt	ctggacttta	ggaatcctcc	240
tgccccggcc	tctcaaaggg	ctggacagggt	gtgagccacc	aggcctggcc	ccaagcttgt	300

<210> 1889

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1889

ccaaacttgg	aggtggccgc	ttccagacca	tggaggagaa	gaaagcattc	atgggaccac	60
tgaagaaaga	ccgaattgca	aaggaagaag	gagcttaatg	ccaggaacag	atcttgagct	120
tggtggggct	tcaataaaaag	tttgtttcag	tggaaaataa	cttttattga	gacaaaaaaa	180
aaaaaaaaaa						190

<210> 1890

<211> 187

<212> DNA

<213> Homo sapiens

<400> 1890

cagcctgagg	ccaggttttt	tatttaaatgt	aaatagtttt	tggttgcttc	cgtgggtttg	60
tcaccgtgtg	catcgacccg	tgtgttaaatt	gtggcagtcg	ctgtgttggg	agagccggcc	120
acgcccttgg	cttttagagct	gtgttgaaat	ccatttttgt	gatggctttt	aacccaaact	180
cattgca						187

<210> 1891

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1891

agccaatgtg	cttgcaagtg	tacagatctg	tgtagaggaa	tgtgtgtata	tttacctctt	60
cgtttgtctc	aacatgagtg	ggtatttttt	tggttggttt	ttttgttggt	gttgtttttg	120
aggcgcgtct	caccctgttg	cccaggctgg	agtgcgaatg	cgcgttctct	gctcactaca	180
gcaccgcgtt	cccagggtga	agtgattctc	ttgcttcagc	ctcccagagta	gctgggatta	240
caggtgccca	ccaccgcgcc	cagctaattt	tttaattttt	agtggagaca	gggtttttacc	300

<210> 1892

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1892

ggaacccccca	ccattaagct	aaagtaaaac	ccttttgagg	gaagagggag	actggggaga	60
agggaaaaga	gagaaggcag	ggagagtagg	gagagaaaac	cttccagcag	cccagtaaac	120
tgcgggcgaa	gagatctacc	cgtctccctc	cctcccacag	ttaccattgg	ccttgctcatc	180
gcaagcattt	gacaaagact	tgcttgtctt	gggcctgtca	cctcctgaaa	ggctgcttta	240
gctgtggatg	cccttgatta	agggagagag	cgccctaggag	ctgcctgccc	cagctggggt	300

<210> 1893

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1893

agaggccaga	tcacacagga	atgactggga	ttttaggcct	ggaatgtacc	tttaaaatta	60
tcttattaca	caccatcctt	catttttctc	attttcctct	tttgggattc	atatattaag	120
tattagggca	ttaaaacaca	actgtatata	taaagaaaaa	tataaagtaa	ccacacatgc	180
tcagggaag	acacaggctc	agaaaatgcc	tgagaagaac	ttagtttcac	accccaggct	240
gattctaagc	accgagacag	cctacaacaa	tccaaaaaac	aaaaacaata	aataaaaagt	300

<210> 1894

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1894

ttatttgtaa	ccattataag	ctgcaataaa	caagttaaca	acaacaattg	cattcatttt	60
atgtttcagg	ttcaggggga	ggtgtgggag	gttttttaat	tcgcggccgc	ggcgccaatg	120
cattgggccc	ggtaccacag	ttttgttccg	tttagtgaga	gaggtcagaa	attg	174

<210> 1895

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1895

aaatacctca	ggaaaaacga	ggaggtgaag	tattggattc	ttctcatgat	gacataaaac	60
ttgaaaaaag	taatattttg	ctgcttggac	caactgggtc	aggtaaaact	ctgctggcac	120
aaaccctagc	taaatgcctt	gatgtccctt	ttgctatctg	tgactgtaca	actttgactc	180
aggctggata	tgtaggcgaa	gatattgaat	ctgtgattgc	aaaactactc	caagatgccca	240
attataatgt	ggaaaaagca	caacaaggaa	ttgtctttct	ggatgaagta	gataagattg	300

<210> 1896

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1896

gtcgtgactc	ctgtacaagg	aaaataggct	tggagaagat	tgggtgtcaaa	attaatgaga	60
agagtggaaa	aatacctgta	aatgatgtgg	aacagaccaa	tgtgccatat	gtctatgctg	120
ttgggtgatat	tttgagggat	aagccagagc	tcactcctgt	cgccatacag	tcaggcaagc	180
tgctagctca	gagacttttt	ggggcctctt	tagaaaagat	atatcatact	ttgttctggc	240
ctcttgaatg	gacagtagct	ggcagagaga	acaacacttg	ttacgcaaag	ataatctgca	300

<210> 1897

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1897
 gcaagatccc tccacctgtc attatggtgc aaaatgtgag cttcaagtat acaaaagatg 60
 ggcttgcat ctacaataat ctagaatttg gaattgacct tgacacacga gtggctctgg 120
 tagggcccaa tggagcaggg aagtcaactc ttctgaagct gctaactgga gagtactac 180
 ccacagatgg catgatccga aaacactctc atgtcaagat agggcggttac catcagcatt 240
 tacaagagca gctggactta gatctctcac ctttgagta catgatgaag tgctaccag 300

<210> 1898
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (274)
 <223> n = A,T,C or G

<400> 1898
 ctgggacaag gcttttgaag actggctgaa tgatgacctc ggctcctatc aaggggcccc 60
 ggggaatcgc tacgtggggg ttgggaacac gccaccgcct cagaagaaaag aagatgactt 120
 cctcaacaac gccatgtcct ccctgtactc gacagagtcc gactccatct cagaaannna 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaanaaat ttntgaann ananantnga aaaa 274

<210> 1899
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 1899
 ggggcttctt agggccactc ttaeccacaat gctcactgtg tcaggcaggg gcttcttagg 60
 gccctgttta ccagttgggt cccagggcat cattgtggaa cccatagatg agatactgcc 120
 caccacccc atctcagaa agagggtgg gaagccagag ccttctgcca tgccccagcc 180
 agttcccaca gcataacagg ttctccttg 209

<210> 1900
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1900
 gtaaactctc cccagtccta tcagagcaaa ctttctgggg ttgcatcccc tcagaaacct 60
 atttggggcc caatctcaat gcacatatca gtgcgcaaag cactaaaatt ccaggcaaca 120
 ctttgtattg agagaagcca aaatttttgt caggccctgg gacatctaaa gtcaccaatg 180
 taactacacc atacagatta aaccctcaca tgatcatgta agctatgcag ttacccaagc 240
 tgcattcttt agaaaacctg tacagttttt atggaaacca tccctagtca aggacacttt 300

<210> 1901
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1901

aggacgtccg	ctacttgac	ttcctggaag	gcacccggga	ctatgagtgg	ctggaagcac	60
tgcttatgaa	tcagacggtg	atgtcaaaaa	accttttctg	gttcaggcac	agaccccagg	120
aagcttttcg	ggaagccctg	cacatggaca	ggtacctgtt	gctgcaccca	gactttctcc	180
gatacatgaa	gaacaggttt	ctgaggtcta	agacctgga	tggtgcccac	tggaggatat	240
accgcccac	cactggggcc	ctcctgctgc	tcactgccct	tcagctctgt	gaccagggtga	300

<210> 1902

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1902

cattagtatt	tttgtgattt	cattttttac	acttaaatat	tgattcatgt	ggaattcact	60
ttgatgcagg	gtgcagtagg	gctccagttt	aatttttttt	tagattgcta	ctcagttggt	120
tcagtactgc	ttagtgaata	agccatcttt	attatcttga	gatgtcactt	ttattatgta	180
ctgaatttct	ctgtttatgt	tgggtcttta	gctgtactat	gtggtctctt	ccattgattt	240
gtcttttact	gggctgtgtc	atactgtttt	taattattgt	agtgttatat	tttagtattt	300

<210> 1903

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1903

atctcatatg	agtgagaaa	cttaccagt	cagcgaatgt	gggaaagcct	tccgagggca	60
ctcggacttt	tctaggcata	agagtcacca	cagcagtgag	aggccttata	tgtgtaatga	120
atgtggaaaa	gccttcagcc	agaactcgag	ccttaaaaag	cacaaaaagt	ctcacatgag	180
tgagaagccc	tatgaatgca	atgaatgtgg	gaaggctttt	aggcggagct	caaacctcat	240
ccaacatcaa	agaatccatt	ctggggagaa	accgtatgtg	tgcagtgagt	gtgggaaggg	300

<210> 1904

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1904

cacctgtgct	tgcagccagg	tcaggcccag	ctgcagccca	ggcaggagca	gtcgcctttc	60
ccaccacag	cgtctggccac	agggctccct	gcagggtcag	ggaccagacc	acgcccagag	120
gaggggaggc	actggccccc	gccacaggac	tggagacgca	agaacaaaaa	gaaccaagta	180
gagagagtgg	agctgcttta	ttgcccttgg	agcccgcgct	ctcggagggt	gtcttctgtc	240
gccaagggtc	ccggaccgag	tacacagtgg	cagctggctt	agttggtgga	cggcctgggg	300

<210> 1905

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1905

ggggaaagt	ttcagttgta	ttatagttga	ttctgactat	ttgccataac	tgtattctat	60
acacttgctg	aaaacattga	attagggaa	actgaatcat	ggctcctaag	ggaaagacag	120
ggttaggttc	ctggaagcct	ctggtcacaa	cattttcacc	aactgatcaa	tagataacct	180
tgttttgttt	atgtttgtgt	ttagagacat	ttaatatata	ttgttgactt	actaacatcg	240
aactcatggc	caatagcact	ataacttacg	gctgaacaaa	gcttatcaag	tcttttctct	300

<210> 1906

<211> 148
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(148)
 <223> n = A,T,C or G

<400> 1906
 ccggcttctt catcaacctc attgactccc ccgggcacgt cgacttctcc tcggagggtga 60
 ctgctgccct ccgagtcacc gatggcgcat tgggtgggga ggacngtgn tnaagnngcgt 120
 gcnagcagan ggatacagan acntanca 148

<210> 1907
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1907
 gcgtccttca gatatcaa tcaagcctct aaataagacc aaggagtata cagcctgtga 60
 actgatgaac atatacaaga ctgacaatca cctgaaacat tatttacata tcattgaaaa 120
 caaacccctg tatccagtta tctatgatag caatgggtgc gtcctttcaa tgccctcccat 180
 catcaatggg gatcattcca gaataacagt aaatactaga aatattttta ttgaatgcac 240
 gggaactgac ttactaagg caaaaatagt tcttgatatt attgtcacca tgttcagtga 300

<210> 1908
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1908
 caaggatggg cgcacccgag aaggagaccg cattatccag attaatggga tagagggtgca 60
 gaaccgtgaa gaggtgtgg ctcttctaac cagtgaagaa aataaaaact ttccattgct 120
 gattgcaagg cctgaactcc agctggatga gggctggatg gatgatgac ggaaagactt 180
 tctggtgttg gatgtcaatg atgatttttc tgaggaagta accaaacaag aagacctcat 240
 gagagaggta aacacctttg taaagaatct gtaaccaata ccatgatgtt caggctgtga 300

<210> 1909
 <211> 211
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(211)
 <223> n = A,T,C or G

<400> 1909
 ggactcagag cctgggaagg aggccgctat gcagggtagc actgggaaca ggagaccac 60
 ctgaggctca gccctagccc tcagcccacc tggggagttt actacctggg gacccccctt 120
 gcccatgctt ccagctacaa aacaattcaa ttgctttttt tttngncca aaataaaacc 180
 tcagctagct ctgccaatgt caaaaaaaaa a 211

<210> 1910
 <211> 300

<212> DNA

<213> Homo sapiens

<400> 1910

cttgggagtc	aaccataca	ttaatcattt	gtacagtgc	cttgagatg	ctttagtgt	60
ctttcagctc	tatgagatga	tccgagtgc	agtcaactgg	agccatgtca	acaaacctcc	120
ttatcctgcc	cttggaggga	acatgaagaa	ggatgaatga	ataatggcca	tgatatatt	180
gttattgttc	tgatatgaaa	caaagaattt	agagtttcat	gaagttatac	gtgctctgtc	240
cccacaattc	tgattcagac	caaaatgtgt	taagcttaat	agccttttta	caagtttgc	300

<210> 1911

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1911

gttagtaggt	gcccataact	tcggtggtgg	agatccaaaa	gtgaacaaga	cagtgttctg	60
gctgctaaat	tcttcttaac	tggttatgcc	tgagagacct	cacttggttc	tgtgccagca	120
ctgccccatga	acttcataga	ctgtgatctt	tgctaaggcc	taaatgaatg	aaggtgcagg	180
accggaagca	gaagacagaa	agtggagacc	agatgtttga	agctgggtaa	aggcagggat	240
ggagcaggaa	ccgaggaaca	aaccttgga	ctagagtctg	atgcttggtc	gtctgaaacc	300

<210> 1912

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1912

gttatcaagt	ttgaaaatct	acaagaatta	aagagactgt	gtcactgggg	tcccatcata	60
gcccttggtg	ttatagcaat	atgttctacc	atggccatga	ttgactctgt	gttgtggtat	120
tgcccttac	atacaactgg	aggaagtgtg	aatttcatga	tggtgataaa	ttggactgtc	180
atgattcttt	ataattactt	caatgccatg	tttgtcggtc	cgggctttgt	ccctctgggg	240
tggaaccgg	aaattttctca	ggataccatg	tatctccagt	attgtaaagt	ctgccaagca	300

<210> 1913

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1913

cccctttgcc	ttccccatga	ttataagttt	cctgaggcct	cctgggacat	gcggaattgt	60
gactcaatta	aacctgtttt	ctttataaat	taccaggtcc	ccagcagttc	tttatagaag	120
tgtgaaaaca	gactaataca	atcctgaagc	atttcatcaa	agaattgtaa	caggagatga	180
aacatggctt	caccagtatg	atcctgaaga	aaaagcacia	tcaaagcagt	ggctatcaag	240
aggaggaagt	caaagcaaa	cagaccagtc	aagagcaaag	gtaatggcaa	cagttttttt	300

<210> 1914

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1914

accgggccc	cgggggccac	cagggccttc	cattccaggc	ccaccaggac	cccagggcc	60
accaggagg	gtttgccagg	cccaccaggc	ccaccaggat	cgttcctgtc	caactcagaa	120
accttcctct	ccggccccc	aggccacct	ggccccccag	gtcccaagg	agaccaagg	180
ccccaggcc	ccaggagaca	ccaaggcgag	caaggcctcc	caggtttctc	aacctcagg	240

tccagttctt tcggactcaa ccttcagggg ccaccaggcc cacctggccc ccaggggaccc 300

<210> 1915

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1915

gtgaagaaga ataaaagaga aagaaaggaa gaacggcaga agaaaaggaa aagagaaaag 60
 aaagaactaa agttagaaaa ccaccaggaa aactcaagga atcagaagcc taagaagcgc 120
 aaaaaggggac aggaggctga ccttgaggct ggtggggagg aagtcctga ggccaatggc 180
 tctgcaggga agaggagcaa gaagaagaag cagcgcaagg acagcgccag tgaggaagag 240
 gcacgcgtgg gcgcaggga gaggaagcgg aggcactcgg aagttgaaac agattctaag 300

<210> 1916

<211> 213

<212> DNA

<213> Homo sapiens

<400> 1916

gtgatgagat ggggaaagtg ggctcaggag gtctggatct gtgatgagat ggggaaagtg 60
 ggctcaggag gtctggatct gtgatgagat ggggaaagtg ggctcaggag gtctggatct 120
 gtgatgagat ggggaaagtg gtctcaggag gtctggatct gtgatgagat gggcggaagt 180
 gggtcatga ggtctggatc tgtgatgata tgg 213

<210> 1917

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1917

gcagggtatta tattatgaac tactagcaat tcgagaagcc tgcatacagtt tggagaaaga 60
 ctatcaacct ggaataacct acattgtagt tcagaagaga catcacactc gattatcttg 120
 tgctgatagg acagaaaggg ttggaagaag tggcaatata ccagctggaa caacagttga 180
 tacagacatt acacacccat atgagttcga tttttacctc ttagccatg ctggaaatac 240
 ggggtaccagt cgtccttcac actatcatgt tttatgggat gataactgct ttactgcaga 300

<210> 1918

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1918

agggattgtt gaagaaactt ctgaagaggg aaactctgta cctgcttcac aaagtgttgc 60
 tgctttgacc agtaagagaa gcttagtcct tatgccagag agttctgcag aagaaatcac 120
 tgtttgctct gagaccagc taagtctctc tgaaactttt gaccttgaaa gagaagtctc 180
 tccaggtagc agagatatct tggatggagt cagaataata atggcagata aggaggttgg 240
 taacaaggaa gatgctgaga aggaagtagc tatttctacc ttctcatcca gtaaccagg 300

<210> 1919

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1919

cttccttgta taatactgat cattctatct tagcggtaag aaccaagaa ggagtatgga 60

tacctgtaaa	gctttctggt	ccttggaag	cctctccttc	tgtgcatatt	attactgaaa	120
ttcttcaaaa	gattctgaga	tgctctcagt	gtttcattgc	tactttaatt	ttaatcatta	180
tgggattgat	tgctgtcaca	gctactgccg	cggcagctgg	agttgctttg	catttcacag	240
tacaaacagc	agactatgta	aataattggc	agaaaaatc	tactttgctg	tggaattccc	300

<210> 1920

<211> 262

<212> DNA

<213> Homo sapiens

<400> 1920

cccaggctct	ggggcagcgc	aggaggggta	ggctgggagg	ggctgccgca	gctgttcact	60
tgggcaggag	gccgctatgc	agggtagcac	tgggaacagg	agaccacact	gaggctcagc	120
cctagccctc	agccacactg	gggagtttac	tacctgggga	cccccttgc	ccatgcctcc	180
agctacaaaa	caattcaatt	gctttttttt	tttggcccaa	aataaaacct	cagttagttt	240
tgccaaaaaa	aaaaaaaaaa	aa				262

<210> 1921

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1921

ttgagacgga	gtttcaccat	gttgccagg	atggtcttca	acttctaact	tcgtgatcca	60
cgctgctggg	attacaggtg	tgagccaccg	cgtgtggcct	ctgggcacct	tttgaagctg	120
aagcagagag	agaaggcggc	aggcatcagc	gttttcttct	atgaacttat	aagatcaaag	180
actttaagac	tttactatt	tcttctaccg	ctatctacta	cgaacttcaa	agaggaacca	240
ggagtacgga	aggagcatga	aagtggacaa	ggaacgtgac	cattgaagca	ccacagggag	300

<210> 1922

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1922

gggggacacg	ttggctgcgt	tttcggcggg	cttcccggt	acaaaaatgg	ctgtggctag	60
cgatttctac	ctgcgtact	acgtagggca	caagggcaag	tttgggcacg	agtttctgga	120
gttcgaattt	cggccggacg	gtgtttacgt	gtaattgttc	accataggac	gcatgaagag	180
taccaagcaa	gaggggagag	gaaagcttag	atatgccaac	aacagcaatt	acaaaaatga	240
tgtgatgatc	agaaaagagg	cttatgtgca	caagagtgtg	atggaagaac	tgaagagaat	300

<210> 1923

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1923

ctcccatcc	cggagggagg	agacagttac	tgtctatccc	gcagacgtgg	tgctctttga	60
agggatcctg	gggcagaatg	aggtggacta	tcgccagaag	caggtgggtca	tcctgagcca	120
ggatagcttc	taccgtgtcc	ttacctcgga	gcagaaggcc	aaagccctga	agggccagtt	180
caactttgac	cacccgatg	cctttgacaa	tgaactcatt	ctcaaaacac	tcaaagaaat	240
cactgaaggg	aaaacagtcc	agatccccgt	gtatgacttt	gtctcccat	cccaggagg	300

<210> 1924

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1924

ctgggctcat	gcaatccacc	tgccttgccc	tccaaagtgc	cgggattgca	ggcataagcc	60
actgtacccg	gccccaaacta	atTTTTgtat	TTTTTgtata	gatgggggtt	caccatgtcg	120
gtcaggcttg	tcttgaactc	ctgagctgaa	gcaatccacc	cgccttacc	tcccaaaggt	180
gctcatatta	caggcttgag	gcaactgtgcc	tggccatggg	tgccatctat	ctaaagagt	240
atgaacttgg	tgTTaaacca	gtaattgaaa	tcaccaagtt	cctaccatca	tgagctcagt	300

<210> 1925

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (270)

<223> n = A,T,C or G

<400> 1925

ccccagtgtc	ctcctccttc	tccggccaga	cccagccccg	cgaagatggt	ggaccgcgag	60
caactgggtc	agaaagcccg	gctggccgag	caggcggagc	gctacgacga	catggccgng	120
gncatgaaga	acgtgacaga	gctgantgat	ccnntgtcna	angaggaacc	gaaaccttnt	180
gnntngagga	ctnnngtaac	gntgtgnggt	tnngctgnnt	ntttnttnaa	ttttatgtgn	240
nggnctgtnt	nnanngtnc	tttttttagt				270

<210> 1926

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1926

acagcttcca	cgtttctgtc	cacttctggt	tgccaggaga	cagcaagcaa	agccagcagg	60
acatgaagtt	gctattaaat	ggacttcgtg	atTTTTgttt	tgactaaaag	tttctgtgat	120
TTaacaataa	aattctgtta	gcagagaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	180
aaaaaaaaac						188

<210> 1927

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1927

ggtagacatg	cacgttgtca	ggggaagaga	tggtgtgaa	tattctcttg	gactgacccc	60
gacaggcata	ttaattcttg	aaggagctaa	caaaataggc	ttattctttt	ggcctaaaat	120
taccaaagt	gattttaaaa	agagcaaatt	gacactcgtg	gtggctcagg	atgatgatca	180
gggacgtgag	caagagcaca	cgtttgtgtt	ccggttagac	agtgccagga	cctgcaaaca	240
cctttggaag	tgtgcagttg	agcaccacgc	attcttccga	ctgcggacgc	caggaaacag	300

<210> 1928

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (284)

<223> n = A,T,C or G

<400> 1928

aaattgtctg ccattacacc agaaggatgc ctctgatagg aggacaacca tgcaaatgtg	60
gaaatagtc tgaagttctt ggattacttt acacctcagt attgatttgt cccagaattt	120
tctggccttt catggcaatg aaaattttta gaagaaagat ttaaagtatt ttaattttta	180
agagtgtgtt ataaaataat gtactgaatt ctttatcccc ttttatcctc ctttcagttt	240
ttattaatct actgtatcat aaattctgta antngatgng agga	284

<210> 1929

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (291)

<223> n = A,T,C or G

<400> 1929

ctcgagtttt ggatttggag agaaatattt taatttttta atgcagttac aaattataat	60
gtattcatat ttgtactttc tgtaaaaatg catgattgca gaattgttta gatttttgtg	120
ttattcttga tgaaaagctt tgtttggtct tgtttttaag tttgcactca aatcttaaga	180
aataaatcca cccatgttat caaaaaaaaa aaaaaaaaaan ttnnnccttn aaaannaann	240
ggngngcnan naccnaaaac ccnnncnna aaaaancctt ggannatttg g	291

<210> 1930

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1930

gctcagtgtt gtaattccct attctagcac tctcaaaagt accccatctg ttacacatgc	60
agaaactgca gcagcatctg aaatgtccac ttcttgatc attctgaact cccttaagcc	120
cagtgtttgt tagttctcgt tcaagtctag gaactctgcc gagtaacagg tatctcaatt	180
ttgccatcct ttctttctgc atagacagga gtgttcttaa atcttctcct gtaaagcaag	240
tcattctctga ttccctgag gatcattgct cccgtatact gttgttgggg tgagccttct	300

<210> 1931

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1931

cccactgccc catcagtatg ggcattgaacc tcaactgctgc cccccgatg aaatgctttt	60
gccagcaccc cacatcagag tgatcttgcc agcagactgg gaacatctca ggccctcgag	120
cacagcaggt gcttaaattt gaggtcccag ataacaaagc cgtgggtctg gtaccaggcc	180
ctgtgggtta gagcatgcag cccacgagtg ctgagagagc cttggccccc tgaaataatc	240
caaaaacaaa gccagtcctc tgaacacaac ttataccata gtcaaacctt caatggcatc	300

<210> 1932

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1932

attctctctc	cataccaccc	cccaaaaatt	ttgcgcgtc	caacacttca	acactatttt	60
ggttttatttg	tcttattaat	atcagaaggc	aggaatgtca	ggcctctgag	cccaggccag	120
gccatcgcat	cccctgtgac	ttgcacgtat	acatccagat	ggcctgaagt	aactgaagat	180
ccacaaaaga	agtaaaaaca	gccttaactg	atgacattcc	accattgtga	tttgttcctg	240
ccccacccta	actgatcaat	gtactttgta	atctccccc	cccttaagaa	ggttctttgt	300

<210> 1933

<211> 208

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (208)

<223> n = A,T,C or G

<400> 1933

gctggtgta	gggttctttg	tttttggggt	ttggcagaga	tgtgtttaag	tgtgtggcc	60
agaagcgggg	ggaggggggt	tgggtgaaat	tttttgttat	gatgtctgtg	tggaaagcgg	120
ctgtgcagac	attcaattgt	tattaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	180
aaaaaaaaaa	aaaaaaaaaa	cccccccc				208

<210> 1934

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1934

ccagcatggt	ggatgatgtc	ttctacattg	ttaagaagag	cattgggcgg	gctctgtcca	60
gctccagcat	tgactgtctc	tgtgccatga	tcaacctcgc	caccacagag	ctggagtctg	120
acttcaggga	tgttctgtgt	aataagctgc	ggatgggctt	tcctgccacc	accttccagg	180
acatccagcg	cggggtgaca	agtgccgaga	acatcatgca	cagcagcctc	cagcaaggca	240
aatttgacac	aaaaggcatc	gagagtactg	acgaggcgaa	gatgtccttc	ctggagactc	300

<210> 1935

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1935

aattccaatt	ccacattttc	aagaaataag	gaggcaaaaa	tgttcatata	tgaattggaa	60
ttatttgttt	tcttattagg	ccgagatgcg	ccgcgtgcgg	ctgctggaga	tggcgagcgc	120
gatggatatg	ttctgccaa	ggttggtttg	cgcattcaca	gttctccgca	agaattgatt	180
ggctccaatt	cttggagtgg	tgaagaaaga	aaaaagttga	actagatttg	gtctgatgca	240
gttacagatt	tacaaactgt	gccccaccc	tcctgcagac	accttccact	cctcattctt	300

<210> 1936

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1936

cccagcccta	gatactggca	ctactgagga	ggatcgttta	aaaattgatg	taattgactg	60
gttggtatgt	gaccacgcgc	agagggcaga	agcactgaaa	caaggcaatg	caattatgag	120
aaaattcttg	gcataaaaaa	agcacgaagc	tgcaaaagaa	gtatttgtga	aaattcctca	180

ggattctata gcagaaatct ataatcagtg cgaggaacaa ggaatggaaa gtccacttcc	240
tgctgaagat gataatgcta tccgagaaca tttgtgcatc agagcttatt tggagccca	300

<210> 1937
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1937	
ggtacccagt aggtatcggt ggaaacaacg gagttctctt ttctgaatct gcaaaaaagg	60
gtactcactt tgtccagtta tgctgccaaa gaaatattcc tctgctgttc cttcaaaaca	120
ttactggatt tatggttggg agagagtatg aagctgaagg aattgccaaag gatggtgccca	180
agatggtggc cgctgtggcc tgtgcccaag tgcctaagat aaccctcatc attgggggct	240
cctatggagc cggaaactat gggatgtgtg gcagagcgta tagcccaaga tttctctaca	300

<210> 1938
 <211> 149
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(149)
 <223> n = A,T,C or G

<400> 1938	
gcgagtcgta gtgtcgctgt ttgcgggtct ccgcgcggga ccggggcgca gcggggtcgc	60
tgaggcgagg gtgtcatgtc agacaacgag gacaattttg atggcgacga ctttcatgat	120
ntggagnagg atnangntct atatgactt	149

<210> 1939
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1939	
gatgaggagt gtttaatcat tgatacagaa tgtaaaaata atagtgatgg aaagacagct	60
gttgtgggtt ctaacttaag ttccagacca gctagtccaa attcttcctc aggacaggct	120
tctgtaggaa accagactaa tactgcttgt agtcctgaag agtcatgtgt tttaaaaaaa	180
cctatcaaac gagtatataa aaaatttgat ccagttggag agattttaaa aatgcaggat	240
gagctcttaa agccaatttc cagaaaagta ccagaattgc ccttaatgaa tttagaaaat	300

<210> 1940
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 1940	
ggggcttatt tcatccctac agtctcgacc atagaagaca gctacacca agggggccat	60
tttagaggcc caccctcagg ggcacattct ctttctcagg gatgttcctt gctgagaaaa	120
agaattcggc gatatttctc ccatttgctt ttgaaagaag agaaatatgg ctctgttccg	180
cctggctcac cggcggtcag agtttaagggt tatctctctt attccctgaa cattgctgtt	240
atcctgttct tttttcaagg tgcctagatt tcatattgtt taaacacaca tgctctacaa	300

<210> 1941
 <211> 300

<212> DNA

<213> Homo sapiens

<400> 1941

gcagcttgaa	ggaaagactt	ttaaaggtac	atgatgaaga	aaaccaaatt	aaataattgg	60
ttaggtacag	ttcatagtta	cttgatttgt	acaattaagg	tggacatttc	ctggttatgt	120
aatcagaggt	taattggcag	tttatgattg	gttaagccta	aatttttgtt	tccttcaatt	180
cagtaatttg	caaaaaaatg	catttgagtt	agagttttta	aaaaatagga	acccagggac	240
tagagtaacc	tccgtcta	tgccgtctac	ttagttattt	tcacactcca	caggggactg	300

<210> 1942

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1942

gggagggcac	acctggggga	cagcagcggc	gggagtgtgg	tccgactggc	ctggaagatc	60
ttgggcagag	ctgacctcag	agaacagtgc	gggtctctcg	ccctcctggg	gcagtcccca	120
ggacgaggtg	ccaggtgcct	ggcccatgtt	gcagggggcc	gtggagccca	tgcatatcga	180
cgtggacccc	caggaagacc	cgcagaatgc	acctgacgtc	aactacgtgg	tggagaaccc	240
cagcctggat	ctggaacagt	acgcggccag	ctacagcggc	ctggccactg	ggtgccaccc	300

<210> 1943

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1943

gcatatgctt	gtctcaaaga	ttaagccatg	catgtctaag	tacgcagggc	ctgagtctct	60
gccctcgtgg	gcgttgagtg	acactgattc	tcgcgtgtct	cgggcctctc	cggcagggag	120
tcctagcgca	gactttgcgg	ttcatggaga	gtctctggga	gacaggcacc	tgccgacgct	180
gcagataagt	tacgacgcac	tgaaagatga	aaattctaag	ctgagaagaa	agctgaatga	240
ggttcagagc	ttctctgaag	ctcaaacaga	aatgggtgagg	acgcttgagc	ggaagttaga	300

<210> 1944

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1944

aaacaacgga	gttctctttt	ctgaatctgc	aaaaaagggt	actcactttg	tccagttatg	60
ctgccaaaga	aatattcctc	tgctgttcct	tcaaaacatt	actggattta	tggttggtag	120
agagtatgaa	gctgaaggaa	ttgccaaagg	tggtgccaaag	atggtggccg	ctgtggcctg	180
tgcccaagtg	cctaagataa	ccctcatcat	tgggggctcc	tatggagccg	gaaactatgg	240
gatgtgtggc	agagcgtata	gcccaagatt	tctctacatt	tgcccaaatg	ctcgtatctc	300

<210> 1945

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (230)

<223> n = A, T, C or G

<400> 1945

gtcaacctct	accacgtgcg	ggaggatggc	tggatccgag	tctccagtga	caatgtggct	60
gatctacatg	agaagtatag	tggctctacc	ccctgaaaga	gggtggatgc	agntgcttgt	120
gntncatggg	gtgactgtca	atcggtatnt	actgnanacn	tatgactnna	ctcctncatc	180
cctantanta	gcgtanatnn	gtnnttttnag	gatctatttn	tngttgntnt		230

<210> 1946

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1946

gcatattgtg	gagaggcaca	gttcaggagg	aatagggttc	gtcttgaaga	ggaggacact	60
ttcctgtgaa	tcatgaggga	cagaagatcc	atatagaaga	agacaatagc	tttgatcttc	120
tattacaaga	aaaggaatgc	cagtgtgaaga	gatggcatga	tatggaagtg	tattcctttt	180
caggcctgca	gagtgtccct	cccttggttc	cagaacgaag	atccacactt	gaggactact	240
ctcagtcgct	gcacgccaga	actctgtctg	gctctccccg	atcctgttct	gagcaagctc	300

<210> 1947

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1947

ttcaaatctg	ccactcccag	agcccgtgga	actctggccc	aaggctctct	gactgactcc	60
ttcttggtct	agcggctgaa	gactgacact	gcccgatcgc	ctcagaaacc	ccgtagacca	120
tcacggacgc	cgagcttttag	ttaactctca	cagtggagga	aggcaggaat	gtcaggcctc	180
tgaacccaag	ccaagccatc	acatcccctg	tgacttgac	gtatgcacgt	atgcacctag	240
atggcctgaa	gttactgaag	aatcacaaaa	gaagtgaaaa	ggccctgccc	cgccttaact	300

<210> 1948

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1948

agtcaatgtc	aattcctcaa	agcagtctgg	ttatatctga	aaatacatga	ttctagtcaa	60
agccttggtg	aaataaccag	tgtttccaat	tgtgtcctgt	tacaaaacaa	aacagattct	120
tactgaattt	atgcaaacaa	ctacattgcc	ataaagtaag	aatactcatg	aaaagtttcc	180
aaattctgga	gaactcaggt	agaggggaga	agtaaatttt	gtcacaaaa	gtatccttta	240
caatcagagt	agcagtcttc	caaacaggat	gttgcccgtt	catcatggaa	cggccatcca	300

<210> 1949

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1949

atcaaacact	acctgaaatt	attggcatgt	ggaccccggc	tcagaaacac	tgacataaag	60
acttaaattg	aatgggattt	gttttcaaaa	gatttgactt	ttctctgtaa	aaaacacagc	120
aacaaggcaa	caggggaatat	taccaaagtt	tcccaaaggc	ttgtatagga	tttgaaaaag	180
ttgggggaag	aatttaacct	taaaagctta	actgattttc	aaacacctgc	aaatacataa	240
ttacagatcc	tgtgaagctt	aaccttggtg	gtgttaaattg	ttagctagaa	tgtcacaagg	300

<210> 1950

<211> 300

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cctgaagaga cttttaacnt antnaccaca gctattnatn atgcggtng caacaaacca 480
gcaacnactn acaagcgtca taaagaagtt cagactntga acaattggng aaaggtngat 540
tncagaaccc gncgtgcaaaa aagccatcan ncaccataan taaaaaagaa ccncangaac 600
anggggaaac ccngtgggaa naaaggaagt anaanntngc cacctcangt tnaaccatta 660
aaaaaccctng gaaaanctgg ccannaggga aaccctttaa aangcaaaag nncctnggc 720
aaaaaaancc ccgggggaatt taancccaan gggncccaaa ggntnanntg gggccnnaan 780
nggggnaaaa aaangggggc nnggaaaccc ccagggnnaa ntncnaaagg ggaaaaagna 840
aaaannangg ggggncnnnn naaaaaaaa ann 873

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<210> 2843

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (777)

<223> n = A,T,C or G

<400> 2843

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tgggttttng gnttngggct ttcttnanat gntgtaancg ctgctngccn cancanntg 60
gctggncgaa ttcggcacga gaaatggggg gtgttcttca tagtggattt ctttttttaa 120
acataccatc tttgtgtata tacatttctc tggaaatgtt tgtgaaaagg taaagataac 180
ttccttagtg taattgtgtt gaagtggaat gtttctagt tttgtgaaga tatcaattgc 240
tggctgatat tttaagctgg atgaaaaatg tgggtgaagt aatcttaaag ggtgatagat 300
ttgatatgag aaatttaaag taatgtgtc agtgcgtagt ggtgataaaa gaatgtagcc 360
tactgtttt ccatagacta tatttcatca ttgttgcata aagtccttt tggccaattt 420
agtgaatgct gctgggtctt caggaaaaga aatcgtttgt ctttaaccag agaaataatt 480
gtgggtagag aaagtagtct ttttcttgat gataaaaatt cattttanct ttttaaatta 540
cagtggtaat agctttagt aatagnggta atatccttgg tttttggcta atgattttta 600
ntgtgtctcc ncttaatnt ntncgaatt attttnanng tgaccaaacc cntntatnn 660
acntngcctt naacaaatcc ncncttnant nctctncnc nnaaanncn nncanctccc 720
ncctncnc cennntcncc tnacncaccc ccncncnc tctcnctcn cccccc 777

```

<210> 2844

<211> 892

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (892)

<223> n = A,T,C or G

<400> 2844

```

tntaggcct tnnnnanng ggtntttctt ntccantann ccgtgtggtc tcgttctttc 60
tcnnannanc nanncttgtc gctgggctca ggcaatncac ctgccttggc ctccaaagt 120
ccgggattgc aggcataagc cactgtaccc ggcccact aatttttgta tttttgtag 180
agatggggtt tcaccatgtc ggtcaggctt gtcttgaact cctgagctga agcaatccac 240
ccgccttacc ctcccaaagg tgctcagatt acaggcttga ggcactgtgc ctggccatgg 300
gtgccatnta tctaaagagt gatgaacttg gtgttaaacc agtaattgaa atcaccaaa 360
ttctaccat catgagctca gtctanntgg angagacaga tgaaccaatt angcanntct 420
gntgaatttt ggggttcanc agtgccana ggtggggtgt agtgaagagg aatgccanaa 480
ttttggagag gtggagcaca cgaccacgg gtactttctg aggatgtaac ncanaagtcg 540
tgatcagaaa gganganagg ganacanntg gggaaantnn ctgggaaana ncngtcnatt 600
ccaggcagtc agcttgctnn ancncnttgg gccttncttt nanaacnccc tttgcctttg 660

```

```

gaatnccttg aaccenaagt tttcaacttn aaaagaaatt cctttggggn anngaaannc 720
ntatatcacn ctntatnac aaaaaaacnt tcnaaancc ncttttttan aaaacctttt 780
ttccctngnn aggtcccnna atttttaacc ntangnaatt cccntaacc tttgntattt 840
aagnattncc catttnggna tcaanntttc tngngaaccn aantcccccc ct 892

```

<210> 2845

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 2845

```

gnnnnnnnnn ntgnnnnnnn nggggggntt tnnttttttc aaanggcgtg gaactcgttc 60
tntccgcaac agcccnngcn ntcgcttctt ctcaactctc tgattgctta tataagtgc 120
gtcttctgaa ggaaagttca gcattttttc tcagatatga taataatata tgctaagatc 180
ttggccaggc acggtggctc acacctgtaa tcccagcact ttgggaagcc aagggtggcg 240
gatcacttga ggtcaagagt ttgctgcctt caaatcaatc attacttctt agcacctctt 300
gaaatagaaa ataaaaaatt tggccaggcg gtggccaggc gcagtggctc atgcctgtaa 360
tctcagcact ttgggaggct gaggtgggaa gatctcttga gcccaggagt ttgagaccag 420
actgggcaac acagggagac ctcatctcta caaaaaagaa aaaaaaaaat taattagcca 480
ggtgtggccc catttgtaca aaaaaaatt ttttttaatt agctgggcat ggcatgtac 540
acatgtggtc ccagctacta gggaggctaa ggtgggagga acgcttganc ctgggatgtc 600
aaggctgcgg tgaggtgtga ttgcaccact gcactccagc ccagcaacag agaaagaccc 660
tgtctcaaaa aggaaaaann annnaaaaaa actcgagcct ctagaacttt agtgagtcgn 720
attacgtana tccagacatg atangatcat tgatgagttt tggacanc 768

```

<210> 2846

<211> 905

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(905)

<223> n = A,T,C or G

<400> 2846

```

ttggggtntt taggtgtggg ntttctttt tttnaatngc cngggntctc gttctttctc 60
gnagnagcnn ngcgnttcgc tcaccaagga acacaaataa acagttgatg aatccatcac 120
atcagtgatg aatccagaat gtgtccatca ttttcgtaag tcttagtatg cagagaatct 180
cagatagcaa agcagaaagg atgatgtcac agacgccttg ggtacccagc acctggatgc 240
agctgtttgt acacacatac tttctgatat tatgttgaca gtgacttaca ccacttcaac 300
ctcaggcagg attctatcag tttctttact acagattgat ttgtttcttt aataatnatt 360
gtaattactg tcagtaaaaa tctgagtctg actcagcaat tagttgctgg taactgagtg 420
tgttctaagc ctggggaaaag gatataaaac tngtattttg aacagaaagg cncacatgtg 480
ggtgagcagt gtttaccacc acagaatttc cgtcttcaca naatnganat anctgcacat 540
gaangtatag tnagcantgn angttntttt nnanaaagta aaagttaaatt taccntnat 600
aagcctnctg gattttnncg nnnttngttc tgnatttctt cctntgccnc cttcaaattn 660
naantttana nggtntnctt nttctnctca atatctctcc ccnacanntn tngttnttgc 720
nctgannccn natctcttcc ntcnnncng atggtgtatg nncnnggcna ttncttcnac 780
ccattnttat cttatctntc nnatcntttn atnntcntnt ncctcatngg naacnnttac 840
acnttnnang nttntngggc catnntctnt gttcatntgt ggggntctna gnatcttttt 900

```

ctaan

905

<210> 2847

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (774)

<223> n = A,T,C or G

<400> 2847

tggntttttna	gngtgggnt	tcttttttac	taatggctgg	gctacttggt	cttttngcag	60
gcatcccatc	gnttcgatct	gaaccacatg	aagttgagta	aaaaaagcaa	tttgagaaag	120
gatacataca	aaatgacacc	atztatatag	tagactgaaa	gcatgcagaa	caatccattg	180
ttgtttacgt	gtgtaacagt	cataggaatg	acaaccactg	ccttcagaat	tatggcgacc	240
tctgcgatgg	aagagaatgg	gatcagagaa	ggatacacaa	taggctttaa	ctgattttgt	300
gattattgat	attagaaatg	tttaaaatta	agatattaac	atttcataaa	gctgagtggg	360
gagcacacca	gtgttatatt	ctctctatat	aacttttgtg	atatttgaaa	tgttttctca	420
taaaaagtat	ttaagcaagt	ttaggaaaga	atattgataa	atgaaattgg	tagagaacca	480
tgaattaca	tagatgcaga	tgcagaaagc	agccttttga	agtttatata	atgttttcac	540
ccttcataac	agctaacgta	tcactttttc	ttattttgta	tttataataa	gatagggtgn	600
gtttataaaa	tcaaactgtg	gcatacatte	ttctatacaa	acttgaaatt	aaactgagtt	660
tttacatttc	ctcttttnana	aaanannntn	ttacnttnt	nnnnannnt	ntcnncccc	720
tncnntntcc	nctntcnctn	cnnttctnnn	annanattcct	tncctctnct	tnnn	774

<210> 2848

<211> 806

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (806)

<223> n = A,T,C or G

<400> 2848

ggtttttcnn	naggccgggt	tttctcnnng	nctctnctcg	cccngnanc	nccctctcgc	60
cgaannagct	nggcgggtggg	cgatttatatt	gccctatttc	ctccatgtac	ggagacatta	120
cnttttntgc	ccagtcagat	ttttttcatg	ctatctttta	gtcagattta	atttaattgtg	180
tatttctagt	ttattgcttc	tgccatgttt	tattctttat	gaagatcccc	gagtattgag	240
tgtgccagtt	accagattct	ctcccagctc	taaattacct	cttcattact	tgatctgcaa	300
tattggagcc	taacccttta	ggccaggggt	gtccaatgtc	ttggcttccc	tgggccacat	360
tgaagaatt	gncttgggccc	aatgtggact	ctatatggta	taaaggagta	tgtaaaactgt	420
ggagagaagt	anggctattt	tctacagcag	tggctctcaa	attttnnaat	ngggtacctt	480
accagaaaac	atttgaatan	aaaacctcaa	tatnagtatg	tcctaattat	aaatcatatg	540
tataaatata	tatactatnt	cggttatat	agnntttca	agtctgctta	tgatgtaatt	600
atatgtnnca	gaacaatttn	aataactct	ttttcngnt	cnccttcaan	cgggtcaatcc	660
cnttgnacng	gnnaccnact	tnccttcata	nnnnctnnct	taaccagtga	aagntnnang	720
nctnnnnaaa	aacctctttc	ccnaanataa	ncntngccct	ccnttnccca	ttncantcgg	780
cnaaacnna	cnnnattgnc	cccnn				806

<210> 2849

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 2849

tggtnnnnnn	ngnnnggggt	ntcntttntt	atnanggetg	gactanttgt	tctttcngca	60
gcancccatc	gattcgaatt	cggcacgaga	taacgcccgt	ggtgccccat	ccctatagga	120
gctggtgaga	ttgcagcctg	ctgcctcccc	tccatcagcc	acagctattg	gatttcccac	180
ccagaatctt	taggtaaatg	agatcatgat	tctggaagga	ggtggtgtaa	tgaatctcaa	240
ccccggcaac	aacctccttc	accagccgcc	agcctggaca	gacagctact	ccacgtgcaa	300
tgtttccagt	gggttttttg	gaggccagtg	gcatgaaatt	catcctcagt	actggaccaa	360
gtaccagggt	tgggagtggc	tccagcacct	cctggacacc	aaccagctgg	atgccaatg	420
tatccctttc	caagagttcg	acatcaacgg	cgagcacctc	tgcagcatga	gtttgcagga	480
gttcacccgg	gcggnaggga	cggcgngca	gctcctctac	agcaacttgc	agcatctgaa	540
gtggaacggc	cagtgcagta	gtgacctgtt	ccagtcacac	cacaatgtca	ttgtcaagac	600
tgaanaaact	gagccttnca	tcatgaacac	ctggaaaagc	tagaactatt	tatatgacac	660
caactatggt	agcacantag	canagtnacc	nnattggnnn	aaggagcatg	acnccctnct	720
gatttcnaaa	tcangtgatg	naagcntgng	aagtgann			758

<210> 2850

<211> 829

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(829)

<223> n = A,T,C or G

<400> 2850

ttttccntnt	nggcctnnat	anggggcttt	tctaateccag	atactgggnet	ggtttncgca	60
cgcacnccan	cnnttcgaat	tcggcacgan	caaanacaag	ccttmatgga	aaaggaatn	120
cnctcccctc	catgtatatg	gatganggga	gcagcacaa	ncacactccc	accatcctca	180
cnnaattcct	ggacccatgc	ggtggctccg	tgagctgggt	gactccagcc	tnacctgcac	240
accccaaccc	tgcnccgggc	cnttcttctc	accancatgc	cctcggtnag	ctaggaattn	300
agatccctgc	ntgtgaanna	nggaactnat	gtgcacagaa	tcncaggnn	tgccatatcc	360
ttnggcata	tttagatnaa	gtcgccctgn	ntncagantg	accccgnggc	tctncagnga	420
gttntcaagc	cccangaaat	cggccttgga	tgctctcntt	acaagacagn	ntnacnctg	480
ggccctcgtg	catnnncttc	actgnccccc	tggatccccc	cattaccccc	aaangacagn	540
gggnaaacac	anngnnanan	cacancnttg	nccctccag	cncnnttcac	nggcancctc	600
ttnnattcac	cccgnttccc	nccnnnacct	ntcccccca	anccnnnaca	ancntnntcc	660
ccaactacan	gccccctttt	ccttggngn	aaaatgctcc	nttggtancc	cagttataaa	720
aangccntnc	ngcccccttc	ancntgatcc	tcccgcacnc	ncanaccctc	annccaann	780
attnaannac	ccaatcccc	cnnaaaacc	ctcctttcca	ncttnnnct		829

<210> 2851

<211> 847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(847)

<223> n = A,T,C or G

<400> 2851

ntaggnncnn	nnnnagnngg	ctttctaatt	tactannggt	ggactagtng	tncncnnaan	60
ancntnnecn	tgtcgaattc	ggcacgaggg	gtgacttcct	gtgacctcca	aaggaagtct	120
cagctctgct	agaatgggac	caaagcccag	ctccaccttg	aacttgngtc	atagccttgc	180
ttcttggtcc	ctctncttan	cggggcanat	gccttgctct	ttgataaagg	cttnctgtca	240
ccttctgagg	gctcttggtc	tttttgagg	tggatgccat	tacctttacc	gctgagcctn	300
ccgcaattgc	tntgttcaca	cgctgtccgc	catctgcctg	caagggccca	ngcagggtn	360
tactcatcat	tatgtcattg	nttnaataga	agcctaatat	nttgtagata	gtagtcagga	420
agcccagaaa	attgggtatg	ttctatagat	ttaccacat	tgcttattgc	tgtntcnctt	480
taataaagnt	taacgaaagt	naancaaacc	acantacccc	ccaaagacag	nnnngggaaa	540
cacactngng	gaaagcccca	ncatggcccn	ccttcnanc	cccttttang	gnactcttng	600
nnatcaaccc	gggntaccgc	tcnccactt	gntgcccena	cccactccag	nnntnttncc	660
aaannacaac	cnttntntc	ccntggggga	aaaatgnntn	nttggggtn	cnngntn	720
aaaaagccn	naatgggttn	tcttaacctt	nttncnnc	tacnancctt	cnacnttn	780
accccaaata	antcanncna	cntcctaanc	ncannnnnn	aaagccctt	ctncanctac	840
ttntnct						847

<210> 2852

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(765)

<223> n = A,T,C or G

<400> 2852

cngttncnna	aacngtctgn	ggaaaagccc	cctttntgca	ngatcccatg	cgattcgccc	60
tcacttccca	ctgagcaggt	gccatcccag	gagatgcttt	tgggtggcgag	accttcccct	120
cctgtgcagt	ctgtgtcccc	tgctgtgccc	acacctccct	cgatgtctgc	tgccctgect	180
ttccctgcag	gtggtatggg	aggtggcatg	ttctaaactc	tagactagt	ctttaccttt	240
attaatgaac	tgtgacagga	agcccaaggc	agtgttcttc	accaataact	acagagaggt	300
cagttggaga	aaatgaagaa	aaaggctggc	tgaaaatcac	tataaccatc	agttactggt	360
ttcagttgac	aaaatatata	atggattact	gntgtcantg	tncatgccta	cagatnatte	420
atttngtatt	tntgaataaa	aaacatttgt	acattcctga	tactgggtac	aagagccatg	480
taccagtgt	ctgctttcaa	cttaaatcac	tgaggcattt	ttactactat	tctgctaaaa	540
tcangatttt	agtgccttgc	accaccagat	gagaagttaa	gcagcctttc	tgtggagagt	600
gagaataatt	gtgtacaaa	caagaagaaa	gtatnccatt	tatgtgacaa	cctttntggg	660
aataaaaaat	ttggttttaa	agttaaanaa	anaaacaaaa	aaaaaaaaact	tcnancctn	720
ttanaacctt	taggggaggn	ccgnaattac	cgtagnancc	caaat		765

<210> 2853

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(765)

<223> n = A,T,C or G

<400> 2853

tttnnaaggg	gnntaagtgg	gtcttctttc	aannggccgg	gtctcgttct	ntccgnanca	60
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annangcgmn tcgaattcgg caccagcgtc tacatccagg cctccgagtg acggacctga 120
ggtgtctgtt tcctgggagc gcctgatgct cctgtttggg tccagggccc ctgggggcag 180
accggtgatc cttaccagtg gaagcgagcc atcgagccat tggcagaaat cctgctgaat 240
gtcattcaga aacctcagcc catggtcgcc ctctgtgccc cctctcctgc cggaaagccc 300
tgcaacattc taggggtggg ggcagggcca tccacggttt ctgggcagag ccatgggtggc 360
aggagagaga tggctgaagc ctgagcagcc cagagtcccg ctggtctagg ctggtggtcg 420
gggcccctgg gagaggagac agggcattcc tccccactct gtctncaggc tgcctctggg 480
tagcctctag tctgctgttc ttcaggaggg ctgccataaa ctcttcggag tttacgtggt 540
gcaccttttc acagacgggt cccacagca tcctcagaca gctctgtgat gtagctttta 600
ggaggcactc aggtgtcacg gctagactgc agctatgaga cagatctggc ttcaaatacca 660
anagttgcca tgcacttgct gtgtgacctt gggcaagtca cttcactttt tcttgagccc 720
ccgtgttcct tcactctgtac aatgggggct tacgatactt actan 765

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<210> 2854

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (785)

<223> n = A,T,C or G

<400> 2854

```

cnnntcnnng tgttggnnnt ttgtggggtc tttcctttct taatnggtct gtgatncnec 60
tnctcaccta acacaacnng gctgnngcga attcggcacg agaggatgtt gctgctgtgg 120
gccgcaaggg tcttggtagc ttctctagg gcaggcttgt gttcctgatt ggggttggga 180
tgggtggggg catcccctgt ggcctcagca atccagccct gcncatctgg gtcccattac 240
acagacgtag acattgaggt ctanttngaa ngacttgccn ngagtcctgt aatagagctt 300
ggcacttggg tctcttgact ctcanggact ggggtgtgagg gaantgggct ccttttgetc 360
cctacctgca gtgcctttga ggggatgagg gtcttccatc atagttcnga anatgacctg 420
cacattttac tgccttanaa atctgctcgt tggggccagg tgtggtggct cagcctgta 480
atcccagcac tttgggaggg cgngtgggc acntcaccag gtcangagac ngnnaccatn 540
ccggcttaacn ggggtgaaacc ccatctctct aaaaatacaa caaaaattan cctgccatgg 600
ngnnggggtgc ctgcactccc actnctccag aangctnang cccgpcnnaa tngcctganc 660
ccnngaggcg gnnctcttga ntnaccccat aannnecccc ccngnactcc anccctnnga 720
ncacanaaan agacttcenc ctnnnaanaa nacanctaact ccnaacncc anccctctna 780
ancnt 785

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<210> 2855

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 2855

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nncnnntntn tnatggnnnn gnetngnggg gnnctttctt ttcttaaagt ntgtggntnc 60
tcgnncttnc tcnnannagc ntggcggnng cgctttggga tcttttagatg aatggatca 120
tacagatgtg tattattgct aattctttgt tctcaatcac ttgttttcaa ggacactaaa 180
atccatgtag cccctaaaaa agataaataa gggcaagtca cttttcttcc tccagtcaca 240
gactaaagaa attatttcag ataatatata gcccttcagc catgggagca ggaagtgttt 300
actgctcaag tcagggtctc agttggtaaa ataaacggaa acttctggtt tagttttngg 360

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gccttctttc	aaataaaaac	ttcattttct	ctggggcaaat	acattgattt	aattttgtat	420
tatttggtaaa	atattcatca	agtcacggtc	agnctttaca	gagtaccaa	acataacttt	480
gccgattttt	tctgtttaag	ggccagctag	gttngttnaa	aaagaaaanc	ttnnagccac	540
caaaaagcct	atggcatttc	tttctcttat	gatctttaaa	actgggtcaa	gctcatcctg	600
tttgngagtn	atntaggtgt	gtccctcttt	gaaaatgggc	ccccataaca	cttttttaat	660
nggataaaaag	nngagaacat	ggagtcanaa	tggagcaaaa	ntctgaatat	ttcacatggn	720
ctaaaccctt	tntttaaatc	aanggnnaan	nanaacaaag	ttgcnaaaaa	agcccaaaac	780
atnattt						787

<210> 2856

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 2856

tgtgntcgg	tangggggc	ttctttccag	gtgctggnta	tgcctctntc	cnnanagccn	60
ggcngntcgg	tctcgcttg	tgacgtagcc	tggctctgag	cgatcctttt	gccttggcct	120
tgccaaagt	ctgggattgg	agggcatgagc	cactgcaccc	acccctgttt	tttatttaag	180
taaaccatta	taataactca	tttataaaaa	ggttacttca	agagggcttt	caacttaaga	240
attattttca	ttttgaacat	gaaaagttaa	atagtaacta	agaaactgag	aactctgaca	300
gtgacctcta	ataggtaact	ttaggcaaaa	gtagacaagt	ttgtgggtat	tttgntgttc	360
atgttaaaag	gcacctgtac	agaatcaan	atatgaatct	agntcgtana	gggaagggtct	420
tatgcaaata	ccaaatcata	caagtgggta	cacatataat	agatcatttg	gtccantaaa	480
agtgggttca	gcttgcttat	tccctacttt	tgntatcnta	aaaacaatga	ttttttgcat	540
gtaatagaan	gctttcactt	aagatgctnt	tgagtgaatc	agtgggggt	tcttanagtt	600
agtattcatt	aattnaacnt	anaatattan	ctaaacagtt	ttgggtcact	gcaatgcatg	660
gtctatngaa	anactanatg	tttcgntcga	aatatgcttc	aantgttgcn	actatncana	720
anggcctttt	atgttntnna	attnnaaacn	tgccantnn	attnt		765

<210> 2857

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (794)

<223> n = A,T,C or G

<400> 2857

nagntttttt	tgggggggnc	tttctttngg	tngecgctgn	ctacttgctc	ttttngcagn	60
agcccatcgt	attcgaattc	ggcacgagat	tcaagatgag	atttggttgg	ggacacagcc	120
aaaccctatc	gggtgccaac	atctacagta	acagtgttag	gtgaacagtt	gtccagtctc	180
ctgttttgtc	ggacactgtt	tctagcacct	tccaggcaga	atctcatgta	tccttcactt	240
tcgaaatggg	tactatttca	tccccacttt	tatcaatgag	aaactaaagc	tcgaagaggt	300
caagtaagtt	cctggccaag	gtcagctagc	aggctctaga	ggcctcgctc	tccttagagg	360
cagccttgcc	agggcccang	cttggcaggc	tgcanngcan	gtgcgggcat	gcccattgga	420
gaggtgggac	cattgaggct	cagagagggg	aagtgatgag	ccctggcgac	acagcggggt	480
gggtccagag	tccggcctgc	atcttctgga	gctggccagt	ggacaggcct	ttcccgttca	540
cagccccggg	gctgctgtgc	ccaccaaggc	ggatgtgctc	accgaatcnc	actcctctgn	600
gtgtgtccct	tttcaggccc	ctacatcatt	cganggaatg	gcnnccccc	acgaattccc	660

ttncnaccan tccacnnttt nnttacannc ntacttccan nccccagnnc tcttgtaaaa	720
gnccccannn ancttcccta nccctggant ttttaccnc nttnnctcat ccacccctct	780
tttctcccc cent	794

<210> 2858

<211> 830

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(830)

<223> n = A,T,C or G

<400> 2858

tgggnttttag gcgcgcgttt cnnnnnnngnn nngctggcgg acttgctcctt aatcnnaana	60
gccntgcn ngtcgaattc ggcccagca agcagaaatg tgggtggtgt gactgggggtt	120
tgggtganggg ctgctgnngc tggaatggag ggctgccaca ttaatggaaa tggnaaatga	180
ggcacgtaag gtngactgg aggcataneg cccatgttgc cngctttatt aaatcactct	240
tgcantatnc ananctangg cctgatgna nnagtactg tgtcttgac tnnncaacn	300
tacagnggga tgctnaaga atgngcactg cananaggac tngtctata ntaaccatat	360
gtatgcntnn cgtaananna tgcnnngctg actatctcta atnngngcgg ggaacgtgat	420
cacattcneg nncnnttaca tggaggtcc tctccngan gnntctaanc tannagangn	480
ccatgagtat gaaacantgn ctnnccaccac ttnaacttac ccnanntnnc ccaatatctn	540
ttgnctagct ntngattctn tgnnnagcct tnaactggacc ctacttagac anngccttct	600
acacnctcan naacgattcn tgtagtaaat nctantaacg cttcccccta cacctnnnta	660
tgnatttate gcnctctat tncctnnccn ntcnngnnn tnanngaacn ttacctcccc	720
ttnaaanmt ccgcnncnct tncaaccntt nantnanc atctnctna tcttctcac	780
cggggcattt tnnctcnggg ntccgggttn gntntactc antgcnantn	830

<210> 2859

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(759)

<223> n = A,T,C or G

<400> 2859

tgtnntttgt tgggtgtntt ttctancatn cgggntctc gnntnccgc ancagccnng	60
cgantcggac tgacagnngt gccaacatgg cattctgttt ttgaaaagtt acatgacact	120
attaagtatt gaaaatgttc taactagaaa aacgattttc ttaatcatag tttttattgt	180
ggggtgtgta tgtaagtttt aacgtgcaaa ttaacatata gaagtcactt tgtgaggttt	240
catttaaagt tatttctcag attttgctga atctgtaata gccattgaaa tatttaagta	300
ccttggtgt tcttggcatc aataaacaga tttttcttc cctcctcatg ccatacaaaa	360
gttgacaata gctttatcac cacaggaaga aagctgacca tcattgccct ttatttgggc	420
ccagttgcca tggttacagc ccttttagcta aattgggaat ggtaaccaa ataacatttg	480
cataacattc cctgttctg cccacctctt tgcacatctt caaatcaagg ttttggctg	540
atcaccatac tatgtgtag cctactttta ggaagtactt taggctaaat agatttgttn	600
catttatgct aaatgctctc ctggacacta ccatactcag catattcctg gaaatctaac	660
gcaatnatnt taccttttaa aacacccggg ctccaacngg nnnntacct ntnaccncn	720
ctggnncnna tntntnncc tncnttatcn antaaangc	759

<210> 2860

<211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(765)
 <223> n = A,T,C or G

<400> 2860
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 aattagtcac caatatgctg ttgactgcag agctgtatct tcagtgggtg gatgaagcta 180
 cagtagggga gatcactcat gctaggtatg gatctcctta cccttggcct ctgaatcata 240
 ttttggccta tcaaaaacag tgggaagtca aacgtaagat gaaagctatt ggatggggaa 300
 agaagactct ggaccaggtc ttanaggatg tagaccagtg ctgtcaagct ctctctcaaa 360
 gactgggaac acaaccgtat ttcttcaata agcagcctac tgaacttgac gcactgggat 420
 ttggccatct atacaccatt cttaccacac aattgacaaa tgatgaactt tctgagaagg 480
 tgaaaaacta tagcaacctg cttgctttct gtaggagaat tgaacagcac tattttgaag 540
 atcgtggtaa aggcaggctg tcatagagta tgtgttaagt ctcanagatc ttaactttng 600
 gaaatatggg tttacttnaa tgttacatta gatatngggg gntacgaatt ttanaacca 660
 aattactggc tttttgnaac cttcaaaata ttataatggn atcttaatgg aatgngcctn 720
 taanattggg naatttgggg tattacaatt aaaaanaaaa tnccg 765

<210> 2861
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(757)
 <223> n = A,T,C or G

<400> 2861
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 cagtcttggt gtggaaagga gacgcactca tgacattgca aatgtgctgg agtcgctgca 120
 tctggtcagc cgggtggcta agaactcagc tggctggcat ggacggcaca gcctgccnaa 180
 aaccctgagg aacctccana gactnggaga ggagcagaaa tatgangagc anatggccta 240
 cctncaacag aaagagctgg ncctgataga ttataaatnt gganaacgtn gaanagatgg 300
 tgatccagat ncccangaac aacagttact ggantctct gaacccgact gnnccctctc 360
 atctgcnaac agtggaaaag acnagtctnt gagaattatn agccagangt ttgtcatgct 420
 gnnccctcgn tncaaaaccn agatngtcac tctggatgtg gctgccgaaa tactgntcgn 480
 agacngccaa gatgccccag accatagnan atttaaatgt aagaatnttc acctgcatna 540
 ncttactagc acataaaggg tgggatttna tngtngata ttntctgctt ccgagattaa 600
 aaatctntnt antgnttgtt gacntangca tggaagtgcc cnaaactcct gcctttttaa 660
 actntcnng agnccatttc cgtanattcn cacntgatta aganncaatg gtgaagtttg 720
 ggnaaaaccg ccacttgat gcaccgaaa aanatnt 757

<210> 2862
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 2862

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gttgcatctt	ataacttgta	tagattgagc	tgattgaaat	aagattttgt	tccaagtatt	120
atctgataga	atacaagatg	attcaaaatt	atatagatat	ttaaagcttt	tctgctgttt	180
ttttttttta	attgcaactg	cttttctgcc	gtgcctctct	tccctaccca	aaagtgatga	240
gttctgaaca	agacaagact	gtcatattgt	agagactttg	gtatgtgata	ccatagaata	300
ctgattggat	agccatccta	gtcacttacc	aatactgact	agaagttaac	tcttaattct	360
aagctatctt	aaaatgcata	tatatacttc	ttgcatggaa	gagcaaaaca	aattcaagtt	420
gtcatgcctg	ataatttcag	atgccaccgt	atagcaaagg	gtgaacatgt	tttcaaccct	480
ttaacttttt	acggtgtttg	aagaccagct	actccttaat	atztatcaat	ggattaagaa	540
gtttaagatt	ttgcagattt	atcaatttgg	gtttttgtac	tgaagtgtgc	ttgcggtctt	600
gcaagtgtcc	ctttatatatt	aaatttgaaa	gttgtaagcc	ctggatgtta	atgtgattga	660
tcagcatggg	catatgtaaa	atgncctttt	ctgggtggct	ctctatgcc	atggggtcag	720
atccttacac	cctaatttna	accagtnngt				750

<210> 2863

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (742)

<223> n = A,T,C or G

<400> 2863

gaaancagct	tnnnaaccnc	ttgcaggatc	cctcgattcg	aattcggcac	gagggatggg	60
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gatggagcag	gaggaatcct	gaaaaccgga	ctgggagaga	tggggccgag	tggacgatgc	180
ccagtaccag	cgggcgtctg	agactgaaac	attaattctg	aagaagaaga	aactagacag	240
tcagacctcc	aggactaaga	tgaagtgagc	cgagaggana	tcgtatcata	agaatgcttc	300
tgtcgnatgc	cgggtgcagt	gctgtgtgta	tctagttnca	gntacttgag	aggctgaggc	360
aggangattg	cttgagtcca	gaaagtggca	gttgacagtga	gtggagatcg	cgccactgct	420
ctncagcctg	ngtggcanan	cgagaccctg	tctcaaaaana	taancaaaaa	caaaatgctt	480
ctgtcagtta	acaatcttta	ttaaaagggt	ttttagtctt	tctttctcaa	cttgtatgtt	540
aanttgggtg	acaaatgcna	attnacgtct	ttattatnct	ttctttctna	anaaaaaagc	600
cnnntnttgg	nanaanctcn	acctntgaac	tntgtgagtc	ttattacntn	natccntcca	660
tgataagatc	cnttgatnat	ttggacaaac	ccacttgaat	gcnttgaaaa	aaangctttt	720
ttgggaaatt	tnngatccta	tc				742

<210> 2864

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 2864

gnntagctag	ctacnnaaac	tctttggcna	atcccantcg	attgcgnntt	cggcncgaga	60
actgacctaa	gcctcagttt	ttcagatctg	tagtacttac	tttacetgat	tgctctttga	120

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attgaataac ataatttatg tgaaaacact taattatgaa tgctgtaaaa ctatcaaagc      180
cattaatatg tgtnatagta gcatcataca ttttgacgca taatccagag aacaaggagt      240
tgtaacaag  ggagaggaag ataactctgt tgggctagta ttatactctc aggtgctact      300
gacttcttag atgaccttca agatgttagt acaactctct acttgagat  gctattttct      360
gggatgtta  atatccactc tattcacaaa attttaagaa aagtcaagta gcatggatga      420
aactctccaa agttctgctt aaaactaaaa tatcttagtt gtcactgaag ccacagatat      480
tttgtgaatg cagcatgttc ccaataggca gtccctctta gcctcacagt ccaagctggc      540
aacaggatca cattccaggg aatgaacaga aaggctggca ggcaatcaca ccgctgatat      600
cttangtgtg tgggcccccc attttttttt tgagatggag nctnactctg ttgcccaagc      660
tggagccttt taaactatag tgagtcgtat tacgtanac cngacattgt taggatncat      720
tggatgaagt ttgggncaac cacacttggg atgcngnccg      759

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<210> 2865

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 2865

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gnaatagcta ggcnatnaga tctcgttgcg ggatcncatc tnnttgcagg atcccacna      60
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ttcgtttatt ttactgcat gctctctatg gaaagaggat gtgctaagca aacaagcatt      180
gtaacaata  ttccagaggc aaggtttttg cctgctttta aaaaataaaa tgtttgcaag      240
tacaattaa aaccagtata agggacaggg gtgggatgaa aacctgtctc taagattacg      300
aagcctgctg tatttccctt aaatccctt cgaggaagat ttgaatccct catcaacaaa      360
ttttcattga ttatgtttct attatatata ctgtagactc tatattcacg aatgtaatca      420
tactcattca gaaaaatata ggaagagaaa atgagtatga cctgtagcct gaatttcatt      480
ataaaagatt taaaaatata cattttatat taaaattgat gtaatctttt aattatgaag      540
tctttgattc tttagatgtt ttcattcata acccaagagc aagatcttgg catcagtttt      600
ttccangtta tgtctatata atctattatt acttaaaagt ttggagttac atataggata      660
tattgatatn tagagagtta taggatata gnbanttttt tccaattcca gtccccaac      720
ccgagcaaaag anccattttt tatggaactt aaaaaaaaaa aaan      765

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<210> 2866

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (790)

<223> n = A,T,C or G

<400> 2866

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ngtanganac tnnacgggaa atcccntntc tnnangaanc caatcgatgc gaattcggca      60
cgagccccag ccagcettca ggggtccctt gttnttgtgt agatgcagtc tagcgggggg      120
ccggagaagg gctcaggtgg gaggggcctc agcaggctcc cagctcaggg gctggcctgg      180
ggggaacctt gggagccagg ggctgactcc agcaacactg gcctgtctgc ctgttctggg      240
agggctgtga ggatgtctt cagatgtctt ggatttctgc ggaggacct ccattccttt      300
ctggcctttt ttgcggggga gggccttggg cctctttctt tgagggaaca ccgtcaaaga      360
aagcctggga gatcgaggct tcagtggacc aggatggaaa cgcgtgtccc aagtgtccgg      420
acaggcggca gaggcctnag tgcggaacac acagccccag agcctgtgtg gcaccagcag      480

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catcttanag	ccccaggtat	atgctgagan	cttatctcac	gctgcctcca	ntgtctgggg	540
ggcccaaat	gatggcacia	gggcangtgg	gcctgnaagg	ggccncaaaa	tgccctgngg	600
ttcaaaggga	aggggtggccc	accaatgggg	cccnanggtc	ttaaccccaa	ggaacccctt	660
tggntctnng	tnccttaaac	ccttggcann	tnacnggnaa	gnacctaata	ggnggggnact	720
ggncccangg	gccccnngtg	nacctttggg	ggggccaaaa	tngggaaagg	gccccccctg	780
aaaaaaaaa						790

<210> 2867

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(762)

<223> n = A,T,C or G

<400> 2867

nacnaagata	tcctnatnnc	tggetnnccn	tttctgcang	atcccatcgn	tncantgcgg	60
cccgaaggctg	actgttgggtc	atcttgccag	atcttntntg	atgtcttttg	cttcatcctg	120
ctgtgcatct	tgacaggaaag	tagatgctct	tggtcatttg	agtaatccga	atcttggtat	180
ttccagtcaa	ctcagttgga	tttctgggat	gagaattaga	ggagtcctcat	tgaaaaactg	240
gaatgagaga	tgagaagttt	gctgaaaaca	gaacattttt	ttgtgtgtgg	attgatttgc	300
ctcgtatacc	tgccctgtac	tttaaccaca	tctttgcagt	ttaaaataga	acacattatt	360
tcttcagatt	cacttatttt	gactacatca	gtaatgctct	tacaaggctg	catgacagat	420
ttatggtgac	atgcttttagg	cagttcaaaa	tccttaaacc	tatattcagc	tccttttttc	480
ctagaaagta	agtcattctta	attttcaatc	tttctttctt	tttaatcttt	taatgatttt	540
ttgggggaga	ggaatcttgg	cagtttagatt	cttcaagctt	ggctacaaat	gggttaaaat	600
ataagtgggtg	aaaatnttat	actttntcct	atttngantt	tgnetgctca	tttggnttct	660
tcccatgggtc	tcaagtatac	aattnccaag	tttattgggg	ctgnntcacn	tgnttccatt	720
tctgcaggga	aaaggctgcn	ttncnnaatt	ggggttnngc	cn		762

<210> 2868

<211> 796

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(796)

<223> n = A,T,C or G

<400> 2868

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ctaagacaat	aatcgctttc	tgacaaagga	gcctgcacat	ttgggtgagc	agaccaagc	180
tgtttacagc	tctttcttgt	cctgccatcc	agtagcagtt	agtcttcac	cccacgtgaa	240
caaaatggga	aggagccgtg	aggagaggag	tgaggcaaca	ggcacccgaa	gtccctcgtc	300
cttccctctg	tgtgctctga	atatgtcctt	gtccttctctg	acccatctct	gaccagctgg	360
gaacctgctt	ggggtccccc	tcaaacctgt	gnctgggggtg	tgggctcaca	gatccctatc	420
agcctgggtc	gtgggagggc	tcttcctaaa	gggaccccca	tctctaagtc	actctgaaag	480
ggagttgtgg	agaggagacg	ccctncaaac	tcttcagaag	tntntgagga	cttgaactgg	540
gtcactcggtg	atctgngtnc	gaaatccttc	ccaacccttt	tcttttgggg	gagntttcct	600
taacctgtct	ngcttgnan	ccaccaaang	gtttttgggn	ggcctntcct	ttttctttna	660
ttttggtttt	aaaagggcaa	ntngtnccaa	aaaagcccat	ttcccnngaa	atgcccaaan	720
aaccganggg	ggccttaatt	ttnttaaggg	ggaaagggna	aggttcnggt	tttcccaatn	780

gntttccccc ttcccg

796

<210> 2869

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 2869

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ggcagagaa	tacacacaac	atataagaca	tggcanttn	ctgtttatgt	tatcagggtt	120
aaggcttctg	gtcaacagta	agctatgagt	agttaagttt	ctggggggac	aaaaatttgg	180
ttgtcaactg	atgggggggc	ggtgttgga	cccctaacc	gtgcactgtt	gaagggtcaa	240
ttgnactgna	tttatatatg	ccancagctc	tncaactgtg	gtctgcagat	ctcatgaggt	300
ctcctttcag	gggacccaca	tgggcaaaac	tatattcata	ctactactaa	agccatttgc	360
attttccact	gngttgatat	ttgcctgatg	ttgcaaaagc	nntgggtggg	aaaactgccg	420
gtaccttagt	gcaaactgag	tcaanggcac	taaacgtata	nttgccatta	gatcctctct	480
tcancattct	gtgctngcag	ntnaaanntt	aataagccng	ttttacntan	gaatgtcctt	540
aatgaagcaa	ttgaaatgac	taattttatt	aaaatctnaa	gccttgagta	tatatctctt	600
tcaatattct	atggaaataa	ntggnaacta	tncattaagc	atttctgcat	gcaaatatgg	660
nactgnmttg	aagnaaanct	ctgcgggtnn	cnaattgcna	accttgaact	accatttgat	720
acttggatgt	gcaggctncn	ggacaacc				748

<210> 2870

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (741)

<223> n = A,T,C or G

<400> 2870

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cagaatgaac	atgcagcccc	cccaagtaat	cctgtgatcc	cagggtttca	agatagactt	120
ttgagttttt	cacagtctgt	cttaactcag	caagataact	tgggacttca	gaaacagttg	180
gatctacaaa	gagaagttct	gcattatagc	cagaaagccc	aggaaaaatt	gcttgtagag	240
agacaaacag	cattgcagca	gcagatacag	aaacatgaag	agactttgaa	ggattttctt	300
aaagacagtc	agataagtaa	gcccacagtt	gaaaatgatt	taaaaacca	gaagatgggg	360
cagctcagag	actggtttcc	taatacacaa	gacctagcag	gaaatgatca	agaaaatatt	420
aggcatgcag	ataggaacaa	ctctgatgat	aatcatttgg	cttcagaaga	tactagtgcc	480
aagcaaagtg	gtgagcatct	ggagaaagat	ctggggagaa	gatcctcaaa	gcccctgtag	540
caaaagtcaa	atgtggtttg	gacttaaacc	agcattgaac	ttagtgctat	acaagaagta	600
gagtcaccag	caattggcag	aacttctata	ctaggtaaac	caggatatta	tgaagacaga	660
gacccctgcg	gagtcctaat	taagcccag	acaaagggtt	ttttgggagc	ccctggccat	720
ggatcccgtt	angttgnctt	n				741

<210> 2871

<211> 735

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (735)
 <223> n = A,T,C or G

<400> 2871
 tgnnagagta nngnnnggta cttgctcttt ntnnangtag cccgtgccat tccggagggc 60
 actgccctcc tggaaagagat gcattaggat cggtttgenc agtaatacct ttacatgann 120
 ccatttngag aatgatnacg ggccaaagnt aacgggtgna ctgttangnc ancatggact 180
 nngagaangc aagggtang gtgaccaggt ctggcanagt aannagcctt ncgntnnaag 240
 ngnacctgnn ccngaccenc agaggatngt naccantnng actgnaggaa tganncnngt 300
 nnggntgatn tntctncatn gannccataa tctaatacat gattangaga nccaaatngg 360
 ctgctcntta annacatcc canannctat ctgactctaa tgcggnnat nctngatanc 420
 ttagtgctnn taaacgncgt gntcatacat nnactnatgc ttnggcncanc cactcnngn 480
 tggtangtna cntatgtann ncngacngg anacttctnc tctgtgnagc agtcatcaca 540
 tctntacang nntangtn ntatngctn tnaacncggg ntgtagttga tactggagca 600
 tggctttctn ntnacactgc attgctgtca catcttggct gagcnagta atgtccgten 660
 agncttaata natcntngaa tgntgggcna tcgcctggag ttccangatc ntttggagtc 720
 cgtenacttt tatnt 735

<210> 2872
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (752)
 <223> n = A,T,C or G

<400> 2872
 agnangcgtg tgaagtatcg ccncctaen agaaggcggg cgattcggca cgaggcccca 60
 gggcatncgg gggatccctg tgattttggt gaggggtgagc acccagggtc cacagggtc 120
 tgctctgggc aggccagcag atgcagtgat tgcaaatcct cttgttncaa atggaacagg 180
 caagtgcatt tggggcacc tcagagctgc tggccactag tgnctttgg agaateagtt 240
 gtctcccagg cggggaangt cctcagaca taaaatactc acccatttag aggaatgaca 300
 acagcaaagg aaactatatt ctgctaattt actggttaaga gaggaanaac tctgtcatgc 360
 atacacatga cagaggctct gcctaaagag agaggcagca cgatacagat attagcaaat 420
 gactactctc cangaagaaa cacaccagcc aggaacgna ctcacacctg naatccagna 480
 ctttcanagg ccactccgtt aggatggctt canaccatga gtttgagact agnctgngca 540
 acctggcnga cttcatctnt accannaaat gaaaccatgc attccaacct ncnannagat 600
 cantnangag acccacacct gggagtnncc agatatttca aaggctnngc angaaggatc 660
 tcttngggcc aggaaaangg aaggcttgca attgaactat gatcctacca cttcactttc 720
 agnccggggc nnccaaanc atgaccctn nt 752

<210> 2873
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (771)
 <223> n = A,T,C or G

<400> 2873

tctangagat	ggnatgtntc	gncctntctc	naagagna	aa	ggcttggcgn	attccggmcc	60
aagatcgaga	ccntcctggc	taacacgggt	aancncatc	tctactaaaa	atacaaaaaa		120
ttagctgggc	atagtggcag	gtgcctgtag	tcccagctac	tcgggaggct	gaggcaggag		180
aatggcgtga	accgaggagg	cggagcttgc	agtgagctga	aattgcaaca	ctgcaactcca		240
gcctgggcga	cagagtgaga	ctccgtctca	aaataaaaaa	ataaaatggg	aatatcaata		300
gggcctattt	agtaggggtg	aagtatagct	ctaattgagat	gggccatact	ggccccccag		360
cacataggaa	gccctcaaga	aataaaggct	agtggtaacc	tgacacagtga	tgggaggaca		420
ggggctatgc	agaaaaactt	ggagcaaaga	aacgagagca	aatatgggaa	aataacaatt		480
tgtgtggggt	tgaacatatg	gttgttcatc	gtactgtttt	ttcaaatttt	ctgtatgggt		540
gaaaaaagtg	ataatttttt	gggggaaaat	ctggcatgtt	cccctgcacc	tanggtatat		600
caaatgtat	tgacaaaatc	caaattaaaa	gccaaactca	aaaaaaaaaa	aaaaaaaaaa		660
aactcgagcc	ctnttaanaa	ctattagtgg	agtcctgtatt	tacngtagaa	tncnggacct		720
tggattaagg	atncatttgg	atgaagtttt	gggacaaanc	cccaactttg	n		771

<210> 2874

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(744)

<223> n = A,T,C or G

<400> 2874

agnngcgggn	nnnngnaaat	gccctnnatg	caggaaccca	ngcgatccgc	ctgggtggtag	60
ttaccacaac	acatgcctca	ttaagaaaca	ntttncatca	gagggaatgc	ctgcctccct	120
gntaccagct	ctgcagatgt	gcacatatct	tctgtcgtga	agccaatggg	acttaaacct	180
tacctcttgt	gttttggaga	ctatctttta	ttttttttt	tttgagagag	tgtctccctg	240
tgttgtcag	gctggagtgc	agtgggtgta	tctcggtcca	ctgtaacctt	cacctactgg	300
gttcaagtaa	ctctcctgcc	tcagcctccc	gagtagcttg	gactacaggc	gtgcaccacc	360
acacctggct	aactttttgt	attttttagta	gagacggggt	tttgccatgt	tgcccggtct	420
ggtctogaac	tcttgacctt	aaatgagcct	cctgcctcag	cctcccaaac	tgctgggatt	480
acaggcgtgt	gccaccatgc	ctggctaata	tttatatttt	cagtagagac	gagggtttgc	540
catgttgggc	aggttggagt	cgaactcctg	acotcaagtg	gtccacccac	cttggcctac	600
tagagtgtctg	ggattacagg	gggtgagcca	ctgngcccgg	gctcttttgc	tttcttaaaa	660
gacttttggtc	gggtatttgg	gntggatgga	gtattgngtc	tgggtgnggg	taattcgann	720
cctnnnttng	tnnggggggt	anag				744

<210> 2875

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(755)

<223> n = A,T,C or G

<400> 2875

tcaanannca	gctcttgttc	tttttgcagg	atcccatcga	ttcgtgaga	tcggccactg	60
cactccagcc	tgggtgacag	agtgagactc	cgtgtcaaaa	aaaaaagtcc	caaactgttt	120
ggctttattt	aggcagtaaa	tattctactt	cgggatgacc	tgtcatggag	ccagtaaggc	180
ctctacaaat	cacatcccaa	acaaatacaa	ctcagatgag	caaagtaagg	cccagatgaa	240
atgacatctc	gatctcttct	atggcagaaa	ctcagcaaga	cataatgaaa	caaagatagc	300
taaagttcat	tatttaatgc	tctactccca	agagaattat	gggactttaa	ggctactcac	360

taacatacaa	aattaccatg	cagatatggg	gggaaagtcc	atgtccagaa	aaaacttggt	420
ttgcaaacct	tagaactatg	tcattgcagg	attatgtgtg	tgtgcccggtg	tgtgtgctca	480
caggctttga	agagttttat	gagtatccat	tatccaaaat	gcttggaac	agaagtgttt	540
tggatttttag	atthttgaaat	atthtgcatta	tacttaacaa	gttcaagttc	agcatncaaa	600
acccaaaatg	ctccagttag	catttccttt	gagcatgtca	gtacgcaaaa	agtttcagat	660
tttggagcac	ttaagattta	ggatttggga	tatcagcctg	cataatcaaa	ccttcttcat	720
tcaggaatgt	aaaangagg	ttaatatgag	cttan			755

<210> 2876

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(771)

<223> n = A,T,C or G

<400> 2876

agcgnccg	ntgaactgaa	atcccccttc	ngcaggagcc	catcgatncc	aattcggcac	60
gagatcacct	gatgtcagga	gttcgagacc	tttttggca	gcaaggtgaa	accctgtctc	120
tactaaaaat	acaaaaatta	gccaggcgtg	gtggcgtgtg	cctgtagtcc	cagctacttg	180
gggaggctga	ggcaggagaa	tcacttgaac	ccggaggcag	aggttgtagt	gagctgagat	240
cttgccactg	cactccagcc	tgggtgacag	agcaagactc	catctcaaaa	aaaaaaagaa	300
gatggaatta	gctgagtttc	atggctgctt	gggaggtttt	ttgcagacaa	agactccctc	360
tctcaccag	actggagtgc	agtggcgtga	ccctaactca	ctggagcctt	gaactccctg	420
tctacgggtga	tcctcctgct	tcagcctaag	tagctgttat	tggcatgagc	cactgcccct	480
ggctcacatg	gctgcttaaa	tggagaggtt	agcagttgag	actgagaaac	atgaaggact	540
angtaagtat	ggggctccca	gatagaggcc	agcccacaaa	cgagataagc	agaagctgcc	600
caaaggggga	aggaaagaca	gcccagacag	gggaatgtta	agaagaagac	tcaagccaac	660
tcaaggggtt	taataaaaaa	ggagcctaag	ctctctttaa	nncattcacc	caagccatat	720
gggatttcag	caaacttggc	cctgtcccaa	gggacctccc	ttttggcaag	g	771

<210> 2877

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 2877

tnnnnttgac	ncnttncnag	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	60
ggcacgagct	gggagcgaga	cggtggccc	gnccagcccc	atggggccaca	ccggctgggtg	120
agacgagagg	atggggcagc	aggggaccgg	gacctgcggg	cagctgtggt	gatcaggagc	180
ctgaggagcc	aggaggcctg	cctggaggcg	gtgctacgtc	gactacaggg	acagtgtcgg	240
caggaaactgg	ccaggctggg	gggagcccgc	cctggtctca	tctggatccc	gccacctgga	300
cgctgagggc	ctgtcgacgg	gccctcgtgt	gggaagcctg	ccctggccca	gcctggctgg	360
gtcttgagg	ancagattcc	aaggccaggt	ggcgcangg	acgatgcaga	tgagagcccc	420
acgtnacatg	ctcgctccag	gggtggggct	gggctgactc	tggccggatc	ccaagcctgt	480
ggctagcagc	actggggaca	ggaatggctg	gtcccttgag	gaggtcntga	caggctcaac	540
ctgntgggtc	gganggggact	cggaataaaa	ttgtancagc	tttccttgcc	aaaaaaaaaa	600
anatnnnnnn	nnnnnnnnnn	naaaaaaaa	aactcgagcc	tttaaaactn	ttngngaagt	660
cgtatttact	tngaattcca	aaacnttgat	taggatncc	ttgnnnnaat	tttggganca	720

aaccncaaac tttnnaatgc cnntnnaaaa aaaaagcctt ttattttggg gnaaaatt 778

<210> 2878

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(765)

<223> n = A,T,C or G

<400> 2878

tgcatacaca	cgcttnggaa	ctngccctct	ttctgcagga	tcccatcgat	ncgcgctctc	60
cctttatagt	ttctctataa	aaactggttt	taaaattagt	ggaaaagggc	aggttgaatc	120
aaggtgaatc	aatctgaaat	tgagcacacc	tgctgccc	cgctgttcct	tcaactgagt	180
gctgcacatc	atgggctctg	tctgtgagag	aaaaatccc	gtgcttggtg	tccttgcag	240
acatggagtt	ttgcatgtag	atcantttaa	aatgtacctc	ttgtttacat	aatttgcata	300
attttaaaag	ataatgttgn	cnaactntgg	aaatgttaat	gttcagactg	aaaatctcca	360
ctacatgtaa	ctctcttcct	ctggatcact	ggcatggntt	ataatcccag	ccagtgggtt	420
gaactgntcc	antgtcaact	gccatgtgct	ctgcttcaag	ggggaactag	ccttttgnga	480
attttttgcc	ataagtattt	gttacnaata	ttttagcaaa	tgctttctat	tnctctagct	540
tgtgcatatc	ttggctgggc	gttacagaan	nnatagngta	cccattatnt	tncttaccgn	600
ggaaatgaag	ggntantncc	tttcnctttt	tantccggtc	cnntttttna	ctttaatgta	660
nagggnggtt	gggataaagg	gaangnggat	gnangaagcn	ttaannnacc	tnaaatttct	720
tgaaccccn	caangncnnn	ngggttcntt	tttaaccccn	aannn		765

<210> 2879

<211> 811

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(811)

<223> n = A,T,C or G

<400> 2879

cntgntnnnn	nttcaancct	ggnaancgcc	tttctnnann	agancggtn	gntttagaaa	60
tagaactcct	gtagatgtgt	agaaagantg	atggnaaaga	gaaaggactg	atgtccttct	120
tttcattgaa	aaagatattg	tttaggtcct	acaatggctt	aggtatggtt	tgagactctg	180
gggttacaaa	gcaaagaaaa	cctggcctct	gccctgctca	gagaacagca	gggatacagc	240
atgttagcaa	ataagtatat	agtgtggaaa	ggtctgtagt	caatagcagt	cattttgaca	300
ataggaaaag	gaatgtgtga	aacttctggg	tctgtgtgtg	tggtgggggt	ggtgggtcaa	360
gggaggggat	caaagatgg	tttactaag	aagggaaaaa	caccggacct	gagacttgaa	420
tgcaagtaga	attttgccag	gcagatgatc	tggtcttcca	ggtagataat	ccatcctggg	480
cagacaaaac	caggctgtag	aaggaacacc	atgtgtggag	caatagaaat	atctcattgg	540
tactggagta	taatgcatgc	caagaaacca	ggcaaggtag	acanggggcc	accctgnaa	600
ggaaacctct	tgaaatangg	ggaatggata	ttcatcacat	tttccattgt	ttaaggacca	660
aattgggaan	aaagttnaa	tantccaag	atgttaagga	aaaagnttaa	atgggaaggg	720
gaagaccaaa	ttccaaggt	ggnttccaag	ccnaagggg	attgacncan	ttcccttaan	780
ttttggaaaa	ggncnngggg	tnnttgggaa	a			811

<210> 2880

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (771)

<223> n = A,T,C or G

<400> 2880

gagattttcc	ttaactgcaa	tggetactcg	ctctttccgn	agcccatcga	ttcgctgggt	60
catgaaataa	cagattaaaa	atgttctctg	gtaattttta	ttaaaccattt	ctgtaaattgg	120
aaggaaaaga	aaaagatttc	agagagtctg	atcaataata	gcttgtgggt	cctagtgagt	180
ggagcagtgt	ataaagaggt	aagggtttttg	agggaaaaaa	atactatgtc	aaatgggggg	240
tgaatgataa	aaatcgctct	cattttccctt	tttttcacct	ttcatcttca	tttatggaat	300
ttctatacaa	taaatntgnt	tggcatttaa	taacagtgcc	tctcccccg	aatactgttt	360
ttattttatc	ttacttaaca	aaatattntg	tagtggttct	gtgccaagt	ctgttctaag	420
cactttgcna	atattnttct	acntaacctt	ataaggtggg	tcctgtttta	tgctcttttg	480
ttcgnttgcc	agcaattaat	gaaactgaaa	cagtgcctgt	ccaagacacc	ntaagnagta	540
aatggcatag	ctggaatttg	gccctnaagt	cagtcctctt	aaccactgng	ctcttctgtc	600
tgctaattgga	aaacccttat	aaagtgggtga	accanaaaaa	gccagaggtc	tgggtttann	660
ntnccatttt	nggcnttttn	aaaaccgggn	tttttgctc	ttgtcccccc	aagaanttgg	720
gggttttcaa	tggaaccttt	ggntcncnnc	canngggggc	tcnancnncn	g	771

<210> 2881

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (768)

<223> n = A,T,C or G

<400> 2881

acngcncgnc	cancngntng	gaantccccn	ctctgcnga	agcccatcga	tncaattcgt	60
gcacggggng	aggcatnttg	gcntnaacnt	gcgtttttta	cagaagttat	gtggcactgt	120
ggaaatngct	ggaaatacaa	atgcaaaaaga	aaacacaaat	ctctgncatt	ctgcagaaac	180
agcattctnn	ngaccccntn	nggcttattc	tatagatgta	tatccttggt	cttacagaaa	240
cttgatcata	ttattntatn	actngcnggt	tcatntaaaa	atatcatgaa	catcttnngt	300
gacatgacat	gtctcnnctn	tnaatgagng	catagacnnc	caaactacaa	atcttcata	360
ctcngtgman	agnnccctca	ctgcagtcca	ncctggggcaa	cacantgaga	ctccgtcgca	420
aaaangncaa	nagacnggct	attgacnnca	atthtgacnt	tggatganng	tggcantaat	480
ntgantgccg	taacancgaa	tgcaggaggn	gagaggaana	naccgggagc	ccaagttgna	540
ttgggaaagt	ggntcaggcc	attggtantg	naaaaatcat	aattcncang	antttganat	600
gggagaaatg	cgggcngggc	ttgaccgnat	ctnactgaaa	ncgnanactn	cancgggaag	660
ntncaaggcn	aanngtcat	tttaaaccct	anggnnttcc	angctggnaa	nganncccng	720
ggattgnncc	nactnncctt	ccaggcctgn	aanaacaaaa	actgmnet		768

<210> 2882

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (743)

<223> n = A,T,C or G

<400> 2882

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gcnttcctaa accctttgnt ntcgctctnt gcaggatccc tcgattcgta aagttacact      60
taaacagtga tacatagatt gccagatntt ttttggaagg gctttgatta attaggttc      120
agggaaattg tgaataaaaa cataaatctt gcaatagggt aggggaaaga aaataatccc      180
actcctgaag tgatgaaatg aagagtggct agagaggaga aaagaaccag gacaggtgat      240
atattagcaa ctgtcagtggt gaataatcca gggtagaca tttctaattt agcctcacat      300
ttaagggtcat ttctgattca acctcaaatg atccttctag cctactgctc ccctaaatat      360
taatatattc tttgtgccag tcacagtgtg ttaacatttc cctgaaaaca tcttaagcat      420
tttttttaac ctatgtgact tttgccttct tccatctcaa ccttttataa tcttacctac      480
ctgtccctta cttcatcaaa tgtttctaata tatttagaaa caacttctaa atttcctaata      540
atatatgtat atctgngttg agtatgtatg tgnnataact aaattagagc taaaatatct      600
ttttattagt atgaaaattt gtgnaattag ttgatttatn ccttcatata tctctgggag      660
aaaatctctt ggtcaagcct ggtagccctc agagaacttt aaagttttat tgattctaata      720
nttatgtatg tatgcatgna tgc                                          743

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<210> 2883

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 2883

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gantcagctc tgttcttttt gcaggatccc tcgattcgta aaggacctgc ctgaggctgc      60
tttacagttt gtttgttttt ttttaaaata agtagaagat atacactaaa gtaatgataa      120
atgtatagta tagtaaaatac acaaaccatt aacagttggt tattttcaag tatatgtact      180
gtacattaat tgtgtgtgct gtacttttat acaactggca gcatggtagg tttgttcaca      240
ccatcttctc cacaaacctg agaatcgtgt tgttgcaact caagtcatta agtttaggaat      300
tgttcagctt cattataatt tgtgggaaca taagatgtcc ttaaataagca cataactgta      360
atgtgttttt tttaacatct tgggtttttc agcagctatg ttagtatcca gcagataact      420
ggcactctgg acatttgatg ggtgaaaata ttcacgggtc attcttttct tcgaatgagc      480
cccaataatc attgcctcct gaattcctct atcaataatt tgcctatcat ttgacatttc      540
tagacattta aaactttctta gtaagatagg acattactgt aagagcattt gtctgcatat      600
actatttcag tttttttccc ctttgtctga gtttaattct tatctactgg tcacagtaaa      660
gagttccata acatactaca cttgcctaaa cagatttaac ctctggcagc tcacttgact      720
gaacacagta agtaagg                                          737

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<210> 2884

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 2884

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acntngttct gtnncngaan nccctnctc naaaancnag gcggtgcggt ntcagccacc      60
tccactgact cctacctcca aagntnatac tttttagacc ttattttcct aaggatgagg      120
ntagtangag ggctgcttnc cctcagcctg gattactgct ttggcctaga agatgaagat      180
ggcatatgtg gttatgcctt gggcactgta gatgtgacct ccttnattaa aaaatgtaaa      240
attncttgga tccccttcat gcaggagaag tataccaagc caaatggtga caaggaaactc      300

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tctgaggctg	agaaaataat	gttgagntnc	catgaagaac	angangnact	gccanaaact	360
ttccttgcta	atntcccttc	tctgataaag	atggacattc	acaaaaaagt	aactgaccca	420
ngtgtggcca	aaagcatgat	ggctngcctc	ctgncttcac	tgaaggctaa	nggctcccgg	480
ggagcttttn	gagaagngag	accanatang	anaagaattc	tggaatctta	cagcangtta	540
agatggtnnt	gaaattgcaa	aaaaaggaag	gatttncaaa	aggatgnngg	ctattacttt	600
ggcnggaac	cctggggacc	aattcnttga	cactgggnaa	ctgntncaaa	aagtctctta	660
actgcaccct	nggnnnantg	ggtaacttga	agggcntcca	taacagtcaa	gccncnagaa	720
atgggnacca	aaaccatncc	aannggantt	cgcaaccnan	aaagacnnt		769

<210> 2885

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 2885

gaancanctc	tggtcttttt	gcaggatccc	atcgattcga	attcggcacg	agattgaatt	60
ttctgataat	tgaagcttat	taattgtcta	aaattatctt	aagatatttt	ctgatgtaca	120
tcattttaaa	atgagttgca	cacatttcta	ttctgtttca	acatattcaa	tataattttc	180
gctcttggtc	atctgttggg	attcattata	taattcanac	gtggtctcag	gtctggagac	240
atgtgaagtt	attgctccta	cactgagtg	ttccatgtca	ttatgcctta	atccttattt	300
agacacagct	atgataccct	ctttacaaca	taaaggataa	gcaaaaggat	gtataaatgt	360
atcctgggct	ggaaagtggc	attattgact	ggccattggc	catcagcaaa	ggggcctgag	420
tggaaggata	tgaaggatg	ggtgtaatgt	agatgacngg	ttgatgggtg	cagcaaacca	480
ccatggcagg	tgtataccta	tctaacaac	ctgcaggttc	tacacatgtg	tcccanaact	540
taaagtatag	ttaaaaaaa	aaaggatgan	tggtgagcac	agctgacaca	ccccacgaat	600
atctgggggg	ctttgagaan	gttgctgana	tccagtaatc	atgtggcaag	tttcagttat	660
ttttattgag	acctcttggc	tcaataggtc	gttgaagtcc	ttggaactcc	atcaaagggtg	720
ggtttcccaa	tcctncatga	ctgcng				746

<210> 2886

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 2886

acngcgnncn	ctgaacngga	aatccccnt	tgcacngat	cccatcgatt	cgaattcggc	60
acgaggatgat	agagatcatg	ccgcttgggg	tntttnttcc	tccccctcgt	tgtaattcag	120
caggettccc	agtgtgccct	gcaccctcat	ctgtgaggcc	gacttcaacta	tcattcccac	180
ttataggtgg	aggagactga	ggcacagagc	tcccaaagcc	ccacagctgg	cgagtggcag	240
ggctagcgtg	cgatgtccac	tagactgggtg	tctgacgcag	aagctgcgct	tctcaccctt	300
gggatctgga	agataattct	gatgtgtgag	atccaggaga	atgcattgtt	taaccagaaa	360
atgttttgta	actgcatttt	tggttttgac	agaaatgtga	ctgcccactg	aatantgagc	420
attggaatta	gagaccatct	agctgccggg	gctgggntgg	gtcatcttgc	gnccnttaag	480
actgaattgg	gatgctggat	tccantctta	aaaaccggca	tggngacata	ccacaaacag	540
ggtancntaa	aacaacaaaa	tntttttcac	aattctgaag	ggtaaaaggc	tgaaatcang	600
gcntgtgggc	acggtgagct	ccttcttgan	gcanactggg	cccgttcctt	nccggaacct	660

ccggnnnggca acaagcttgc cctnggggggn nccctgnctt ggancctgng ttaaccccan 720
actnttgnc cegnettnat ggggnancc 749

<210> 2887
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(742)
<223> n = A,T,C or G

<400> 2887
gaatnaatcg cttggctact cgcnccttttc tgcaggatcc catcgattcg tgtggcccca 60
agagtgggag gagtgggctg tcagtaggcc acntntntaaa tatctgtgtt ctggctgacc 120
cccatatgct aggatactgg agatgaggaa ctggagaagg tgcttaaaga gcacatctgt 180
ctggtagagg acacagagct gtccttcaag catttgaacg atgttctcat ttccctggaa 240
tcttctcctc tccaggctca catctctagc tccttcaatg attcctcttg cgacatcatt 300
ttagttctct tccccaacct agtctttttg cttttaatga atgatcactg atgtatagcc 360
ctgatgacat ctggtgtcca cagtgggtgcc tgatgctccg ggtgaagtgt aagtttgacc 420
agtaagaggg aagaaagaat ggctcctccc tcatttcaga gaatacatcc tagtcacaag 480
tgcccctaata gtcactcagg tttttgatag ctacattccc tcaactgatcc agtagaatac 540
actaccaact gatgcacat cttgattaac aacagcaagc cttcccttcc ttncctcaagn 600
atctctcctn acatggcttc catncagatt tgcttttaac ctgccacttt ggaangggcc 660
ccccgagatc attttaatta aacacgttat tagaactggg ttaataaggc tancctctat 720
gtctctgcna atatttccaa gc 742

<210> 2888
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(755)
<223> n = A,T,C or G

<400> 2888
nggttttnang accttggnat angccttttc tgcaggancc catcgattcg aattcggcac 60
gagctctttt cttgcttagt gatggcatcc attttaagga acaaacctgg aaatgctgag 120
caaagaacac atacccttca tttccaaagg ttcatttccc actcttactt tagattgaca 180
atgagttgta gttcaaaggc tgccctgcag ggaagctcat ataccctata atttaaaggg 240
cctcagacga ctcttgggaa acttggtaaa acattctatt tagagacatg cctgctgata 300
tgacatatat ttttatagtt ataccctttt attgctggga cataaaacct gttttcactc 360
aaaatgttcc tgctttcaga aaatagaaca agagacatgc agaaaacagt gattctatta 420
ttgtgtatta tgacttttgt ttttatagttc tcttttccaa ctcatctctt ttccctgcag 480
ctgtggaatc tggacagcaa aatcttgtgg acgtttatcc cactaagccc agggatgaga 540
tggcactcan gttaaagaac taacattttc tgaaaccttt cattactttt taccagcatc 600
angcctctctt aagttccaag tggtaagaaa cccttcattc aaatctttac ttccgncant 660
nccatttcc aagcccttct attatgaacc aaaatttcan gaaaccncta gggatgcccc 720
ttaagaaatt ggggttacat ggttggnccc aaaaa 755

<210> 2889
<211> 717
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 2889

cnaaaanatnn	ctggngnngc	gcgttttgaa	ctatcaacta	gatctgggaa	gatagaacag	60
gcnttntcag	attgccttgt	ttacaaagt	tcatacagaa	aagtgttcct	ctaggaaggc	120
ataatatgtg	gcctgatgga	tttgatgagt	agattgtaaa	aggggtggga	ttctggcaga	180
acaagaagag	ataactaatt	agtggaatta	actgagaaaa	gagttcatta	gcagtgtggc	240
tattagactc	taataaaaa	gggtgtgaaa	agatgggatt	tggacctaga	ggcagtccta	300
gagccataat	cctttttttc	tccttttgtg	aaagtgcacg	gtacttctgg	tctgagtcca	360
taaatcagct	atatctaaat	ggaaaactat	atcccactgg	gatggtaatc	acccttttga	420
tagaaagggt	agaagccaga	ttcttcaaca	gaaatggaac	ttatcaattt	aattaagatt	480
cctcaacagt	agatttttag	gtcagtggaa	cccctgtgta	aagcgatgtg	ctactgcatg	540
cctagaatcc	tatatcactg	atagctgaaa	aagaggcana	gcacttacca	ttttcattag	600
nctgtatncc	cttggaatgt	aagccctttt	tgaangggaa	atctactcag	gangctgaag	660
cccggaaaat	nacttggaac	ccaggaagca	naaggtttgc	ttgtnaccn	aaaattt	717

<210> 2890

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 2890

cnaaaanatnn	ctggngnngc	gcgttttgaa	ctatcaacta	gatctgggaa	gatagaacag	60
gcnttntcag	attgccttgt	ttacaaagt	tcatacagaa	aagtgttcct	ctaggaaggc	120
ataatatgtg	gcctgatgga	tttgatgagt	agattgtaaa	aggggtggga	ttctggcaga	180
acaagaagag	ataactaatt	agtggaatta	actgagaaaa	gagttcatta	gcagtgtggc	240
tattagactc	taataaaaa	gggtgtgaaa	agatgggatt	tggacctaga	ggcagtccta	300
gagccataat	cctttttttc	tccttttgtg	aaagtgcacg	gtacttctgg	tctgagtcca	360
taaatcagct	atatctaaat	ggaaaactat	atcccactgg	gatggtaatc	acccttttga	420
tagaaagggt	agaagccaga	ttcttcaaca	gaaatggaac	ttatcaattt	aattaagatt	480
cctcaacagt	agatttttag	gtcagtggaa	cccctgtgta	aagcgatgtg	ctactgcatg	540
cctagaatcc	tatatcactg	atagctgaaa	aagaggcana	gcacttacca	ttttcattag	600
nctgtatncc	cttggaatgt	aagccctttt	tgaangggaa	atctactcag	gangctgaag	660
cccggaaaat	nacttggaac	ccaggaagca	naaggtttgc	ttgtnaccn	aaaattt	717

<210> 2891

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(744)

<223> n = A,T,C or G

<400> 2891

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gagtacgang ggcanaactg gaaaccccat nnctnnanga anccannngcg atgcgaattc      60
gggcacgagg ctcttctctg tgccctttat ccgntttttc cagctcacag cactgacaac      120
cgggtatcatc tccaggctct ccggcacctc tatgtgctgg ccgaggagcc caggcttcta      180
gtgcctgtgg atgtggacac aaacacgccc tgctatgcc tcttagaagt tacctacaag      240
ggcactcagt ggtatgaaca aaccaagaa gaattgatgg ctctaccct tcttcagaa      300
ctccatcttt taaagcagat taaagtaaaa ggccaagat actgggaact gtcatagat      360
ttaagcaaa gacacaaca cttgaagtcc atcctttcca aggatggggg nttatatgtt      420
aaactccggg cgggtcagct ctctacaaa gaagatccaa tgggatggca aagnttgntg      480
gctcaagact gntgctaaca ggaactcnga agccccgggc tttcaagcca gaaacaatct      540
cagcattcac ttctgatcca cacttctggc atttgtgaa nattncngca agccaactgn      600
gaacatgggg cagaaaacag gaaantctgg aactctttt ttcagncccc atgaaagggg      660
taccaggag acccaaaaaa gttgcccgnc atacataaca atggacaggc tataagaaaa      720
cttgggaaaa naaaatgtc tgat                                     744

```

<210> 2892

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 2892

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angttatnaa acccttttga cncgctcttt ttgcaggatc ccatcgattc gaattcggca      60
cgagatcacg ccagctaat tttttgtatt ttttagtaga gatgggattt caccgtgttg      120
gccaggatgg tcttgatctc ctgatcttgc gatccacccg ccttggcctc ccagagtgtc      180
gggattacag gcatgagcca ccacacctgg ccacagaagg gatcatttct aaatagcata      240
gaatcacagg gagtacacct catgtgactt caggtttaga gtcagcattt gtcataatg      300
aattacatat cagttaaata acatgacatg cttcaacttc aataatatta acaaaaactc      360
tttcagtgtg cttattcata gacgaaaaac agggcctgaa aaccagtggt gacttgggtg      420
tcatatatct tcagtttggg tgcactatat cagtgtcaat caataaaggc caggaatgat      480
tttggagtat aatgtccagc cttaaatctt aaatgaaagt gaaattcaaa cacttagccc      540
agcagtagaa gaacaaacac tagtgagaca agtataaatt tgntaagacg aacatggggc      600
agatcccatc atctaataa tggggtcctt cgacagtatg taccgtctnn gaanaggaag      660
naaatattca aggtncccaa atggagccat ttccttcaaa agacaggccc aaggagcttn      720
tgaaaanaaa anccaagtgt nggccaanaa angaaggggg ccct                                     764

```

<210> 2893

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (723)

<223> n = A,T,C or G

<400> 2893

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gnntnnnnnn nngnnctngt ctttttgcag gatccctoga ttgaattcg gcacgagatt      60
tcctgaggtc tccccagcca ggctgaactg tgagtcaatt aaacctcttt cccaataaa      120
ttaccagtc tcgggcatgt ctttattagc agtgtgagaa tggactaata caagtaccat      180
taataaattt caaacgtag attaaatgtg caaatctcct gaaagacaca aattaaata      240
tgacctgaga agaaaagaaa cttgaataga tctgtatcta ttaaagaagt tgaaattata      300
attagaaacc ttttgaacat tagaactcca ggccccttgt tgtgaattct atcgaacatt      360

```

taaagtagaa	gtgaggccaa	ttttacataa	gctcttttag	acaataaaga	aggaacatgg	420
tttatgtgat	tattaccttg	atgttaaaac	cagacttaag	accttacaag	gaaagaaaac	480
tgcatgtact	catgaacata	gatgcaaaaa	tacctaataa	aagtttagca	aattctatcc	540
agtaatatat	aaaaatgaca	attcatcatg	ttcaaattgg	ggttatttta	agaatataag	600
ggttgcttta	acatctgaaa	gtcagtcagt	attaattaac	catactggta	ttaataacct	660
agnaaaacca	ttttggagca	tttcaataga	tgcaaaaaaa	gaaatttgac	aaaaatggcc	720
cat						723

<210> 2894

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (738)

<223> n = A,T,C or G

<400> 2894

tacaagctct	tggtcttttt	gcaggatccc	atcgattoga	attcggcacg	aggagaggcc	60
atggcccgcc	agaccgtant	ctcagacaca	gagctgagta	ttgttgaatc	atctgtgatc	120
agcttgctgc	aggaggcaga	aagtaaactc	gaacttagtc	agaacatctc	tgcccgaggaa	180
cattttgtat	ttaccgatat	tgatggccaa	gtgtatcatc	tcactgttga	aggaaactca	240
gtaaaagaca	gtgctcggat	tccaccagat	ggaagtatgg	gtagtattac	ctgcatcgct	300
tggaaagggtg	atacattagt	gcttgagat	atggatggaa	atttaaattt	ctgggacttg	360
aaaggcagag	tatccagagg	aatacccaca	caccgaagtt	gggtgaggaa	gattcgtttt	420
gctcctggta	aaggaaatca	aaaattaata	gcaatgtaca	atgatggagc	tgaagtgtgg	480
gatactaaag	aggttcanat	ggtgaacagt	ttaagaagtg	gcagaaatgt	gacctttcgn	540
atattggatg	tngactgggtg	tccgtcaaact	aaagtgatct	tggnctcaga	tgatgggtgc	600
atcaaaagtc	ctanagatgt	ctatgaagnc	tgctgtcttt	anaatggatg	aaccaagagt	660
taccggancc	ttgtntgggg	ccccctatct	ccttggttnc	agggcctntc	ttgccttgaa	720
agcccttttt	attacacc					738

<210> 2895

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (710)

<223> n = A,T,C or G

<400> 2895

gtttaagcag	ctctngttct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgagggga	60
cgtccangat	caagaggcca	gcagattcgg	actccgctga	gggctgtttc	ccgatccata	120
gatggtgcct	tctcgctgta	tcctcaatgg	tagaagcaca	aacaagcaag	ctccttcctg	180
cctcttttat	aaggactcca	accctgttca	tgagggtctc	gcccccatga	cccaatcagc	240
tccaaaggcc	ccacctccta	atactgtcac	cttgggggtg	agaattccaa	tgtgaatttg	300
cagggggagt	gggggacaca	cacaaatttc	ggggccatac	cacccttcac	cacaccctcc	360
tgcgctgagg	gtggccttga	gtccctggcc	cttctgggtg	gcatttggtg	tgctctttct	420
cttgggggtga	tttctgatgt	ttttactcta	tatagtgaag	agctagggag	agcgggtcct	480
ctccccctc	cctctccagt	ccccccacaa	tcccagatgg	gttctaatac	agctgctggg	540
gcctgatgcc	ctgagttgtt	tgtgattcaa	taaagaatcc	ataagaaaaa	aanaantncn	600
tnnnnnnnnn	nnnnnnnnng	naannnnnnn	nnnnnnnaaa	nggnnnnnnn	annnnntnaa	660
nnnnnnnnnn	nnnnnnnnnn	ntnnnnnnnt	nnnnnnnnnt	nnnnnnnnnn	nnnnnnnnnn	710

<210> 2896
 <211> 702
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (702)
 <223> n = A,T,C or G

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<400> 2896
gtnatgttgc natgctnttt gcaggatcca tcgattnggg aaccaggggc tgcagaaccn      60
gccntcccc aatgaggacc ccctntggac gccctcccc atggagaaca ccaggagcca      120
cagacccag accacagagc acacagggga gggcacgggg cggccggggc aggggtgtctg      180
ctgcctcggt tatgggattt gctccgctgc tagcacactg ctgcctgcag tgctcctgtc      240
ccctgcagtg gctactctgg gcctacgggc ctaatcctgg ttggcatgaa aatgtcctga      300
ggctactgtg acaaatttcc acaagctgag tggttaaag gaacacattt gttctcttac      360
agttgcaggg gccagaagag tctaaaaaca gtcagcaggg ctggttccnc ctgnaggett      420
ataggggctg aatccggtnn ctgncttttn tagtatctgg agggcgctg catecncnng      480
cttatggccc ctttcatcac caaanccagt ngtgtnacat ctttccacct nttcctgacc      540
ctgacctnng ccctttctct taaaaggacc ntgtgtacct ttgggcctac ctannntnatt      600
tagggatttt antatttaag gaacctgna ttttaatncc actggcnagn accttttgcc      660
aggtnaagng acaaattcca agggtttttag gatnaaaant gg                          702

```

<210> 2897
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (709)
 <223> n = A,T,C or G

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<400> 2897
gtcaaagctg ntctcgnatg ctgcggaccc tncatgnncn agtgccttcc gnaattgacc      60
cangetggga gctattnaca catgtccatg tgggatanag agngcatgan agcncannan      120
cccancctgn tggtnacact tgctcatctg aggnctnacc tggatancan anacctaatc      180
catggggacn mnaancacct aatgngctnn tntgtaacca tccnnntggg tgaatnaccn      240
gaggngcagg antngacnac ctctgtgacc cacnctggga tnaannngtg ctantataan      300
tcgntgctgg cttgactcct gtgcctaagt gatcctcctg ccttnactng ngactagtna      360
ggactannng ncnacaccgg cacacntggc taattgctta aantcncann nttntnnntg      420
ganacgggan nntantgngn acgncnangn tggncatgaa cttttggcct taagcagacc      480
ttctgntgcy gcctnntaaa nngnnnggat tgatccnctn agncnnnncc atggcncata      540
nnattancta naggtttaat nttaggtgan tttnacgta tattgaaatg cncaantctt      600
aactgccagc cnttaaagaa ntcenatnga gatgtaatcc atatactnta gaaanntgtn      660
catanttcac catgcnttat ttgnagggtg accanttcen gggttattt                          709

```

<210> 2898
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (709)

<223> n = A,T,C or G

<400> 2898

ngttaagana	cagctctgtt	ctttttgcag	gatccctcga	ttccgaattc	ggccccgaggg	60
ctattaaaaa	tgtaatcagt	gtgaaaattc	atgccatctg	aatcgtacga	gtatgtaagg	120
gatttgagtt	ccttacagaa	ttttctgtaa	tttagtactt	caagtgaact	ataaatgtat	180
atacttctct	ctcacaaaaa	tgtaggaga	aggaaaatct	taaatactag	cttgatttct	240
taatttaata	acaaaaaaca	attctcataa	catgtatcac	ctaacatgtc	actttcactt	300
taaaagtcta	aagagttgag	gtttatttct	tttcttttaa	agttgatgtt	tatgttggtg	360
atttcgaaaa	gatcagatcc	cccgttatga	aggatcttaa	ccttgtcttt	tagatctcca	420
tgagaaatgc	agtacatgta	gcattagcca	tattttcttt	ttagaggcct	atgtaggata	480
tttataacct	gtaaaagttt	gatgacttca	tgctcaggag	aaagcaagta	attacctagc	540
caagccaggt	gggtgttcag	gttagtggtg	aacagaaagg	agatgttgaa	agatttcata	600
tctaaagggt	aaaaacacan	gagaagtata	tagagataaa	catgtaaagt	ataagactgg	660
tacatagtaa	gctcctncga	agtggcagcc	attggtatta	tttttctgg		709

<210> 2899

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2899

tgtntatagc	ggctctcttc	tttttgcagg	atccctcgat	tccaattcgg	cacgagctct	60
caaataagaa	tgaggagataa	gaantatatc	tgtgcaatat	tcaattgaaa	aanggnaccc	120
ataaaaagtg	tcaaaggcaa	ataatttgct	ctagatcaca	aaactagtta	gcacaaggct	180
aggattataa	ccagggtcta	ggaaaaaatc	ctgaagggtga	tttaactgag	tgtaggccc	240
tgtaagcca	cctgctaagg	ctcatggtct	ttcagactag	cttcaacatt	ccaaatcagg	300
caatagctac	aacggaaaga	taattggacg	gggaatcctg	agatcagagt	cctagtttgg	360
ctttgtctct	tgtagcagga	ttttttaaat	caggggcagc	tctcttntcc	catcccagcc	420
atgaatcttt	caaccttagt	ggtcaccaac	ttgactccat	tccttatata	cagccttgct	480
ctgtcaattc	tcccttaaata	gttaagttgc	atccatttct	aaatatatcc	atggccatca	540
ccctagttaa	aagactatta	cctnacaccc	cgcnccttga	tcttcccccn	ncttttaagt	600
gactcaattc	cttatatnac	tgcncnaaga	ttaacanccn	tgcccatctt	tcattttctct	660
gctgaaagat	ntcanggggt	cccctgante	caaatanng	ttcgatccct		710

<210> 2900

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 2900

gnttntcaag	tgacangann	agctctggtc	cctcgattcg	cagaaaacta	gcaggttaca	60
ttttataggc	tattgtagt	ttatttacca	aatgatattc	tctaaatcac	ttcgaccaat	120
aaatgtattc	tcctccttaa	agcagagttg	tatcaactct	gtgggagcat	ttatgagctg	180
tcagtcccca	cacttctagc	cagaatcaca	ataaggctctg	gctgggtgtg	gggtgctgca	240
taggaaaggg	tctctggaga	agcaagaagg	gcacaatcat	ggccactgc	tccctcttc	300

ttctcagtgc	tctttgccct	ctcctgctgc	gtgettcctc	ttcactccag	tgtgatcct	360
cctgctctct	ctggcagctt	ccacctcacc	cgccccctct	ccacactata	accagtatgg	420
ttggtgctgg	ggcattgact	cagccccctt	gctttctgca	tttgtaatag	atattaatat	480
gatttcctaa	aacagaagat	tttgttgctt	tctttgaact	tgtattgaaa	accatacagt	540
ctcactgttt	tgctttaatt	cctatccaca	ctataaatgg	aagaaaaaaa	ttaatagctt	600
ctgtttaatc	tgatgaatgt	ggcttttttt	cccttcactt	taatgttcaa	gaagttggng	660
gctatttcat	agattcttct	ggattaatct	gggggtccct	ggtatctg		708

<210> 2901

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(709)

<223> n = A,T,C or G

<400> 2901

tttttacatc	agctcttggt	cttgcaggat	ccctcgattc	gccgnattgg	gctatggaat	60
tggaaggcct	gttttggagt	actctaaatt	aaaaaaaaag	tatatattgt	aaataaccac	120
cacaagattg	cctgattcac	agttcttctg	agtattggcg	taggtaatta	tttaagatgt	180
ttgataaatt	gtaaaatgct	ttttacattt	tttaagggaat	caattgaact	actggaaacc	240
agtatgtagt	attcttggca	ggtctagggt	tcataatcct	aatttctttg	cagcccacta	300
ttcagaaatg	tagtgattaa	cagagtcaag	aatgtttcag	gatatttttg	gctacaagta	360
acaataccta	actaaaagt	acttaaataa	taagcagttt	gttattttcac	agaatgagaa	420
gctcagagcc	agagagttac	agggttgggt	cagcagttca	gtttcatcaa	gaacataaga	480
cttgcttact	ttaaagctcc	tctgcatgtc	agcagagggc	tgccccaatt	ttagatacca	540
acatctggcc	aaagaagagc	agggaaatgct	tctttaagta	cttattaggg	agcaaaactt	600
ccttaaaagt	ctcataggag	gtttttcctt	aggtctcatt	ggatctcaat	ggctcttgca	660
tctagaaaaa	ggccacattc	cttactctgg	catttaagtt	tttataccg		709

<210> 2902

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 2902

ggctnnttnn	ccttgtnct	ttntgganct	nnctgatccc	tcgattcgaa	ttcggcacga	60
gaggagatng	ggacagagca	tcctaagatt	caggagnttt	tnctagtcac	agggagcngt	120
gctatttcaga	ggccccaagg	tnnganggag	tttggntgt	ccaaggaacg	caagaaggtc	180
antgcantcg	angcanagta	agtctgaang	agagaggtca	gggctgagat	canggaggtg	240
gtctgaggcc	cctctgaggg	ggacctgata	aangggtttg	aattcatnt	gaantgtaat	300
angtccatat	tagaagcana	aactataaaa	ggagtangc	tgataaacct	agggntcata	360
acagcacgaa	aaaggcaata	gataatanga	cacaagcaan	aaaaaattca	cgtgattaaa	420
ataatacact	tgcagagctt	acaaagagaa	atgtnagtna	tccaggaaat	ctantngcat	480
ctaagncttc	attcatctta	ccagataaat	gaaatgctna	aatntnagtt	gcttgcatat	540
ntaacacaca	gatattcttt	tatatacaca	cattcatgtc	ataaancatg	tgangnttat	600
cnanaagaat	tnanaatnct	tgtgatgagc	tttacttacc	ataggtcata	ttataatgat	660
taatgagggc	atttgaaatg	tatttcacct	atcttgagat	ttgcaaatg	ngtatgaaac	720
atgtcatatc	atnactatgc	actntaaaa	ag			752

<210> 2903
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (757)
 <223> n = A,T,C or G

<400> 2903
 gtcttcttca agatgnanccg ctttcgncn ttgcaggatc ccatcgattc gaattcggca 60
 cgagaccatt ttattttttg ggccattacc ctttaccctc tattgtgcc aaaaccacat 120
 gggctggggg ccagggctgg atggacagac acctccccct acccatatcc ctcccgtgtg 180
 tggttgga aaactttgtt tttgggttt tttttttct gaataaaaaa gattctacta 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaactc gancctttaa 300
 aactntagng agtcgtatta cgtaaatcca gacntgataa gatncattga tgagtttga 360
 caaacncaa ctagaatgca gngaaaaaaa ngctttattt gnnaaatttg ggatgctatn 420
 gcttnattng tanccattnt aagctgcant aaacaagtta ncancancan tngcnttcat 480
 ttatgtttt aggttcaggg ggaggtgtgg gaggttttn aattcncggc cgcggngcca 540
 atgcattggg cccgggtacc annttttgn cccttnagtg agggtttaatt gcncccttgg 600
 cgtaatcatg gcatagctgt ttccgtgngg aaattgttat ccgntcacia ttccacacia 660
 catacgaacc cgggagcata aagtgtaaaa ccctgggggt cctaattgag gagctaactc 720
 acattaaatt gnggttgncc tnaactggccg ctttcaa 757

<210> 2904
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (750)
 <223> n = A,T,C or G

<400> 2904
 cttanacaaa ntctgtgac ttgctctttt tgcaggatcc catcgattcg ctcagattaa 60
 gggtttga aaacaaaccga aaaagatggg cttnataaag ccagacttga ttgacgttga 120
 cttaatcaga ggtcaacat ttgccaaagc aaaacctgaa attccatgga catctctgac 180
 tcggaagggg cttgttcgag ttgtattttt tccattgttc agcaattggg ggattcagggt 240
 tacctcttta agaactcttg tttggctgtt actactttat ttcattgcaag ttatagcaat 300
 tgtcttatat ttgatgatgc ctattgtgaa cataagtga gtacttggac ccttgtgcct 360
 tatgtactc atgggaactg tccactgtca aattgtgtct actcagataa caagaccatc 420
 aggaacaat ggaaatcgaa gaagaagagt ttctgtcttg ttgccaggc tggagtga 480
 tggcgcaatc tcggctcact gcaaccgata cctcctgagt tcaagcgatt ctctgcctc 540
 agcctctcaa gtagctggga ttacctgcgt atgccaccac acccagctaa tttttttttt 600
 tgaatttagt agagatggga tttcaccatg ttaatcangc tgatctagaa ctctgacct 660
 cangtgatcc accgcctcg gtcttccaaa aggactgggg attacaggcg tgagccactg 720
 gaccagccg ctaaactttt aataaggatt 750

<210> 2905
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(751)
 <223> n = A,T,C or G

<400> 2905

entnngnaga	ncctntttga	cnagcncttt	ttgcaggatc	ccatcgattc	gttttgccct	60
gctaaaatga	tgcttagcct	gaaaaatcgg	attnnactt	ctcaaattta	tttttccaac	120
tcagtaatta	aaaaaacatt	tacttctgc	ctactgggtt	gtggaatatt	gtcaggatct	180
ctgggttcca	ggtgagggat	gcagaatgca	gggaaagaca	ggtcccctgc	cctccagaag	240
tcggtggcgc	cttttcagag	taacacacac	tggagcagac	ccctggaaaa	ggacagtcca	300
ctggtggacc	atgaccttgg	tcaaaagagg	gaccaggtct	ggcttgctca	ctgttttgca	360
cccaagaagt	atgtgtcag	ggaatgaggg	ggtagattc	ctcctcatte	attaccatte	420
ttactaggca	gaggcctcat	tgggattaaa	agacaggaat	gtaactctct	gcccactgat	480
agggaaatgtg	tgtttgctct	ttgtatccca	gggtgtgat	acctctttcc	tgtggtcact	540
ctgcacttaa	gatatttttg	ggcctggcac	ggtggctcac	gcctgtagtt	ccaacacttt	600
gggacgccaa	ngtgggcaga	tcacgangtc	aagagatcga	gaccatnctg	gncaacatgg	660
tgaaaccttg	tctctactaa	aaatccacag	attanccagg	cgtggtggca	agtgcctgt	720
aatcccactt	cttaggaaaa	ctgaggcagg	a			751

<210> 2906
 <211> 753
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(753)
 <223> n = A,T,C or G

<400> 2906

tttttaatcc	ttgctcttgt	tctttttgca	ggatccctcg	attcgagag	tcaacatgga	60
gcatctcact	gtgaaatgat	ccatggattg	aaggatatgg	taaaatgttt	atagtttact	120
ttgaaagtaa	aatatactat	gtcttggttt	tgaggatatt	ggatacaaaa	ctctcttctt	180
ttagggctac	tgagtcttga	ttcctgatca	tcagaaatct	caccagaaac	aacttgcttc	240
caatataccc	aattctatat	gaagaattca	tggagagtgt	atcggaatg	gaagagttca	300
gtgtttcttg	tatgcttgaa	aataaagtat	gtactgnttt	gaatgtgaaa	annnctatnt	360
aaananactc	nagcctntag	aactatagtg	agtcgtatta	cgtagatcca	gacatgataa	420
gatncattga	tgagtttgga	caaaccacac	tagaatgcag	tgaaaaaaat	gctgtatttg	480
cgaaatttgt	gatgctatng	ctttatttgt	aaccattata	agctgcaata	aacaagttaa	540
caacaacaat	tgcnttcatt	ttatgttcan	gttccaaggg	gaggtgtggg	aggttttcta	600
atnagctgtc	nactatnccc	nttgcnnntn	tatnncaccn	aatttttgnt	tcntttnaan	660
anacctatt	tccnggcntn	gccctanncn	nggttnnaan	tgcnttcccn	tnaannnatc	720
ntncttgntt	tggccttccn	anaatgcngg	gan			753

<210> 2907
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(781)
 <223> n = A,T,C or G

<400> 2907

gcntnnaaga	cccncttgga	aattcccctt	ttgcaggatc	ccatcgattc	gaattcggca	60
------------	------------	------------	------------	------------	------------	----

cgagcagcgg	cgaggctctgc	gggaggcatg	nttttttagct	nnggacgagc	gccggcgggg	120
ccccgcggca	ggggagcagc	tgcagcagca	acacgtctct	tgccaggctct	tccccgagcg	180
tctggcccag	gggaatcccc	agcaagggtt	cttctccagc	ttcttcacca	gcaaccagaa	240
gtgccagctt	aggtcctga	agacgttga	gacaaatcca	tatgtcaaac	ttctgcttga	300
tgctatgaaa	cactcagggt	gtgctgttaa	caaagataga	cacttttctt	gcgaagactg	360
taatggaaat	gtcagtgag	gttttgatgc	ttcaacatct	cagatagntt	tgtgccagaa	420
taatattccat	aatcaggccc	atatgaacag	agtggncaca	cacgagctta	ttcatgcatt	480
tgatcattgg	cgtgcccatg	ccgactggnt	accaacatca	gacatttggc	ccngctcaaa	540
ggttcngagc	tngctaaccn	tanngggaga	cngnnnaacn	tggncaaatg	anatancaaa	600
ngccacattt	acggnnncan	aacaacacca	ccaaacttgg	ngngcgaana	nanannccct	660
ctttnnnatn	cnggnnnnnn	nngaacnnc	ancncaanna	anaagcctnn	anaangcnnc	720
nnganccaan	nnnnnnnnaa	aannnnnnca	ancnccccnn	nnncctnnnn	nnaaggancc	780
c						781

<210> 2908

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (699)

<223> n = A,T,C or G

<400> 2908

ngttaagacc	tgctcttggt	ctttntgcag	gatcccatcg	attcgaanaa	ttttatggac	60
ttctatggat	atttcttgat	gcttagagat	ttgttttttt	aattgcaaat	gtgaattggn	120
tatttacnaa	tgctattaca	tatggagcgg	gcctgtggtg	tatggcacta	ttccttggac	180
taatgggtacc	caggttccat	tctctgctca	gctcgggtggc	tctagacaaa	gccctaaaa	240
tgctgtctgc	ttcagttctc	ttaatgggtga	agtggaaatg	aatacctact	gtcacttaac	300
tcatggagat	gctggactga	taattagatc	atgtaaatagc	actttgagct	gtattgaaaa	360
atatgttgct	tcaaattaag	tagagtctat	ggttttgnaa	atataaatat	attgccagaa	420
aatacatcac	tgggggagca	aaacatgtag	accaaataa	acagggatta	gnaacatcag	480
taaacatagt	tgggaaaaga	tggcactaaa	gaaagccaag	aagaaagtgt	tgctcttgtn	540
aacccaatga	aaaaaaaaaa	aactcgagcc	tnanaacta	tantgggtcg	attacgtaga	600
tnngacatg	atnagatcat	tgtgagtttg	gacaaccaca	ctagaatgca	gtgaaaaaaa	660
tgctttattg	tgaaattgtg	atctatgctt	tattgtacc			699

<210> 2909

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (729)

<223> n = A,T,C or G

<400> 2909

ggatccnatn	gcnggatccc	atcgattcga	ancccgncg	agtctaggcn	tganccattg	60
cncanccccc	agggttttaa	tnnaannnna	ancntgctga	gnntnnaang	ngaaaagagg	120
ccagntgtgg	tggtcctnctgn	ctgnggnccc	agctnctccg	gaggctggcg	catgaggatc	180
attnngccc	aggctgcaat	gcaanggcac	nnatcacggc	tttctgcac	cttnacntgc	240
tgggcnggac	acggagaccc	tgtttatnaa	ngatgaantg	ctggagtacn	caatngnata	300
tgannanataa	ntncaactnt	nntaaagnan	ctgtatatnn	aatgagtggga	agcanatntg	360
gcanactgtt	aatngtacat	atattgaaac	tatagctttt	acacttcttt	gaccacaacg	420

ggtatatgta	ncacttgata	tgatgcacaa	tnngtgcacc	anntatatnt	ntgtcttntg	480
acntgggttt	tgacnnagnt	tcactntgcg	tncagncttg	angntgctac	tnactgaaga	540
tcgngnnaaa	atnntcnnct	ncactggggn	gattanaana	tatactggng	ttatcantgg	600
aagaaangtt	ntntacccaa	annnntngaa	ccctctttta	aaaggattgg	ntnnagtaaa	660
ttttaccgnt	nggttcccct	acnttntttn	caggnttccn	ttttggnnng	agttttnngn	720
ccaaacccc						729

<210> 2910

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 2910

ganggctctt	gttctttttg	caggatccca	tcgattcgta	aatgttgaaa	ttaactagac	60
aaagtagttg	aagtcctgat	gaaaagattg	ttcagttctt	cttctcctgt	agctcagaac	120
ctgtttggt	catacattta	aatgtagaaa	tataaagctt	ttagaagaaa	acataggtga	180
aaacctacaa	gacaaaactt	ggtgaagagt	ttctccatgt	gatgcaaaaa	catgatccat	240
agaagaaaga	aatctgtaaa	ttggacttta	tcaaaaattaa	aaacatttgc	tttgcaaaat	300
gccctgttaa	gatgatgaaa	aaacaaacta	catactggga	ggaaataactt	gaaaactgct	360
tatctgacaa	aggactctta	tctaggatat	ataaaaacta	aaaactcaat	agtaaaaaagg	420
caaacagtcc	aattagaaaa	tgggcaaaaag	atattcattt	cgccaaaaag	gttatacggg	480
tgtcagctga	acacatgaaa	agatgttcag	catcactagc	ccgtcagagg	aaattgaaaa	540
atgacatatt	accacacacac	ctattagaac	agttggaact	cttgcttgaa	ccccangaag	600
tttaaagacc	cggcctgnaa	caaccaccan	gccaaaggaa	cttgtcttaa	aaaaaaaaatt	660
aaaaatttaa	aaaaatttagc	ggaccaattt	ttggaaattg	gcntgggcaa	aaggaatttt	720
tgaaagaaaa	atcangaact	tcttnantna	c			751

<210> 2911

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(720)

<223> n = A,T,C or G

<400> 2911

tgggnnnnnn	ttntnnnnnt	acangctact	tgttcttttt	gcaggatccc	atcgattcga	60
attcggcacg	agaagatggt	tgattcttca	gataactttt	gaaatgtgct	ataaagggcc	120
tagtttaaaa	ggaacttctt	ttgaaaagca	attaacagtt	gataaagggt	taaataaaaa	180
ttatctagta	aggaatttct	tattggaatg	taaactgtgt	tctaatttta	aatagacagt	240
gatataaaga	ataaaaagta	aacagtgaaa	ttgagttctc	cagggaaaag	gcagacctgt	300
ttagtaaaaa	aaggatgctt	ttttcagtga	tgtctttttt	tgagtgcata	tgtgtgtgac	360
tcttgaaaga	atccatgttc	agatttatca	gatgattgaa	gtgggtgttc	tgaataaaga	420
aagctgtgag	gcctgaggca	gtgacgtatc	aggaaacata	ttttattgga	gatttgggaag	480
ctatagtaaa	acataatggc	aataagccaa	cttcccagtg	gtaaaccac	agtgggtggt	540
tagttactaa	cctcttgatg	accgaggagg	ttataatttg	gatattgcag	agcagcaata	600
tgtaacctgt	gtgtaatctc	anggccctca	ggttaacagt	ttcagtnaga	agctaagaga	660
acactgacaa	aatttagctt	accatgacta	gctgccagtt	ttatgtgggc	ctgtgttccc	720

<210> 2912
 <211> 715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (715)
 <223> n = A,T,C or G

<400> 2912
 gnnntnnntt tnnnatnnac aggtacttg ttctttttgc aggatcccat cgattcgaat 60
 tcggcacgag gtcagaatgg ggaaagtggc aggatgcagg caaacatgtt cttaatttag 120
 agacagatga aggtcagga ctttcctagg cagataaaaag aagaaagaag ctgctttttg 180
 aaaagagggga tcaagattag gacaaaaagg gagattcagc catcagcaga acccaaataga 240
 gagcctacaa agagacactg tctactcaga gtacatcttc agacatccag ggtcccaagc 300
 tactgtgttt actgttagcc cttagccatt gttaagtctt actgctttat aactcttctt 360
 taagaatata ttaatatgtaa aattacttac tcctatatat acaacgaatc cttaattatc 420
 aaaaacattt atagtcatca cctcatgatt cagtttgccc ttctctagtc caaatgaatt 480
 gaagtaggaa ttcattaggac cgttcctagt gaagaaagat tttagtgcata tttaaagaaa 540
 gtaaaaagta tattctcttc tgatagaaat tttcattctg ataataatttt atttgnatct 600
 ttttttaatg tcatggcaag aaatgcaagt tgatgggcaa gggacaatgg ctnacacctg 660
 taatcccaca ctttgggang ccnatatggg ctgatcacct gaggcaggag ttccn 715

<210> 2913
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (705)
 <223> n = A,T,C or G

<400> 2913
 gttnnnnntt tntnnntana caggctactt gttctttttg caggatccca tcgattcgaa 60
 ttcggcacga gggcatctgg actaatagtg aaagagtggg atagtgtgaa actgcatgct 120
 acagttatga atacactatt caggaaagac cccaatgttg tttgagaact tctactttgg 180
 ctccctaaag ctgaattcaa ttcacatctc tcagagggtc accgtagaca gctttggaaa 240
 ctacgcttcc tgtggacaaa ttgacttctc ctgaggtgga tcttggaag cactagaaac 300
 taaacatctt caccaggtgc tgaagaaaag tgtcttcgtt ttaattgcc aagcanggatg 360
 tggacatttg gatggtgact tccctgggtg gntccccata gattcaccat tgcctctaata 420
 ggtgtctaca cccgtcatal taccagctga gatgggtggtg ggcataagga gaatttgtgc 480
 ctataccctt agtgggtctg gttttttctt ttaattntta aattgtcnta aaatctcata 540
 aaacatactg ncttcaccat ttttaaagtg cacagtttan taaccgttac tggtaatect 600
 tcataatgct gtgtggcccg nnancgccgn catnttcata ggcttctcac ttggnaaaat 660
 gggaaactggc ccattaacaa gaattccact cctccaaaaa aaaaa 705

<210> 2914
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (714)

<223> n = A,T,C or G

<400> 2914

gttnnnnnntt	cnatatngac	aggctacttg	ttctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	aatatatcac	atcatgtaat	aagcctctca	gagatgtagc	attgagcaga	120
ttaaggcctc	atztatagaa	gaattccacc	ctggccatgt	gggcctgaaa	ctctggaggg	180
ctttaacaat	gtcttgaggt	cattgtcatt	ttaaagagatg	actcantggt	tttatttagt	240
agaaataaat	actaaataaa	taatctccac	agattatcca	gaggggtaag	ttgaaggatg	300
ttgacagata	actcagtaaa	ttgcgtctca	aatattaata	agtttattct	atgccagcac	360
caaaaatatt	tcagagatgc	ttttaggctt	ctctcaagta	tgctcggaac	agaaaaggat	420
tatagaaata	tttatagtag	gcataaactt	gcacaaaagc	tcaaagtacc	ttaagcaagc	480
ttgttgcaat	tattcttttg	gagaactgga	ttaagtaatt	atttcttggt	gcctctgact	540
atttaacctc	ctactaaact	gccattgnt	taaatgtctc	ttatttagct	ctgnttttat	600
cactccttaa	atttaatat	ctcaaggcca	aaattatagc	antgatggtc	angacatctt	660
tgaagacaat	tanattctga	gaggataatt	tatatgtana	attaggaata	ttcn	714

<210> 2915

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (710)

<223> n = A,T,C or G

<400> 2915

tgtntatagc	ggctctctnc	tttttgcagg	atccctcgat	tcgaattcgg	cacgagctct	60
caaatagaaa	tgggagataa	gaantatatc	tgtgcaatat	taaattgaaa	aanggnaccc	120
ataaaaagtg	tcaaaggcaa	ataatttgct	ctagatcaca	aaactagtta	gcacaaggct	180
aggattataa	ccaggggtcta	ggaaaaaatc	ctgaagggtga	tttaactgag	tgtagggccc	240
tgtcaagcca	cctgctaagg	ctcatggtct	ttcagactag	cttcaacatt	ccaaatcagg	300
caatagctac	aacggaaaga	taattggacg	gggaatcctg	agatcagagt	cctagtttgg	360
ctttgtctct	tgtagcagga	ttttttaaat	caggggcagc	tctcttntcc	catcccagcc	420
atgaatcttt	caaccttagt	ggtaaccaac	ttgactccat	tccttatatc	aagccttgct	480
ctgtcaattc	tcccttaaat	gttaagttgc	atccatttct	aaatatatcc	atggccatca	540
ccctagttaa	aagactatta	cctnacaccc	cgcnccttga	tcttcccccn	ncttttaagt	600
gactcaattc	cttatatnac	tgcencaaga	ttaacanccn	tgtccatctt	tcatttctct	660
gctgaaagat	ntcanggggt	cccctgantic	caaatanngg	ttcgatccct		710

<210> 2916

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (717)

<223> n = A,T,C or G

<400> 2916

gnggcnttnt	gtanangnta	cagctacttg	ttctttttgc	aggatccctc	gattngcagt	60
cctctgcata	aagctgagag	atgcctacag	ctgagagtga	agcaaaaagta	aaaaccaaag	120
ttcgctggga	agaattgctt	aagaccacac	gtgatctaat	gcgtgaaaag	aaaaaactga	180
agaaaaaact	tgtcagggtc	gaagaaaaca	tctcacctga	cactattaga	agcaatcttc	240
actatatgaa	agaaactaca	agtgatgatc	ccgacactat	tagaagcaat	cttccccata	300

ttaaagaaac	tacaagtgat	gatgtaagtg	ctgctaacac	taacaacctg	aagaagagca	360
cgagagtcac	taaaaacaaa	ttgaggaaca	cacagttagc	aactgaaaat	cctaattggtg	420
atgctagtgt	agaggaagac	anacaaggaa	agccaaataa	aaaggtgata	aagacggngc	480
cccagttgac	tacacaagac	ctgaaaccgg	aaactcctga	gaataagggt	gattctcaca	540
ccagaaaaca	catncaaagc	ccagccaggc	gttgatcatc	anaaaagtga	gaaggcaant	600
ganggaagag	angagactgt	tttanaagaa	gattgaanaa	ttgntgcagc	cttttcantg	660
ncatgtnact	ngaagnaatg	ggcaaaggag	atttanaggg	gaattnnnaa	anancnc	717

<210> 2917

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(740)

<223> n = A,T,C or G

<400> 2917

atthttatgct	tgctctgttc	ttntngcagg	atccctcgat	tcggctgggc	tagcagaaaa	60
acctcaggca	tctgtgagga	catgagttta	cacacgctga	gactcacaga	tncaaaaatg	120
caacccaatt	ccaccctga	attgagggga	gtgcatagaa	gtgaatgtcc	cgtctttctg	180
aggtctgttg	atthttgta	tagtaaacga	aggggtgcatt	tctgattttt	ttttctgtg	240
tgctagaatt	cattgctagt	aaaactcaag	ataatagcga	tgagtaggag	gtatcaaaga	300
tgaactgtag	agggacagtt	taagttactt	aagaatcgtc	agcaagatga	aatctacttt	360
tagcagaaat	tgggtttttt	tgtgtttttt	tgttttgttt	tattttctaa	aagtaaagtc	420
tgcacctgtg	tcagcctgtt	agtggagggtc	tgagcaagta	aaagatgggt	tggattataa	480
acttacaac	acaggatgtt	ctgtttctca	aacgggagaa	attaagaaga	gatgcttgta	540
ttcaggagac	ggcatagcta	ctcaaaatcc	ttgatatctt	gctatgggta	gtcttgcca	600
actgtgctat	gtgacctact	atggcctttat	gangtaaaat	tagtatatgt	gtcactattt	660
gaaaattttac	atatagttat	acataatgna	tttaagnngc	nanngnacng	aancctnggn	720
gnnaanattt	gnncctnnnn					740

<210> 2918

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2918

cttnnaatnn	cagctntggc	tacttgttct	ttntgcagga	tcccatcgat	tcggtcagat	60
ggtagaaaa	gaaatannta	aatagatacc	atntgagttc	tgggagccag	gtgaagaagt	120
gtttgtttgt	ttttgagacg	gagtctcact	ctgttaccga	ggttggagtg	cagtggcctg	180
atcttggcgc	actgcaacct	ccgccttctg	ggctcaagtg	attctcctgc	tccagcctcc	240
tgagtagctg	gggtacaga	cgtgtaccac	cacacctggc	tactttttgt	atthtttagca	300
gagaggggat	ttcgccatgt	tggtcaggct	ggttttgaac	tcctgacctc	aggtgatctg	360
cccaccttgg	cctctcaaag	tgctgggatt	acaagcgtga	gccactgtgc	ccggccanaa	420
ggagtgtttt	gagaatggct	aanagaagat	aggttgaata	gctatgccta	catgtcacta	480
attaacatct	cgatagatctc	tgctacaggt	tgncgacctc	atttagtcta	atattttccc	540
aatggcatga	gtataggaag	ataaacgggg	aatgttttga	agtaataaaa	aaattccatc	600
cataaagaag	aacaacatgt	attaagcttt	gtgcaccaa	caacacaaca	ggaagacaca	660
taaggcagaa	ccttttanaa	aaaaaannng	gnnnnccaaa	nagcaggtnt		710

<210> 2919
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (710)
 <223> n = A,T,C or G

<400> 2919
 ctttnnaatnn cagctntggc tacttgttct ttntgcagga tcccatcgat tcggtcagat 60
 ggtagaaaat gaaatannta aatagatacc atntgagttc tgggagccag gtgaagaagt 120
 gtttgtttgt ttttgagacg gagtctcact ctgttaccca gggtggagtg cagtggcctg 180
 atcttggcgc actgcaacct ccgccttctg ggctcaagtg attctcctgc tccagcctcc 240
 tgagttagctg gggctacaga cgtgtaccac cacacctggc tactttttgt atttttagca 300
 gagaggggat ttcgccatgt tggtcaggct gggtttgaac tcctgacctc aggtgatctg 360
 cccaccttgg cctctcaaaag tgctgggatt acaagcgtga gccactgtgc ccggccanaa 420
 ggagtgtttt gagaatggct aanagaagat aggttgaata gctatgccta catgtcacta 480
 attaacatct cagagatctc tgctacaggc tgnccacctc atttagtcta atatttttcc 540
 aatggcatga gtataggaag ataaacgggg aatgttttga agtaataaaa aaattccatc 600
 cataaagaag aacaacatgt attaagcttt gtgcaccaa caacacaaca ggaagacaca 660
 taaggcagaa ccttttanaa aaaaaannng gnnnnccaaa naggcaggtnt 710

<210> 2920
 <211> 713
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (713)
 <223> n = A,T,C or G

<400> 2920
 gttntngat cagctcttgt tctttttgca ggatcccatc gattngaatt cggcacgagg 60
 taccacatct agatacgagg tcagagtcca gatgcctaaa tattgtagct tgtgtttngt 120
 ccactgttgg ggggaagagt aagagatttg acataccata atgttgatta gcttgtgatg 180
 gtttggcggc agcttaggcc agagcataaa gtaaaaagga aaagtgttca cagacaatga 240
 aaactgggac caagtgttga atactcaagg cacacagacc angcaaggat cccagtggcc 300
 gtggatgagt cttaggttgg ctctgggcca ntggaacaca cctcagtgtg ggtgaaggcc 360
 tagccagggg agcanagggc agggctacag aacagcagcc cangtggctg tggccgacct 420
 gacattctcc tgtgaaaatc angtgcccaa ccagcactaa cctagataga tggcancatt 480
 ttntttcttt aangacagga tcttgcctat ttgctcaggc tgactttgaa ctctgncct 540
 taaaggatcc tccctcttca gcttnccaaa ncactggggt tacagatgtg agcccttcaa 600
 cgtnagtgcc atngggctan aancctaacc ccncattgct tgntgatcgt nacgctcgna 660
 atcnntttta taaacggntn tncaancctt gagcttttcc ggggttaagna ann 713

<210> 2921
 <211> 702
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (702)

<223> n = A,T,C or G

<400> 2921

gttactcctc	tnanatcagc	tacttganga	tecctcgatt	ngaattcngc	acgaggcgat	60
ttatttnaca	gagttaaggg	gccagtacac	ttnatggat	aaaattatct	ttntcagggg	120
atgaaggcac	aaggagaaaa	ttacttgaag	cttgagatc	ttctctggca	agcaatttac	180
aaattctggg	gttcttngat	ctggctcccn	gccagacaa	ccanggagtt	nttnatgttc	240
tatcctcatg	tgannnact	atacgcaata	attngncntn	ngccatanag	gagggatccg	300
atanntgaca	tngtntccn	ncanatatac	tnncntgna	atgnnnctna	taatgcatnn	360
nntnnattcc	tntctaggnt	acnncnnant	atatntnntn	ggnaactcat	ttaacancaa	420
nttcacngca	ttcccntggg	gttacatata	cncnaagac	tatgctgana	ctgtgcacca	480
tgntacatn	ngggaattgg	atggggtgct	tnacggactn	ccttgatgc	aagnacttac	540
cagacgtttc	canccaanct	gacattgntg	naatgcatta	cncacntggg	gntncaantt	600
tactacacct	cganaggacc	gttcacnggn	atttaacctn	tcaaanatng	ttcnnanggt	660
tacaaggctc	ccaattgttn	ganccttggg	gctttgncaa	cn		702

<210> 2922

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 2922

anacnnttta	nnctngttct	ttttgcagga	teccatcgat	tcgaattcgg	cacgaggtat	60
actttgacac	tgagaacaaa	gagacagtta	tatctggaat	gggagaatta	cacctggaaa	120
tctatgctca	gaggctggaa	agagagtatg	gctgtccttg	tatcacagga	aagccaaaag	180
ttgcctttcg	agagaccatt	actgcccctg	tcccgtttga	ctttacacat	aaaaaacaat	240
caggtggtgc	aggccagtat	ggaaaagtaa	taggtgtcct	ggagcctctg	gacccagagg	300
actacactaa	attggaattt	tcagatgaaa	cattcgatc	aaatattcca	aagcagtttg	360
tgctgtctgt	agaaaagggg	tttttagatg	cctgcgagaa	gggccctctt	tctggtcaca	420
agctctctgg	gttcgggttt	gtcctgcaag	atggagcaca	ccacatgggt	gatttataatg	480
aaatctcttt	catccgagca	ggagaagggtg	ctcttaaaaa	agccttggca	aatgcaacat	540
tatgtattct	tgaacctatt	atggctgtgg	aagttgtagc	tccaaatgaa	tttcagggac	600
aagtaattgc	aggaattaac	cgacgccatg	gggtaaatcac	tgggcaagat	ggagttgagg	660
actattttac	actgtatgca	gatgtccctc	taaatgatata	gttgggnt		708

<210> 2923

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 2923

gnnnnnttct	aatgcnnngc	tntntgcag	gateccatcg	attcgctccc	attcccggaa	60
ggaggagaca	gttactgtct	atcccgcaga	cgtgggtgctc	tttgaaggga	tcctggggca	120
gaatgaggtg	gactatcgcc	agaagcaggt	ggtcatcctg	agccaggata	gcttctaccg	180
tgctcttacc	tcggagcaga	aggccaaagc	cctgaagggc	cagttcaact	ttgaccaccc	240
ggatgccttt	gacaatgaac	tcattctcaa	aacactcaaa	gaaatcactg	aagggaatac	300

agtcagatc	cccggtgatg	actttgtctc	ccattcccag	gaggtacgag	acctgttcca	360
gatgaagctt	tttgtggata	cagatgcgga	cacccggctc	tcacgcagag	tattaaggga	420
catcagcgag	agaggcaggg	atcttgagca	gattttatct	cagtacatta	cgttcgtcaa	480
gcctgccttt	gaggaattct	gcttgccaac	aaagaagtat	gctgatgtga	tcacccctag	540
aggtgcagat	aatctggttg	ccatcaacct	catcgtgcag	cacatccagg	acatcctgaa	600
tggagggccc	ttcaaacggc	agaccaatgg	ctgtctcaac	ggctacaccc	cttcacgcaa	660
gangcangca	tcggagtnca	gcagcaggcc	gcattgaccc	gtcttcatcg	gaccc	715

<210> 2924

<211> 724

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (724)

<223> n = A,T,C or G

<400> 2924

gggnctttan	atctataggn	tacaggctac	ttgttctttt	tgcaggatcc	catccgatgc	60
gcaagtaaga	aaacatggcg	gctatccttc	tctcacatcg	aaaaggaaat	tttgaacaat	120
catggaaaat	ctngnccgtg	ctngnaaaac	anagaagaga	aatgttgag	gaaagattgt	180
ttaanactaa	tgaaatacct	tttagaacag	ctganagaaa	ggtttaacng	acaaaaanca	240
tctggataaa	tnntcttctt	atcatgtgaa	aactgccttc	tttnacntat	gtncaccagna	300
ccctcaanac	agtcagtgng	accanacnga	nctggncctn	tgctttgana	actggatgac	360
attcttgntn	nattgcctna	ggtcagatnn	acttgagaat	tagttcatcc	nnncttcaat	420
ctatectctt	gcagaattnt	ttgacatnta	cmtcagcaat	ntttgctnta	ncanagnccn	480
atgtaggata	tctatgacct	nncanngttt	gatgantncn	tgcnncctgna	tnnnncgaga	540
gatntcctaa	cnatnncann	nnntaanttc	tggtantgct	caacagattg	gaaaaagggg	600
ccagantctgt	gnctnaangg	ttaaaancnc	aggannagta	ttttnctgta	acatgnaaan	660
gnttangact	gttcatnnnt	tgntcctccg	aaantgggca	ccnttntta	ttnatccnc	720
tgcg						724

<210> 2925

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 2925

ggtttanttt	aaatccntnc	ncagctactt	gttctttttg	caggatccca	tcgattcgaa	60
ttcggcacga	gcggacccat	cggagcgtaa	cctggatctc	cgcaggcctg	gcggaggccg	120
gccacctgga	ggggcattgc	ttggttcgcg	tggtancaga	ggagcttgag	aatgttcgca	180
tcttaccaca	tacagttctt	tacatggctg	attcagaaac	tttcattagt	ctggaagagt	240
gtcgtggcca	taagagagca	aggaaaagaa	ctagtatgga	aacagcactt	gcccttgaga	300
agctattccc	caaacaatgc	caagtccttg	ggattgtgac	cccaggaatt	gtagtgactc	360
caatgggatc	angtagcaat	cgacctcagg	aatagaaaat	tggaagaatc	ggttttgctt	420
tattattccc	ttcaaattga	aggaataaaa	atncaacctt	ttcattttat	taaggatcca	480
aagaatttaa	cattagaaag	acatnaactt	actgaagtag	gtcttttaga	tacctgaac	540
ttcgtgtggt	cttgnccttg	gttataattg	ctgtaagggt	ggagccagta	attatctgca	600
gcaagtagtc	acncttttca	gtgatatgaa	tatcatcttt	ggcttggaag	ccantngaca	660
acctgncatt	actgactttt	tgaaaanaac	cctctggata	ttgatgcctc	gggtgtggtt	720

ggactgncat ttagtggacc ccgaatcc

748

<210> 2926

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(815)

<223> n = A,T,C or G

<400> 2926

tnaatanagc	tctngttcctt	tntgcaggat	cccatcgatt	cgaattcggc	acgaggtcctt	60
cctgtgcagg	gtgctttggt	agccatcaga	gaggaaccaa	gggcaacatc	ttttcttccc	120
aggcgcttctt	ctctgggtgc	tttattctct	tctttttcctt	tatttcgccc	ccaccccat	180
cccctgcctt	tntttttttt	ttttgtatag	aaacagatcc	atttcttgggt	aatcaaagca	240
catttgtttg	gtcttctctc	aaccttttgc	atttgatttc	taaacattcc	ttcatatgcc	300
tttaatgaaa	gccagcantt	atcccatggg	ccctacttga	atztatctga	ggcagctaca	360
gattgccttg	caagatgagt	ttttggagat	aaatgaaata	actggacaca	cactcacaca	420
agtaacacca	cagcagacct	cggagtactg	ctaagtgtac	ctgtgtcaaa	tccgcacang	480
actcaatata	gcaattnatt	cttgatgtat	gcaatngccc	attggaaatt	atttttaaca	540
gagcnccact	taattaattt	ggaataggat	tatataatat	tagaatcttt	ggggtatggg	600
ncctttaacc	cttcttncca	tgggggaaac	ttnttttccc	ttnccttgaa	tggtgngaaa	660
ttgggaccat	ttttaaaaag	cctttggtcc	cggtgnaacc	ttttggcatt	acccatttna	720
aaccgnangc	cnccaggntt	tanagaaacc	ntgaaatttg	aagaaaaaaa	gggcccacat	780
nggnctttga	aattttttta	cccnatgggt	ggccc			815

<210> 2927

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(756)

<223> n = A,T,C or G

<400> 2927

tggngagtgnn	nnnnntttt	ataaagacag	gctacttggt	ctttttgcag	gatcccatcg	60
attcgaattc	ggcacgagcc	aggcttgaag	ttatctctaa	tttagagggt	agggacagtg	120
acacaggaaa	gaggctctgt	gctttatctc	tggagatgtg	ggatcataaa	aacgtctttt	180
taatctgatg	atcattaaaa	caccgggtga	tgtggcacag	ctgctaateg	gaatacattt	240
ccatttctgc	ggggattgag	catgtcttcg	gaaccctctg	caatagcttt	agaaacaaac	300
gttcctttta	tcaggtgaga	aaactaccct	atggcatgcc	tccggatatg	tagttcttcc	360
tangctacaa	aatatcagag	gttaacttca	ggcaaaatga	tnaaactagc	agtagtattt	420
cctattacta	tctgcagntt	gcttcaaaat	ttcaaaaagg	tttcngaaaa	atcactaaat	480
acgaagggca	catttcattc	atattattcca	aggaatctat	ttggtgccag	acattgcatg	540
gaattgtatg	gattttttaa	atgaaatggg	ggctctctct	taagcagacc	atggcaagga	600
aacttgaaaa	ctccgacgca	tccangggac	gaagactnac	atttacatng	agatactact	660
cgggattcac	aanacacgac	gtntccatga	cgtctggtea	acacttgcac	ttttacctca	720
tgggattcng	gtcctctttc	atttaaaagg	cgnnggc			756

<210> 2928

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(712)

<223> n = A,T,C or G

<400> 2928

gnnggnnnnn	nntttttana	tcagctcttg	ttctttttgc	aggatccctc	gattcgaatt	60
cggcacgaga	ttgaactctg	aactttggaa	acctgaatcc	ttcaggaaaag	agtttggtga	120
gcaggaagta	gacctagtta	attgtaggac	caatgaaatc	atcacaggag	ccacagtagg	180
agactttctg	gatggatttg	aagatgttcc	aaatcgtttg	aaaaatgaaa	aagaaccaat	240
ggtgttgaaa	cttaaggact	ggccaccagg	agaagatttt	agagatatga	tgctttccag	300
gtttgatgat	ctgatggcca	acattccact	gcccagtagc	acaaggcgag	atggcaaact	360
gaatttggcc	tctaggtctg	caaactactt	tggtcggcca	gatctgggcc	ccaagatgta	420
taatgcttat	ggattaatca	ctcctgaaga	tcggaaatat	ggaacaacaa	atcttcactt	480
agatgtatct	gatgcancta	atgtcatggt	ctatgtggga	attnccaaag	gacantgtga	540
gcaagaagaa	gaaagtcctt	aagaccattc	aagatggaga	ttctgacgaa	ctcacataaa	600
gcgattattg	aaggaaagag	aaccnagcc	tgggcacata	tttctgcaag	gcacgagaaa	660
tagggatttt	taaaagnnta	gaaacagnca	aaaaccacna	ccatctatnt	ga	712

<210> 2929

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 2929

ngnanaacag	nnttttnagat	acagctcttg	ttctttttgc	aggatccctc	gattcgaatt	60
cggcacgagg	ccaattccag	gcctctctcc	acgcagtgtg	ccaccaacag	acttctctca	120
actgattgat	tgtccagagt	ttgtaccagg	ccaagccttg	tgctcacata	cagagtctgc	180
cccaaattct	ccaagaattg	gaagcccatt	gagcccaaag	aaaaacagtg	aaacaagtat	240
tcttcaagca	atgtctagag	gtttgtctac	cagtttgcc	gacttggtg	cagaaccttg	300
gatagaagtt	aaaaaaagac	atcagccagc	cccagtgaag	ttgaggggat	cagtgtctgt	360
ccctgaaggg	tcattaaatc	agctatgttc	ttcagaagaa	ccagaacaag	aagaacttga	420
ttttttggtt	gatgaagaga	ttgaacaaat	aggacgaaaa	aacacattta	ctgattgggtc	480
tgataatgat	tcagattatg	aaattgatga	ccaagactta	aacaagattt	tgattgtaac	540
tcagacacca	ccttatgtga	aaaaacatcg	tggaggagat	cgaacaggca	cccacatgtc	600
tcggggcaaaa	atcacatctt	gaacttgcta	aagttatcaa	tgatggctta	tattattatg	660
aacaggatct	atgggtngga	agaagattga	aaccaaaacc	acnngccnta	aaaggggcaa	720
ttnccttnga	aacgcctttt	ctcgntatga	aa			752

<210> 2930

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 2930

gagngnnntn	ntttcnaatn	acagctactt	gttctttttg	caggatccca	tcgattcgtt	60
atagctgtgt	cggctctagca	ttttctttga	agcatatgga	acatgttctg	ctactcgaga	120
taatgaacat	ttccttctgc	ctcaaggtag	aatcagttta	tgatcctggg	agagcaagaa	180
gcaaggagcc	agcaagtctg	gacacattcc	anaggccacg	aggggtttta	tgtcctgagt	240
cctggattcc	atccaagcca	tgagggggtt	tatgccctag	gcttaggttg	tagtgcggcg	300
gggcagcctt	ccacccttaa	gcacagaacc	tggtgttcca	taggccacaa	gaagttttaa	360
actctggacc	caggacatgt	tccaaggctc	ttttcatatt	atgtcagact	agcaagtctt	420
gcctcagctt	tnctcccaac	aattggactg	atgggttgct	ccactgggca	caagcatcat	480
gggttcttaa	aacaaggccc	tgaacaagca	ccaaatatgt	tcctgtcacc	acactncact	540
agcccttcaa	ctataaacat	gcataggagt	cacctggggg	ccttgctaaa	taaaatgcaa	600
cttctgattc	aataagtctt	aaacaggacc	agaagattct	gcgtctcttg	gtgagttccc	660
nagtgangca	gacaatgccc	agttcacaaa	ctcacatttt	gagatacagn	acctgggcca	720
tttnggttcc	caatgtgctt	gataaccctg	g			751

<210> 2931

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 2931

agntgattcc	nantgaaagc	ccttgtcttt	ntgcaggatc	ccatcgattc	gaattcggca	60
cgagatggaa	tgtgcgttcc	acccctgtt	cagtctcacc	agtggggcct	gccggctgga	120
ttaccgcaga	cccagaaaca	ggagcttcta	cctggccctc	tacaagcaga	tgagcttctt	180
ggagaagcga	ggctgcccgc	gcacggcgct	ggagtactgc	aagctcatcc	tgagtctoga	240
gccggatgag	gacccctctt	gcatgctgct	gctcatcgac	cacctggcct	tgccggcccg	300
gaactacgag	tacctgatcc	gcctcttcca	ggagtgggag	gctcatcgga	acctgtccca	360
gctcccta	tttgccttct	ctgttccact	ggcgatttct	ctgctgagcc	agcagacaga	420
cctccctgag	tgtgagcaga	gctctgccag	gcagaaggcc	tctctcctga	tacagcaggc	480
gctccaccatg	ttccctggag	tcctcctgcc	cctgctcgag	tcttgcagtg	tgccggccga	540
cgccagcggt	tcagtcacc	gcttcttttg	acccaatgct	gaaataagcc	agcccccctgc	600
cctgagccag	ctgggtgaacc	tgtaccttgg	gangtcacac	tttctctggg	aagaacccgn	660
caccatgaac	tggttggaag	agaacgtnc	cganggtctg	caagcantgg	gatcccgga	720
cccagccgtg	ggaacctgtg	aagaacccgc	ggaag			755

<210> 2932

<211> 849

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (849)

<223> n = A,T,C or G

<400> 2932

ananatcagc	tcttgttctt	tttgcaggat	cccatcgatt	cgaattcggc	acgagatgac	60
tgagtgtata	ccctagttaa	aatgatcagg	ggagacttaa	ctgaaagggg	taattgagct	120
agatttgaag	gatgaggagt	agcagactag	tcaaagaaag	ggagagaaga	acatacctaa	180
acatctgata	accagtgact	gagaaagtta	tcaggatcaa	gtggaaagag	aaaggactag	240
cagagttaca	ggttagagaa	acaggtaaag	gctactatgg	acggcataat	agttgcatcc	300

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catgttttgt ctcttaagaa cagttgcaaa ctattgaagg ttttaaagct gtgtgttggg 360
ccgggtgtgg tggcttgtgc ctgtaatccc agcactttgg gaggccgagg cgggtggatc 420
acgangtcag gagtttgaga ccagcctggc caatatgggtg aaatnccgtc tctattaaaa 480
aattaaaaag tagcccaggc cgttgtggca tgccccctgt aagtcttcaa ctatttttga 540
aaangcttga ggcnaaaaag aaattcgctt tggaaacccc ggggaaagtg gaaagggttg 600
ccaantggaa gcccnnaaaa atcggnngcc acnttgcaat ttcccaaacc ctgggggccg 660
aaccnnaanc cnaggaaact ttnggtnttt aaccaaaaaa nnaaaaaaaa aaaggccctt 720
tttttngaaa acttttttan tnggaaggtn cnntanttta nccgttagna ttcccccgga 780
ccattggatt tanggnattc ccantttgga ttgaaaattt ttngggaacc caaaancccc 840
cccaaacnt 849

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<210> 2933

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (855)

<223> n = A,T,C or G

<400> 2933

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nngtgcagcc nnttttttat ncanacaggc tacttgttct ttttgcagga tcccatcgat 60
tcgctcaagt aggttttttat ttatttatta ctttatttta ttttatttta ttattatttt 120
tttttgagac agagtctcac tctgtcaccg aggtctggagt gcagtggccg gatctcggtc 180
cactacaagc tctgectcct ggggttcacgc cattctcctg cctcaacctc ccgagtagct 240
gggactacag gcgcctgccg ctgtgcccgg ctaatttttt gtatttttag tagagacagg 300
gtttcaccat attagccagg atggtctcga tctcctgacc ttgttatctg cccgcctcga 360
cctcccaaag tgctgggatt acaggcgtga gtcaccatgc ccagcctcaa gtaggttttt 420
aatgaatttc ttatactttt aaaatacaac attatggcan taaaagacta ttccactnct 480
tttctaactc ggagattgna ttgatttttc tagtggaat tttctggctc atacctncag 540
taccaatggg tgaaataggt ggggtttaaag taggaaaatt ctctgtneng gttttccaaa 600
actttgcagg aatnaaaggc ccccttangt ccatttttnc cccattttaa ggcnnanttt 660
aagccttttt nngggnggtn ggnaagtttt ttccaattc tttgggcntt caacttgggn 720
cannccctta caacccttct tttaaaagcc tcnnaaagt ggaatccctt ncccaanctt 780
tttaaactgg gccctggaaa atnaantttt gggggaacaa attaagggcc attggccacc 840
caaaccatg gccc 855

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<210> 2934

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (727)

<223> n = A,T,C or G

<400> 2934

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nagttangnn gntttntann tctggttctt tntgcangat cctcagatc gaattcgga 60
cgangcagat taacactnct aaagngtcaa gngctnnggt ntttnggctt agntgtgctg 120
ccntcnggga annatntnt ggggnaatgg tgnatcac ctcnattana aatnagcaca 180
tgatggntgg ncaccgtggc tcacgcctgt aatccngca ctttgggang ctnaggngnn 240
nggatcacct gangtcnga ntttganacc agcctgncca acatgnngan acctcatecc 300
ttctnnaat atanagaant agctngncat ggtggcgac gcctgncntt nnagctactn 360
aagacgctgn ngcaggagaa nctnttgaac ccagtaggtg aaggttgcan tgagctnnca 420

```

tcncaccatt	gcactccagc	ctnggccncn	agancgaanc	tctgtcttat	acatgcaaaa	480
annaggaggt	tggattactt	gaggtcatgg	atnnanacta	ntctgaccan	catngtgaaa	540
cnctatcnct	ncttaaaatn	ttaaattagc	cnttcattgt	gacctcacgc	ntgnantccc	600
atcttctggg	gaggtgang	caggagaatt	tctagacctg	ggangnngag	ttcagcngca	660
nnacggccct	ggatccacct	gggcacaaaa	cgaactntnc	tcaaaaagaa	attnaccctt	720
aaacttn						727

<210> 2935

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 2935

ngnnggangc	tnctttcagc	tcttgttctt	tnctgcaggat	cccatcgatt	cgtctgggac	60
caataatggt	ttaaaaaatat	attcatttga	gattcagaaa	acttgccacat	catttgctac	120
tcctatcatc	ttaacagtga	agaaaactga	ggcctagaga	cattaagggg	gttgcaggtc	180
cagagacatg	tctcaagaaa	gcattgctgt	taaaatgtgc	agttcgtggg	ttttcagtc	240
atctcttaag	aaaccaagtc	aatcttcccc	tcaggaaaaa	gaaaagaagt	agcaataagc	300
aatttggtta	tatcactact	tcttatcaag	gtaaaaaatg	cctcataatc	aggcataccc	360
atgggccttg	tttcacaaag	gcactaagat	gaggcaatgt	aggtcccaaa	aaacaaaaag	420
acagtttttt	ggagttgctg	aggttgacaa	ccctagtttt	atactttggt	aataccagt	480
accttggaat	tacaagcttg	gggttaagaa	ctcaagggtt	cattaagact	ccctggaaca	540
ttctggaaaa	ccagcttttag	agtcttcatt	gaactcaa	ctcagcacca	cagttaaatg	600
agtgaagcaa	aaagaacata	agtttaaa	gaatttaacca	nggaaccaga	tgtttctctt	660
cacaccacac	tgntttaaca	tccagtattc	gtngaccttt	ttctttcccc	caccatcctn	720
tggatttacc	ttaggctttc	caaaggcctt	aatgaaant			759

<210> 2936

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (843)

<223> n = A,T,C or G

<400> 2936

tgnnnnnaatc	nctaatagcna	ggctacttgt	tctttntgca	ggatcccatc	gattgggaat	60
tcggcacgag	gctatttgtg	ttttgttgca	ctgttttttt	tgtttgtttg	tttgtttatt	120
tggttggtct	tttgagagg	gaaatggggg	tgaaatattt	ttttattggt	gaatcatttt	180
gtgaatgtcc	ccctcaaaaa	aagctaattg	aatatttggc	ataaagggca	tttggtggtt	240
ttatttttgt	ttgaggggga	ttgtcagaaa	atcccttttc	tctcttacgt	ctaactgact	300
aggaacaat	tggtgatatg	catagcattg	gaatacttgt	cattatatac	tcttacaaat	360
aacacatgaa	gcaagaatga	ccaatattct	gataattggc	actggatcac	aaaatgtgat	420
aaaactttta	atgtataaaa	ctttatcaaa	taaantttat	tttccccctt	aaaatgtatt	480
nctttagagg	cattactttt	ttaaaantat	tggtcaattc	ctgacatacg	atgtgaaggt	540
tnacaagttg	tatttccnag	tattccaana	tnaanttctt	tgatttttca	attaaggcaa	600
aaacgtcaaa	atcccaaaa	ngntnnccna	taaaccaaaa	nttgcnnntn	tttaaaaang	660
gnttangect	tttaaatann	gaatcantta	attcntntat	nnngcnnngn	nnttgnaaaa	720
attanccct	ntnnntannn	tnccctttnt	nttaaatttt	nngggtngnn	ctggaaaaan	780

atnngncccc ttgntanngg gcctccctng gcnnttanag aaaaacccaa ctnntngggg 840
gcg 843

<210> 2937
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(766)
<223> n = A,T,C or G

<400> 2937
aggtnnntaa tnttctatac agctacttgc tntttccgcn ngatcccatc gatnggaatt 60
cnnacagag atgacctcca atgtggccag cgacgagatc gcacagcacg cgctgcagct 120
gaggcagggg gctttggaga tgagccgtaa cegtattgcc gaaaacctgg gggatgtcca 180
nataagtgc aagatcacca tctcaanaa cttcaangan aatgtgatc accctatcct 240
gaaagctnac ttccngangg atgagtntct gggacggatc aatgagatcg tctacttcct 300
ccccttctgc cactcggagc tcatccaagt atcnnacaag gaacttgaan tncctgggnc 360
tnanaggcnc ncnnnnggnc aatnnnnatc nnctcngtgn cntnataaac actgattctc 420
ngtntgataa ntacgatana cnatatcatt ctgtntatcn caaagangtg ncaccanccc 480
tnttctcact nttgantanc tntggcngtc tnttanggtg atanagtgc ccctannaaa 540
ntcccattnn tacttgaagc atacnttttg gcnnaaaaac naggttcttg ntatcaatag 600
ctcctaanaag tcnaaattnt ncatttttaa cnnnctgtta naaatttttt tcaagcnnnt 660
tantgannat tcctaattga aaaccttttn aaaaacnaaa cctttnaagg taaaaannat 720
tnttnnnntc ttttcaaaac nttntttnaa cccaagnann cnnct 766

<210> 2938
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(749)
<223> n = A,T,C or G

<400> 2938
ggngtgmntt tnagatacag ctacttggtc tttttgcagg atcccatcga ttcgaattcg 60
gcacgagcaa aggccgtcac accaaggtca ggccaggagc ctaggctaaa ggaaacttca 120
ccaccgggga catcagctgc tgtggccaga gaagagaaca tgaaagccca catcccgtgc 180
ctgcagccac ccactttgct gtcacttccc agctgaagtg aggagggact gttcagaaac 240
atcgaactga gcaaggtctc tgtctacctc atggaaaacc tgatctggaa atgacacttg 300
gaataaaaata agattactct tccattaaaa ggaaatccac ccaaaagaga gaaatagtgg 360
tatatttcag ttttacataa taatttctag agataagata acccattgca ttagttgatt 420
cagttaccaaa ttttagctaag tgtgaggag aacatgggcc ttgacttttt ttctttcaga 480
aaatcaagtt tgccatattg aaaaatgctg tcagctctgc caccggttct gtcattaatc 540
atgggaaaga gctgatcang ttttgattgt ttcttcagan gcacttttgt catgtaatgc 600
atatatttca attaaaatat gcaggagaat gcaaagntaa taattnaggg aaatnatna 660
agtgttgcca ttggctatta attactaaaa aaaaanaaaa aaaaactcga gcctntaaaa 720
ctatagtgcg tcgtattacg taanatccc 749

<210> 2939
<211> 770
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (770)

<223> n = A,T,C or G

<400> 2939

cttattncat nnagctcttg ttctttttgc aggatcccat cgattcgaat tcggcacgag	60
gttggtattgg aaagcagtag tgtggacgaa ttgcgagaga agcttagtga aatcagtggg	120
attccttttg atgatattga atttgctaag ggtagaggaa catttccctg tgatatttct	180
gtccttgata ttcatcaaga tttagactgg aatcctaaag tttctaccct gaatgtctgg	240
cctctttata tctgtgatga tgggtgcggtc atatttatag ggataaaaca gaagaattaa	300
tggaattgac agatgagcaa agaaatgaac tgatgaaaaa agaaagcagt cgactccaga	360
agactggaca tcgtgtaaca tactcacctc gtaaagagaa agcactaaaa atatatctgg	420
atggagcacc aaataaagat ctgactcaag actgactctg atagtgtagc attttccctg	480
ggggagtgtt gggtttaatt agatggttca ctaccactgg gtatggccat ttgggccgga	540
catggttggg gtaaccacgt gacaccacac tgattggact gccctacacc aatcagaact	600
cagtgcctaa tggggccactg ttttgactcg gaatcatgtt gtgcaactata gtcaaagtga	660
ctgtaaaagtg gaaanggatg tgccaaaaaa ttaaaaaaaa cnccaaaaaa agcttccaaa	720
aaaaaacctt taaactatag tgagtcgtnt acntagatcc aacatgataa	770

<210> 2940

<211> 904

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (904)

<223> n = A,T,C or G

<400> 2940

ctacttggtc tttttgcagg atcccatcga ttgngaattc ggcacgagag gtaggcacct	60
ggcctgtcag ttgcctgaat ttgaaagtgt tccctgtat gttttggncg ataaaaataa	120
aaatgtaatt tatatatctg aatcaggtct gtatgttatg atcaattgct cagcaatttc	180
gggcagttgg tttgatgggt atgtagtaat gtancctgag agcagaaata cagagcctct	240
gggctagana aagtataaat ggcacccctag gctatgtagg gttcagctct tcagaaggaa	300
ctttcatttt tcattgtgac acatcgacta catggtgtan aagaacatag tttcannaat	360
tcttcnggtt agaaacatac gtttctcaa aatatttcac tttcangcat tgggtanaaa	420
aagtncccat gtnattngac tangcnnatn tnccttaaaa aatangccan ttttctnnaa	480
cccanngata natancccca cgtttnttta actattttca ngtcatttta acantcncct	540
tncattttct nnnnccnnn ggnttaantt ctncanccta ttttncnnn canaaacnnt	600
ncnttctna cctnaatcat attttccac tnnccctnaa ctannnnana nancatntnn	660
attcctcat ncnannnnnn ttggcatann ntttanacta taggcatnaa ctenttcata	720
tnnatatnnt nctncaatnt acatnatntt ngncatanatn ttcacnntc tattctncnn	780
nnatcatnnn taannnnntt ccnacnttan nnnntatcnn nnntanttgt tcntatanen	840
cntntatcnn tcnatantnn nmatntntan ntatcttanc ntatccanaa tncananaca	900
cgcc	904

<210> 2941

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(771)
 <223> n = A,T,C or G

<400> 2941

tncttcaann nntggctctcg tctttcccag gatccctcga ttcgaattcg gcacgaggca	60
gaagccaatt ccttgtgaaa agctgactgc catcagtaat ctcaatagaa aagagatatg	120
ttttctggag tcataaagga attcaattcc taggggtttt gtttttgttt ttgagatgta	180
atattgctct gttgcccgag ctggagtgca gtggtatgat ctacacctac tgcaaccacc	240
acttcctggg ttcaagcgat tctcctgcct cagcctcccc agtagctggg attacaggca	300
ccagccacca tgccctggcta atttttttgt atttttagtg gagatgtggg ttctccatgt	360
tggccaggct ggtctcaaaa tcctgacctc aagtcactcg ctggccttga cctcacaaag	420
tgctggccca gccgagattt gttttctaag atactttgtg tcatgaacag ttcagtttag	480
tgtcatgaac tattcacttc atatttttct tgnattaact ggttaaattt ttaaaatc	540
ttgtagtaac tctttaaaat gtatgtaaag taaatggctg cagaaagggt ttttagagaa	600
tccctgcttc catcagtaat acagcaatat tcccccaaa aaaaaaatn aaaaaaaaaa	660
cttcgagccc tntanaacta tagnggagtc cgtnttacgt aaaatnccag gacntgataa	720
ggantccatt ggatganttt gggacaancc ncacttgnaa tgcantggaa a	771

<210> 2942
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(755)
 <223> n = A,T,C or G

<400> 2942

ctnttaantn nctcnttngn ctacccgctt tttttgcagg atccctcgat tcgaattcgg	60
cacgaggtag tttgagtgtt tgggggttca nnnacacat gcaattttgc ttaacaaaag	120
tattttataa tacagtttca tacagaatta ccttaaaagg gagtcttatg ttttcaacta	180
cagatagttg taagggatca tacagaagat attgatgata gttgaaatat tcttagaagg	240
ggtgtgtatg tctagctgtg tctaccatgc gctgttatcc tggacagca gtataaaata	300
cctgtgattt ttctttacat tagggataat gcataaggaa ttaatcttca tatatattat	360
catccctaatt gtagcagggg gaagtattta attgcccatg atatgtattt tacttatact	420
atgccagaga ggaaactata aagtaattac acatgtaatc ttgggttttt cacatatgta	480
ggtattcatt ttgagttagt tgaagaagaa aaaaaatatt taaatgaatt gaattcctga	540
tgggtagtag tcaataagta tttaaaagcc agtattctaa aaataataaa gggtagggtc	600
atttttgagt ttgggtttct tttgctattg gtaattattca aaattaaagt gttcattggg	660
acctggtggc cttaatgcat ttattgnaga cagcattgag atgatgaaca aggggttagc	720
aatagccaac tctataataa ttttgcctaa atacc	755

<210> 2943
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = A,T,C or G

<400> 2943

ttnanntnat nttgctattg cntnttgcag gatcccatcg attcgaattc ggcacgaggc	60
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ctcatccatg	gatcagggag	gcacgccagg	gagtaaccca	gttctgccc	gcaagctaca	120
cccactaac	tctgggccct	gtctgtgcta	tttaacattt	cattnanaca	ggagctcctg	180
ggaagaagct	tggctcagta	tncttggnag	atcacccctc	aaagnctccc	tcnggtatat	240
tctaagtgan	gacggatccc	atatatacct	cacttaggct	ttactctgct	ctgcaagcac	300
aggcaagacc	agctacatct	ttgnaagcca	cccctgggtc	ttagtagggc	aagaacctca	360
gaaactggna	nggcactaag	agctgtattt	tagaaactgt	gttgaaatta	catttattca	420
gctttgatct	ggnggggcc	tgtacctggc	actgctacaa	gtgtttcaag	aagggtgcga	480
ngagatattt	ttacaggcaa	aatagantat	atttctctn	cagnttcatt	tgactgcttg	540
tttaaaaaaa	aatatgaaa	atngtacaga	gagtncccat	atccctcat	ctagtctctc	600
tntattaaca	tctgccatta	gtgnggtgta	tttgtcacia	ttaataaacc	catagtggtn	660
aaattattgn	tggcaaaaat	ccatacttca	ttcaaatttc	ctctggtnan	tcctaattggc	720
ctttntgct	attctangga	tcttatcc				748

<210> 2944

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (784)

<223> n = A,T,C or G

<400> 2944

gtnnnnmtng	tgtaatcgct	tggctgcagg	atccctcgat	ggcgaattcg	gcacgaggtg	60
ttgctcaang	agcagaccg	actccntaag	gtcatcattg	aatgggcatn	atangtttga	120
anactgtcca	ananantang	ngtcaatata	tcaacnnctt	tanntgcttg	atattgmnat	180
tgaanaacac	angnctcngn	ctagtctgcc	tganatgatg	tttaagatac	tccggaagga	240
gacanantgt	tntgantgcy	gattaganac	cacngaagnn	acactnaagg	ancancatct	300
ccacctngna	actgnattnn	cngaccanaa	aagngaactg	gaccaaagtc	tctcaaaggt	360
gctggcagct	taanagcgtg	ttangactct	gcacgaagan	gacaggtntt	ntgagagcct	420
ggmnannaca	ctctcccaaa	ctaaactgna	nctttcaaca	nangggancc	ccannttggg	480
ggagaaatca	gggtgancgt	tggcccttcc	acaagangc	aaattctntg	agggcagac	540
ttnanccttt	ttgcngaacc	agtncttgac	tgactaaatg	aaagcttttt	aagccaggtg	600
gccancctt	aangaagcna	cttttctaate	cancggaacc	ngcttgagan	aaaaccnttt	660
ttgacccaaa	accnggagaa	ccagctggcc	taccaaagg	aaatggggcc	ccatttgaac	720
ttgggggtnc	ccangaacaa	nccttgnccg	ggncaaagcc	cnttgttgga	aaggacctca	780
acct						784

<210> 2945

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 2945

ttcaatgttn	ntnaaactct	ttggaancag	ntcccatcg	attcgaattc	ggcacgagaa	60
cagatagaga	cttggctcta	aaaaaaaaag	aaaagatttt	gaaacaaaaa	attagctggg	120
cctagtggty	tgtgcctgtg	ctcccagcta	cttgggaggc	tgaggtggga	ggatggcttg	180
agcctggag	gttgaggctg	cagtgaacca	tgattgtgcc	actgcgctcc	agcctgggtg	240
agagagcaag	actctgtctt	taataataat	aataataata	ataaagtggg	caggaaggga	300
ccccagggga	ggagcataaa	cctctccagt	ggctgtgatt	tgtcagtaag	gacatggggc	360

atctggcgga	caaatacccc	tacagcgata	gcattttccg	ggcattttgtg	ggctctcaagg	420
cgccctgctt	gcctctcagt	gatgctttgt	ccagcccgcga	ggcattttat	ccagcagaca	480
agcagaagca	gcagttttgt	cattcgagcc	ggcttccctg	ccatggtaca	ttacgtgagc	540
aggcggtg	ctgtgctgtg	ctctgtggag	atcacacgtg	agattcgaca	gcactcgctt	600
ctgcangctt	ctcttttctg	ggttctttta	agatgaagag	agaaccccg	anaggcgagg	660
cttgcgga	ggcncctgga	aaaagnaatg	gaatnatggn	ctttaacaat	gggtgccccg	720
gaactggaat	ggttctgant	ggcttgccag	aactcttgag	tcact		765

<210> 2946

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 2946

ancgtgnctt	atnnacnctt	tggaagacct	ccatcgattc	gaattcggca	cgaggctatt	60
ccgaatagcc	ccaggtgatc	cnttttacac	canttttagc	aatggaagtc	agcacctctg	120
ctgggcccaag	gccatgcttc	cccagcctgt	ggctgcgcct	ctgctgtctc	tccgggtctc	180
acctgggcgg	gaggctcctc	tgagggccag	gacctgcctt	gtgagggtgc	ccttgtggga	240
gaggcgcttg	cccaaacctg	ctgttccccg	ggggctcctt	gggtggcccc	aggactggag	300
ctctctgccc	agagtgcctc	tccccagagg	ttaggactcc	catgacctg	tcccctgccc	360
actgtgacct	gggggttgca	tggtttcctt	ctttcctagt	tgtggtgaaa	tcactacttg	420
tgtgtttcgt	tnttctgtt	ctctgctgat	ttaccgatgt	atttaatgta	aagtaaaaaa	480
aggaaaaaaa	gaaaaangnn	naaaanannn	cnnnnnaann	nanaaaaaaa	aaaaaactcg	540
agcctntana	aactatagng	agtcgaatta	cgtaaatcca	gacatgataa	gatncattga	600
tgantttgga	caaaccncaa	ctagaatgca	nngaaaaaaa	nctttatttg	ggaaaatttg	660
ggangcctat	ggcttatttg	gaaccattta	agctgcanaa	aacaagttta	ccacaacaat	720
tggcattcat	ttnaggttca	agttcanggg	g			751

<210> 2947

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 2947

ntnctttntg	nnntnaaacn	ctttggtaag	cancatccca	tcgattcgaa	ttccggcacc	60
gaagggcctt	ccagatcgty	ctgtncacc	tacctntncc	gantttngmc	ttncagatcg	120
tgtgttccca	cctacctgna	catntgccac	agttggccct	gggccaaccc	cacgaagggc	180
ctgggcctaa	ccccttgccc	tgccccactt	ncagagggac	cctggggccgt	gtgccagctc	240
ccagacacta	cctgggtagc	tcangggagg	aggtgggggt	ccaggagggg	gatccctctc	300
ccttggggct	gcccctgtgg	agggggatcc	cgccctctaga	actatagtga	gtcgtattac	360
gtagatccag	acatgataag	atacattgat	gagtttgac	aaaccacaac	tagaatgcac	420
tgaaaaaaat	gctttatttg	tgaaatttgt	gatgctattg	ctntatttgt	aaccattata	480
agctgcaata	aacaagttaa	caacaacaat	tgcattcatt	ttatgtttca	ngttcacggg	540
gaggtgtggg	aggtttttta	attcgnggcc	gcngcgccna	tgcatggggc	ccggtaacca	600
acttttggtc	ccttttagtga	nggttaattg	cncgctggcg	tantcatggn	catagctggt	660
nctgtgngaa	aanggtatnc	gntcacaatn	ncacacaaca	tacgaccggg	gagcataaat	720

gtaaacctgg ggtgctnatg agtgactacc

750

<210> 2948

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 2948

ctatagacag ctacntgctt tttgcaggat cccatcgatt. cgaattcggc acgagagatt	60
tcagtaaagc tcgttcgttt tgtttggttt tctttttacc tagttgctat agtgtctaca	120
gtctatactc aataacctata aaatgcagta agcatgtgtt acagaaagag gttctggtgg	180
gagagaaagg tgcgtgtgag acaggagaat tgtcttaagc atataaaaca tgtatgattc	240
cagaatttta gtatgttttg tataaaacta tttttcatta cggagactag aagtgaacag	300
agaattacac aagtgtgact atacaaattg naaaacagat actataatat ttccttttat	360
tttagtggtta tttagcttta ttacagattt ctatttttgt caaaacttca tggttccttt	420
caagatcttt tttgccaaaa cattttgata ctatagcatt gncatttgaa agtaagtgtt	480
ctanactata aaaccaatga acttctacat gagccctaca gacaggcatg tgtagaaggc	540
aatttatcaa acctattgca ctggcatgaa aagtgtgtat aataattttg ctagccccaa	600
agcaagctag ttttctttgc ttgcttcctt tcttttcntt ttttccttgc tnttnaagnn	660
ttgaancttt tttaaacatg gttgaggaat tctctaggnn ggattccttt tgggcgtnat	720
ntaaaccccc ttcttttttg gtttctggaa naccgg	757

<210> 2949

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 2949

ncgctnctaa cnnntggcgc tatgcttggc gctnganccc tnngttnngna ntcggcnega	60
gggtnaagct tcattcantg tccattcacc cantactggt ttgattctan ggcctangaa	120
aataggactg agcaaagccc ttgtccagat ggaacttatg tnttanangg gaaaacacac	180
catatncagg tnnacagngt acnatcacga aangntaaat gtctatgaag aacattgtgc	240
agacggcgat nngntanat agggnaagggt tnnnnangac agcatagctt gatgtacnag	300
cnagananac anatagngaa annctntcc atactaaggg aatgggaaat aangctnnnt	360
tttgcttgn tgaccttcaa acatgagaat tgctanagct ctgtgccaag gntnaagagt	420
ggaanacaat ntaagcttca gctacatcac ttacggccta taggccacac tgaactgtgc	480
nngnaaaact cannntgagc cangctcncn ncttaacata tttaaagggt ctntnctgtg	540
cgcngcaaga agacnacagg acaggtncag ctntgtnncc acnngannnt gatnttgact	600
tcannngtac atattntggg ctnantntnn gantnaaaat gcgctatcnc ccataagtnt	660
ggantcntga ncatantgtn gggcntctgn cacaatgnnt attatntcaa	710

<210> 2950

<211> 749

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 2950
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 aattcggcac gaggttaaaa gaataaaaaa ggaataattg aagccttcga gacatatggg 120
 atactataaa gccaccacat atttgaatca tttgggtccc agaagacaga gaacaaaagg 180
 attggaaaac tcatctattt ttttgttatt aaataataga tgaaaacttc ccaaatctat 240
 caaatgattt agatatccag aaacaggagg ctccaagatc cgcaaacata tacaatgcaa 300
 gaaagtcttc tccttggcac attatagtca aactatctaa agtcaaagac agaattctga 360
 aaaaggcaag agaaaagtgc ctagtcagtt gtaaagaaaa ccttatcagg ctaatagtga 420
 atttctcagc agaaacctta caagccagga aagaatgata cattcaaagt actgaatgaa 480
 aaaaatgcta tccaagggat actatatcta gcaaaaatat tctttgtaac tgaaggagaa 540
 ataaagtctt ccccgaaat tgcttaaggg agtcctaate ctgggagcaa aatgactaca 600
 tttaccatca tgaaaactta tgaatgtgta aaacctgcta atnaagcaat ccacanagga 660
 ataagggaaa gtaattaaat ggtcctgtac nggaaaacca ccaaaccaaa attggaanna 720
 nancttngga aaaaaactcg gcctttaaa 749

<210> 2951
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = A,T,C or G

<400> 2951
 gnnnggnnnn nnnnnntttt atanatacag gctacttggt ctttttgag ggatcccatc 60
 gattcgccct gccctgggtc tggcggggg aagctctgtc caagggtccac acacctccag 120
 gtttacgcca acatccttgt gccctcccca ccttctcttc caacgcatta ggtgcattgt 180
 ttaattgaaa tccaaccaac aattgtgtgt caaggctgggt ttgggtgaggt ggctggggaa 240
 attaattttg ggccaggatg ggggtgggtt gcagtgaggg tagggaaaat gtcaggagta 300
 ggaaggttcg ggggttaagg gaaggggaagg aagaccagaa ctggccatcc tcttttataa 360
 tccattagta gcaccatggc tcatttgaaa tgaaaatatt acacttattc cccacccaac 420
 cgnagtgaac tttctaggtt attgttttga aaacaatttt tgtatctgtg aaagtctttg 480
 cttntctttt ccaccttcta gaaaagtctg ctaccagttt ccttactgaa tacagccata 540
 ctcagcccct ctgcaccca gcccgtcagg gtcanggtca nggtcangct tcctnaagac 600
 tagcaccgca ttgtctgcc tcttttgctt aggttttttc tctnaacca ngggacattg 660
 ccttgactt tctctacaaa tgcccttaga tgttagaaca caaatgatcc tgnttgtgga 720
 actctggctt tttgcctatt tntttttt 748

<210> 2952
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 2952

gnmntggnnn	nnnnnnntttt	atanatacag	gctacttggt	ctttttgcag	gatcccatcg	60
attcggccaa	gctcagtttt	tcgccttgaa	tatgaagatg	ctagaaagag	ctctgcattt	120
aagcagagcc	ttgtgcaatt	cccggaccaa	atgctgaaac	tgcaagagtg	ccctttaaaa	180
gaccttctta	ggcatgtgac	ttgttctcta	ccagaacctt	tgggcaacat	gaaggaagtc	240
aaaggcattt	actggttgcc	tgttgcgtgc	tgacacagac	ctgacctca	accagcgtgt	300
ttgtcctgc	ttcagtcac	tttatatgct	ttggctcctgt	cagataatct	eggctcaatg	360
agcatttttc	atgctctacc	tctctctggt	ctacaggaga	ttcagattgg	ctttgggtgga	420
cagagtgttc	gattcctgag	ctctgcagag	ggtcttctgc	tcactgtatt	cagttacaac	480
aaatacctct	ctcaacagct	gtgtcgtgac	ctcctgtgtg	tcctgatgcc	anacctgatg	540
cccgtgcct	gcgctaata	tccttgcctc	cacaagatct	ggttcacttt	ctcttgattg	600
gaaaacagaa	atccctgatt	tantttttgc	caaagtggag	ttcangtgct	atccaaattc	660
canactaccc	ttgggtgaca	tgattacttt	nttcattggaa	atatggaagt	caatgtccct	720
tccttgccaa	aagttcannt	actggtntn				749

<210> 2953

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(762)

<223> n = A,T,C or G

<400> 2953

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ggaacaggat	caacggccac	tccacccagt	ggcaaatcca	catgcagaaa	tctccaccaa	120
ggttccagcc	tccaaagtga	aagacgccgt	ggaacagcaa	ggggaggtga	agaagaataa	180
aagagaaaga	aaggaagaac	ggcagaagaa	aaggaaaaga	gaaaagaaag	aactaaagtt	240
agaaaaccac	caggaaaact	caaggaatca	gaagcctaag	aagcgcaaaa	aggacagga	300
ggctgacctt	gaggctggtg	gggaggaagt	ccctgaggcc	aatggctctg	cagggaagag	360
gagcaagaag	aagaagcagc	gcaaggacag	cgccagttag	gaagaggcac	gcgtgggcgc	420
anggaagagg	aagcggaggc	actcggaagt	tgaacacagat	tctaagaaga	aaaagatgaa	480
gctccagag	catcctgagg	gcggagaacc	agaagacgat	gaggctctgc	aaaaggtaaa	540
ttcaactgga	agggaactat	taaagcaatt	ctgaacacagg	ccccagacaa	tgaaactaac	600
atcaaaaagc	ttaaggaaaa	agggttttag	ctcagtaact	ccccagttag	cagattgagc	660
cattaccaga	ttcccgaag	anggaacttc	ctgggtccat	tnttttacca	nggaaaaatt	720
cngccaagga	acccttaacc	ntttaagttt	ntttaaangg	cn		762

<210> 2954

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 2954

ngnngggnnn	nnnnnttttna	atntcangct	acttggtctt	tttgcaggat	cccacgatt	60
ngaattcggc	acgagatcac	cttgagctc	cttgagttag	ttctgatcaa	gccattacac	120
tcttttcatg	tagacctgcc	tgtaagtgtg	gacatgcaca	ctcagctgac	cttactgttc	180
aaaagctgga	gaaaaagaaa	cagctttcat	acagtgcaca	ctgtctacgt	ctatgtaaaa	240
gaatttgaga	aacatggcag	tagccattgc	taattaatct	gggtatgtgt	aaatagttta	300
acttgatttt	tgactctggt	gtttggatct	attttaagat	cgatggagtt	aattgcttca	360

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tgacagttct tatgaaacat gcttttttat atccttgtgc caatgttttg tttacagatc 420
tttcaaaatg aattcactct gagaaataat gaaatgacaa ttgtgtggca catgttaggc 480
gtagataaaa ttgggagttc tcttcttttg taagattagc tttaaatcca caattaattt 540
cagttaggag agaataagca tccataccct atctctttta ccctgattac aactagatac 600
ccccggacag aagacaaagc aaccacccaa agacttctga aaaggtagat agtagccagg 660
cagactgggg aagaagaaat tnaaaaccct gaacaccaat tttggcantg aggtttacct 720
gggtttaata tatttctncc caaaacttgg ctcaanaanc g 761

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<210> 2955

<211> 854

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(854)

<223> n = A,T,C or G

<400> 2955

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ggtgnnggga aaacnnggctt ttatacatatc aggctacttg ttctttttgc aggnatccca 60
tcgattnggc ctgagagtct ctgatcaagc agattccacg aatcctcggc ccaggtttaa 120
ataaggcagg aaagtccgt tccctgtctc cacacaacga aaacatgggt gccaaagtgg 180
atgaggtgaa gtccacaatc aagttccaaa tgaagaagggt gagggtgtct ggcgggttgc 240
tatgggtgaa ggtgttgga ggtctaaat cttatccaag tctctaaata tgccagtaag 300
agcaccacc aggattgaaa cttttggagt aaccctgggtc ttggcccggg tccaagtacc 360
tgctcaccag gccactgggg gaggaaggac angccnatct gctatttggn caccaacctg 420
acttgatcct ctcttccctc tcccangngt tatgtcttgg ntgtaactga tggncacgcn 480
aagatgacag acnatnanc tgtgtttaac natnnanacn tggctggtaa cttcttgggn 540
ntcattgttt aantanaac nttggnnnnn aangttccng gnntttatnt tattnaantn 600
aaccctnatt gtccnatac ccnaannngn cnnnttttat tannnnngnn ccnttntnnn 660
attaaaatnn nntttttatc nnnattannnn nnnanntann nnnnnnaata nnnnctntng 720
naagnnatnn ttngaacnnn ttnnnnnnan ttnnnnnnnn taannnnnnn ntaatctcnn 780
nanatttgnn nntnngtann nncnttttgt nnnnacnttn nngnntnnnn annncnnngg 840
tannnnnnna tccc 854

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<210> 2956

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 2956

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tttnncngac nctnttnaac tccctgcagg atccctcgat tcgaattcgg cagcagcaca 60
agaaaatgaa attaaaaaat aaatcaagct ttcatatgct caactncatt ggaccactgc 120
aatcctgggt acatattgct ggctgaagaa acccattggn tatagtctct ctgtcactgg 180
agatatgtgt ggtgagaaag agaaatggcc acnttgcaat ancagtggga agcaaatgca 240
gaaagcacc agnaaagggt aagatctagg tgacagaggc catctactct tntggattca 300
tntggttctg gcacacagag aatggagctt ttgnnggcaat aatttctcta ctgatgtgag 360
caagnatact tctttctana attagcaaat tattgctaac tatttgaag ctaaaatnta 420
aaatnagngt ttaatgtaaa atttcaaaac agaagggata atncatggnt cctatacatc 480
ccataggtag taatgcattg agctaggctg tggntactcc ctgagtgtga tttgtgttca 540
cataagntct tanttggngt tgnactgnta ttattaaatn tcaagtntga cantaangcc 600

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acagcangac	tttagagctc	naagacattn	gtnacacaan	cttnntggca	acttttttca	660
aaacnttgna	cactttatng	ggnnnnaaac	ttncctnttt	tnnnaaacca	gatcnttggg	720
gcntcaanct	ntttgaancc	gnanntgcnn	t			751

<210> 2957

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (773)

<223> n = A,T,C or G

<400> 2957

ncgaaagncc	aangccggac	nggacgggaa	caccctccca	tcgatngcga	anncggcacg	60
aggaatcttc	cttaaagncc	agagcctccc	ttantntgga	nttttgcct	gcccaggcct	120
tctcgcgggg	agggaactcc	ttctgtctgc	cgctggnac	atccctgagg	gagaaggctc	180
gtgagctgag	cccacatcac	tcgntctgct	gcccangtgg	gcttccatct	tcactgagga	240
aaagnccatt	ngaactcccc	ggcgactgca	aattaagtaa	tcaaggacag	atgggactgg	300
gtngaccatt	ccaaggagta	cagntactgg	aagaatctgg	aagcaatacc	gagcacatct	360
gntggcatna	atccattgga	gcaataatgc	tggacgtaga	aagnatgtcg	cntttttaaa	420
aaaacatcat	cannnctgag	catacgnagc	aagngaactc	taacttgga	cggangataa	480
attcntctaa	aaaacaagag	aaaaaacctc	ncagacaaaa	ttatgcancg	agagctttaa	540
aaaatatana	tcccacagca	tnagggaaaa	cactttgnct	ggcnatgccc	acnagnactcc	600
anccctgggc	cgacagaacc	gaggactccc	ggncccaaaa	aaaaaannan	naagaaagac	660
nngcattaaa	gggagaaacc	agncnggncc	ngggcnagaa	aaaaananaa	nanggcaaag	720
aaggcannnn	ttnaaaanna	ntnnaaagac	caaagcagnc	anagganaaa	acc	773

<210> 2958

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (639)

<223> n = A,T,C or G

<400> 2958

gannttcnac	taatngcttg	gntctcgttc	tntatgcagg	atccctcgat	tcgaattcng	60
cacgagaagg	cctgtgccng	aggggttggc	cagttgggag	ccngngtcnt	cctcatcage	120
ntatecccat	gtcctctatg	cccctaant	gcttnctcat	nttggagggn	ttggggagaa	180
gttggnngtg	ccacccccac	atccctgnng	aggtgttcac	ccagtctgag	anccgnnagc	240
actnaggcag	ggcctgatac	tggacctgt	tgagctnana	nctcnntgnt	ngnaanganc	300
tgagacngcn	gancantgct	cacttgcatt	gagagccac	cananagctg	acacctgcgg	360
ctnngttncg	natcatctnc	nacntagaan	tctacatatn	gctgacttac	mncnnnagcc	420
caagggaatc	agattccanc	tatcaaactn	ctgattange	cnaancctct	attgtnaaca	480
ggttntggcg	cacntgttca	tcacnactna	tgcntcgaan	agatgtgaaa	tgnaaaatgc	540
natntctatg	tntctttact	catttgataa	tnntnnnat	gtctgcattc	naaatgcgtg	600
anctttgncc	aaagcnnnta	gctacctntt	nttcgcctnt			639

<210> 2959

<211> 761

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (761)
 <223> n = A,T,C or G

<400> 2959
 nntttncnaa tncnaggcta cttgttcttt ntgcaggatc ccatcgattc gaattcggca 60
 cgagaaatca gttnttaaac tttatgtata tattntagcc agagcttaat gttttatgaa 120
 gataaaggac atgaagntta acaatggaca acngntannt cagctaattg tgagggtcaag 180
 naattgnaag acatacggga aggctttgtt ccacaatatt atatggacca ctgaacaaga 240
 atgacagccc tttgttatca cttggcatat gaaaagtgtg gtgtgcatag gttgngtnaa 300
 tttntnatgt gcntaaaaat gngatnttaa nttatatgct ctgaangata atncagggtta 360
 tagttaaaaa tgtacaatgt gccanntcan nntatntnac cctagccctc aaattattct 420
 gattaagggtt aaaatgtgct ggcttacngt gcttnancct gaggccttct gatnggntct 480
 tggnnacaga nttttaaagt aagggtgtgan ttngcgaact cntgtgctnt atntataaag 540
 atatnaanta atnnatgtg ctgatatttg aaaagaattt ncccacaaat gtgttatttt 600
 aaaancnate aaagctagct acangctnaa naggtcagct tcttcntaca taatcgggnt 660
 aaanattnta aggnattata anaattgtaa attactgccc aattgggtaa aaaanggggg 720
 tatacatgca annaataana ctcnagccct ttataacttt n 761

<210> 2960
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (857)
 <223> n = A,T,C or G

<400> 2960
 nttcntnact naagcncttt gcaacttctt cttnttgcag gatcccatcg attcgaattc 60
 ggcacgagga tagctatctg acttctcaac tatgttttaa gcagatgttg taaatcctat 120
 gctgtagtgc atgaatctat atgacatgtg gggtcgggaa catagtaccc taccataagt 180
 cagggttatc ctactattct gcaacatgta aataacactt tgaacagagc aggtggtaaa 240
 gattgcttaa tttttgcatg actattatga taaatatgtt gagaaggacc agctcaaagg 300
 aaaacctctt ggtaactngg catangttaa atgtttccca agaaagtgc ctcttcccaa 360
 ataaagcttn ctcttgaaa aanaaacgnc caggtagcca nntnaannng atgnaaangc 420
 aaaaaacnan anacacaang ctngctncag gnanngnnnc tngctgact nttgnngagc 480
 cnccangnct acggnatacc tgnngctta cnttgaatgn nactgtgncc cttganngng 540
 gaacngaaac ccntcncaa tcctgaaagn gtctgnaag gttnaccctt gnaaaaatgn 600
 aactnccnnn ccaaannntt ccngcnnaaa nnanggnntt gncccnnnn cnntantngn 660
 ccngnnnncc aatntcctan nnnctangg tntnacccc cnntnaaana gattttggnn 720
 aagggnntcc ccatnaacnc cnngncccca annccnggna nannnaaanc cttnnccnga 780
 atnnnnnggc ctntatcggc cccctttaa attnnccggg nnaaaaaaca annccctngn 840
 nnnnnnttaa aantagg 857

<210> 2961
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (857)
 <223> n = A,T,C or G

<400> 2961

nttcntnact	naagcnccttt	gcaacttcct	ctttntgcag	gatcccatcg	attcgaattc	60
ggcagcagga	tagctatctg	acttctcaac	tatgttttaa	gcagatgttg	taaatacctat	120
gctgtagttc	atgaatctat	atgacatgtg	gggtcgggaa	catagtaccc	taccataagt	180
caggttattc	ctactattct	gcaacatgta	aataacactt	tgaacagagc	aagtggtaaa	240
gattgcttaa	tttttgcag	actattatga	taaataatgtt	gagaaggacc	agctcaaagg	300
aaaacctctt	ggtaactngg	catangttaa	atgtttccca	agaaagtgca	ctcttcccaa	360
ataaagcttn	ctccttgaaa	aanaaacgnc	caggtagcca	nnntnaannng	atgnaaangc	420
aaaaaacnan	anacacaang	ctngctncag	gnanngnnnc	tgngctgact	nttgnggagc	480
cnccangnct	acggntaacc	tgncngctta	cnttgaatgn	nactgtgncc	cttgannnng	540
gaacngaaac	cccntcncaa	tcttgaaagn	gtcntgnaag	gtnnaccctt	gnaaaaatgn	600
aactnccnnn	ccaaannntt	ccngcnnaaa	nnanggnntt	gnccccnnnn	cnntantngn	660
ccngnnnncc	aatntectan	nnncntangg	tntnacnccc	cnntnaaana	gattttgnnn	720
aagggnttcc	ccatnaacnc	cnnngcccc	annccnggna	nannnaaanc	cttnnccnga	780
atnnnnnggc	ctntatcggc	ccccttttaa	attnnccgggn	nnaaaaaaca	annccctngn	840
nnnnnnntaa	aantagg					857

<210> 2962

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 2962

gnnnnttnna	atnnnagctc	ttgttctttn	tgcaggatcc	catcgattcg	aattcggcac	60
gaggeccctgt	gttaatccag	gtgagaacag	gtagtaccga	aattagggca	tggtagcagg	120
gatgcagagg	aaagaagagg	agtangaact	atttgggagg	tagtattact	aggatttttag	180
ctttgaaggg	ttgagagaaa	tgtcaagcct	aactacaagc	aaggtttcta	gtatcagnaa	240
cttcataatca	tttgaaatac	aanattanc	aatcaatgta	aaaaacgtcc	tgggctaagc	300
atagcatgaa	gtctgacttc	agtgtagcat	tgaggagggt	cctggcctca	natactgcac	360
cagntgttng	ntcagctntg	ggcnanaaca	ttagncagat	cattagggat	ctttgtccct	420
tnntgcattg	tccttcgtca	tatatattt	aaacacctac	tgtatcctag	gcagtatttn	480
ccagggatgc	aaagatnaat	tagatctggt	ngcttttctt	canagtctga	agttaagtgt	540
cangtttgtg	gggaangtta	ttctngcctt	gtgtatttag	tcccaactta	agctntaatt	600
ttngaattng	taaaacctta	tctgattata	aaaaaannaa	cncagctctna	aananaggat	660
ggntgaatgc	ataaatttaa	tcttgaaaat	ttaancgact	ggttcttcaa	aatgncactt	720
ttcatccccg	gttggcttnt	ggctga				746

<210> 2963

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 2963

gnnnnttcta	atgctaggct	acttgttctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgaggaaat	gggtagggaac	aagcattagc	ctggctctggg	ttcctccagc	tcttaggaca	120
agttggaaca	natttgctgt	tctgatgatt	catctttctg	atcacaggga	tagcataact	180

cagctttgaa	gaaaggcatc	tgcagagatc	atggcagttc	cattttgcgt	tctgagtttg	240
ctccttttagg	taaggggaact	agaatgcaga	tacagttaga	atcagtctct	ctctctctgt	300
ttgtctgtct	gtctgtcact	ctctntctcc	ttattgcact	ganggccggg	cgcggtgggt	360
cacacctgta	atcccagcac	tttgggaggg	tgaggcatgt	ggatcacgag	gtcangagat	420
cgagaccatc	ctggccaaca	tggtgaaacc	ccgtttctac	taaaaataca	aaaattagcc	480
ggcgtgggtg	tggacgcctg	tnatcccaac	tactcangaa	gctgangcag	gagaattgct	540
tgaaacccgg	gangcggang	ttgcggtgan	ccnaaattgc	gccactgctc	tccaacctgg	600
gtnacananc	aagactctgn	cttaaaaaaa	aaanacaana	aactcgagcc	tntaactat	660
agnagatcgt	attacgnaga	tccaaacatg	ataagatnca	ttggtgagtt	tggacaaaacc	720
ncantngaatt	gccanggaaa	aaaatgcttt	ant			753

<210> 2964

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(748)

<223> n = A,T,C or G

<400> 2964

tancttnata	gacagctact	tggtcttttt	gcaggatccc	atcgattcga	attcggcacg	60
aggggaccac	tggcctgcct	gacctcacc	cactaatatt	ttttattttt	tgcagagaca	120
ggatatgggg	aaaagaaatc	agattgttac	tgtgtctatg	tagaaaagga	agccataaga	180
aactccattt	tgatctgtat	taagaaaaat	tggtctgctt	tgagatgctg	ttaatctgta	240
actttagccc	caaccctgtg	ctcacagaaa	cgtactgtat	tgaatcaagg	ttaatggat	300
ttagggctgt	gcagcatgtg	ccttggttaac	aatatgtttg	caggcagtat	gcttggtaaa	360
agtcacgcgc	attctccatt	ctctattaac	cagggacaca	atgcactgcg	gaaagctgca	420
gggacctctg	cctgagaaaag	cctgggtatt	gtccaagggt	tccccactg	agacagcctg	480
agatatggcc	tcatgggaaa	ggaaagacct	tacatcccc	agccggacac	ccttaaagg	540
tctgtgctga	ngaggaggag	tgaaagaggg	aggcctcttt	gcagttgaga	taagagtaan	600
gcttctgtct	nctgtcatt	cctgggaatg	gaatgtcatg	gtgtaaagcc	accattccca	660
ttcgttggat	tctgaaatag	gagaaaactc	cctgtggctn	anaaccgaga	tatgctggca	720
ncactactgn	tctgctgctc	tttgctnn				748

<210> 2965

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 2965

gnnnttctaa	tagcnagntg	ctacttgttc	tttttgagg	atcccatcga	ttcgaattcg	60
gcacgagaaa	ggcttagatc	attgacttca	gattttttgt	cttttctaac	aagtgttcaa	120
gactataata	taaatttccc	tctaagcatt	gtttagccac	atttcacaaa	tttggaatg	180
tttttacct	ttcatcttca	ttcagttgaa	aatattttct	aatttccctt	ttaatttctt	240
cttttactca	cttattattt	ggaaatgtgt	tatttcattt	ccaaatattt	ggggattttc	300
aaatatctcc	tgtaacaat	ttctaaatta	gttgtagtca	gagaacatat	tctgtgattt	360
caatgctgag	gcttgctgga	agccccagaa	tatgggtgcat	tctgtggaat	gtttcatgca	420
catgtaataa	gaatgtggct	gggtgcagtg	gctcctgcct	gtaatctcaa	cactttggga	480
ggctgaggtg	ggtggattac	ttgaggtcag	gagttcgaga	ccagcctggc	caacataagt	540

gaaaccctgt	ctctacgaaa	catacaaaaa	ttagctgggt	gtggtggtgg	gtgcctgtaa	600
tctcgattgc	accctgcac	tttagtctgg	gtgacaaagc	aagactacat	cttcaaaaaga	660
aanananann	nnnnaaaang	ntnnnnnnnn	nnnaannnnn	nnnnnnnnnn	nnnnnnnnnn	720
ntngnnnnnn	nnnggnntn	nnnnnaannc	ccc			753

<210> 2966

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 2966

ggnnnnnnntt	gaaangnttn	ttgtcttttg	cggatcccat	cgattcgaat	tcggcacgag	60
gttacaaca	gtggaaaaca	gacattttca	gatgtttgca	caccatgcac	catgcaaaat	120
acanaccagc	tgaatcataa	naacaaatga	ctagtacttg	ggagggtttt	ctctctttct	180
cattattttt	actttctacca	aagtaatgtg	cacatactgg	tnattttatt	cnattttaat	240
tttcaccaag	ctagctaat	acctttcttt	gttttttggtg	gagggtgggt	gtcgggtcttt	300
tgctgaggct	gatctccaac	tcctgtcttc	aagcagtcct	tccacttggg	cctaccagag	360
tgctgggata	acaggcgtga	accactgcnc	ctgacctata	nctataatnn	taagaagnaa	420
aatggngcaa	aaaccnnaca	ngagcaacct	gacntnctac	tntcanaaac	aatcactttt	480
aactctttga	actgnatctc	tgntatattg	ctacttattt	ctaagtaata	tgcttactct	540
ncatgttatc	taaattgggt	attaaagctt	tttnacaagc	atctcttctn	actatcaaca	600
ttcacattca	ttacaaangg	acttacaata	tctttntcaa	aaaaaaaaan	nnnnnnnaaa	660
aaaaaaaaagc	ctttanaact	ntanngagtc	gattacgtga	ccccganntg	ataagganca	720
nttgggtgagt	ttggacaacc	ccaac				745

<210> 2967

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 2967

ggntntnaat	ttgcagctct	tgngntctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgagcgggtg	ctggtgcggc	gggggactgc	ggggccngcc	tcaggtagca	gcagcagcag	120
cagcagcagc	agcagcagca	gcagcagcag	cagcaatgtt	tcacttcttc	agaaagcctc	180
cggaatctaa	aaagccctca	gtaccagaga	cagaagcaga	tggattcgtc	cttttagaag	240
catctcagag	gctctccagt	gacgtgctgt	taaaagtgt	gaccctgggt	cagacccttt	300
gggttggtctt	cgtggctcca	cgacttactc	tctacccttg	gcagtggcgt	gatctcgggt	360
cactgcaacc	tccgcctcct	gggttcaaac	gattctcctg	cctcagcctc	ctgagtagct	420
gggactacag	gggcctgcc	ccaagccag	ctaatttttt	tttgtatttt	cagtagagac	480
ggggtttcac	catgttggtc	aggatgggtc	tgactctctg	acatcatgat	ccgcccgtcg	540
gcctccaaag	tcctgggatt	acaggcgtga	gccaccgtgc	ccggcctata	tgtntatatt	600
tataaagtta	tatgtnttat	tatttacttt	ttgggtatgt	attgggtatg	tcataaaatt	660
ataatataat	aattccttaa	ccaaattata	ttccataaat	tataacntat	gaattcaata	720
tgcntttatt	aaataaagat	tctagan				747

<210> 2968

<211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (762)
 <223> n = A,T,C or G

<400> 2968

gctatnttna	tatancagct	gctcttggtc	tttttgcagg	atcccatcga	ttcgaattcg	60
gcacgagggg	ggacacgttg	gctgcgtttt	cggcgggctt	cccgggtaca	aaaatggctg	120
tggttagcga	tttctacctg	cgctactacg	tagggcacaa	gggcaagttt	gggcacgagt	180
ttctggagtt	cgaatttcgg	ccggacgggtg	tttacgtgta	attgttcacc	ataggacgca	240
tgaagagtac	caagcaagag	gggagaggaa	agcttagata	tgccaacaac	agcaattaca	300
aaaatgatgt	gatgatcaga	aaagaggcctt	atgtgcacaa	gagtgtaatg	gaagaactga	360
agagaattat	tgatgacagt	gaaattacaa	aagaagatga	tgctttgtgg	cctccccctg	420
atagggttgg	ccgacagaat	aaatgatggtt	tctcaggcctt	ctgaagaact	ctgaaagcct	480
aatttcactc	tgtaaaaaga	aagtttggtt	tctgaattgg	gtcttttcaa	ctcttgagaga	540
aattcccttca	acaaccctcg	gaaaggaaga	aacatttaaat	ttcacttttg	nataccctg	600
angaatgtcc	tttgnatcac	cttctttgaa	tagaagaaaa	tgtggagaaa	tctaacacat	660
gcttgactc	ttgtaggaat	nacttaagtc	ttctgcttaa	agaaaccctt	ntttagaaaa	720
accaaaggaa	ctttgaaatt	gtnaattgga	gatgagcncn	nt		762

<210> 2969
 <211> 791
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (791)
 <223> n = A,T,C or G

<400> 2969

nnnnnnnnnn	ttnancagct	cttggtttgc	aggatccctc	gattcgaaat	attttcattg	60
gttatacaac	tgctgtgtct	tttctgagaa	actcagcccc	aatgtgtaac	accctggatt	120
ccacggggca	gcaaattcca	cacactgcac	ccatgttggtg	agcggagatt	ttcgggctga	180
ccaaaacttg	aggcgaactg	agtctccatc	ttaacactca	aacacacttc	atggcggcct	240
ggaaacaagg	caatcattat	gaagcttcag	cccagttcctt	ctgaaaccaa	cgtattgggc	300
ctgcttcatt	gtctctctag	gggctaata	caaacatgtg	ggaaggggaag	ctaaggaatg	360
cctgtctaga	aagggagggtt	gtataatgta	gtgggaagaa	cctatctgtg	gggtaaaactt	420
tttttgcac	atgtagaaag	caaactctggg	taattaaatg	tttgtgtgtg	tgtgtgtgtg	480
tgtgtgtgta	tttangtttn	nnntanggnn	nnnnntncnn	tnnncnnngc	ccngtntang	540
nnnnnnnnng	gcanngnnnn	ttcctctcnn	nnncananga	nctnnngncn	ngtnnctgtn	600
cnnncttann	nnntngaangn	tnnnttnnga	aaacctnnnn	tnnnccnttt	nnnnantggg	660
nnnnnnnnct	nnnnnnnnnn	nnnnnnnnnn	nnnacntnnn	ngnnnnnangn	ccnnnnnnnn	720
tnnnnnnnnn	cnnnnnnnnn	naannnnngn	nnnnnnnnna	tttnnnnnnn	nnnnnnntnn	780
nnnnnnnnng	g					791

<210> 2970
 <211> 788
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(788)
 <223> n = A,T,C or G

<400> 2970

gntgtntnnt	tacnactgct	gttcttttgn	aggteccatc	gattcgaatt	cggcacgagt	60
aaacatccag	atgtgttttg	atagcctggg	gtaattaagg	ttgaggacaa	gtgtaccaga	120
tcaaggagag	gaaccggtcc	catgcctgcc	gtgtgttcag	gtggctagac	ttgtgtgtgc	180
atctgttagt	tccactctta	gtacatcatt	gtgctgtgag	gtgtcattag	ccgccgttta	240
atTTTTcttt	tgtttttaga	gacagtgtct	tgtcttcacc	ccggcttaag	tacagtgaca	300
tgatcatagc	tgactgcaac	ctcaaactcc	tgtactcaag	tgatcctnct	gtcttantgt	360
cccaagaagc	taggactgca	ggcacacacc	accatgcctg	gctaattttt	aatttttttg	420
taaagatggg	gtctcctatg	ttgtctcanct	ggctctcaaac	tcctgtcctn	aagcagtcce	480
ccaccttttg	ccttccaaag	cactggggat	tagnatnctt	atnntcnnnn	atanncctta	540
ntnnnenngt	tttntctaat	gggtatttna	acnttttnca	aanntttnnn	nnntnnnttn	600
nanaatncnn	tttnttncnn	aaggnnnttt	nccanntntt	ntnnnaannn	naaannnnnn	660
nnnnnnnnnt	nnnnnnnaaa	anccctnttt	nnnaacnnnt	tttnnnnnnn	nnntnttttn	720
nnnnnnnnnn	nnntntnnnt	nnnnnnnnnn	nnntnnnnnat	ttnnnnnnnn	actcnnnnnn	780
tttnnnnn						788

<210> 2971
 <211> 746
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(746)
 <223> n = A,T,C or G

<400> 2971

tatntttcna	gcngctcttg	ttctttttgc	aggatccctc	gattcgggtg	tcagcagtaa	60
gatggaagaa	agaaagtcaa	agctggaaga	ggccctcaac	ttggcaacag	aattccagaa	120
ttccctacaa	gaatttatca	actggctcac	tctagcagag	cagagttaa	acatcgcttc	180
tccaccaagc	ctgattctaa	atactgtcct	ttccagata	gaagagcaca	aggcttttgc	240
taatgaagta	aatgctcatc	gagaccagat	cattgagctg	gatcaaaactg	ggaatcaatt	300
aaagttcctt	agccaaaagc	aggatgttgt	tctgatcaag	aatttggttg	tgagcgtgca	360
gtctcgatgg	gagaagggtg	tccagcgatc	tattgaaaga	ggcgatcac	tagatgatgc	420
caggaagcgg	gcaaaaacaat	tccatgaagc	ttggaaaaaa	ctgattgact	ggctagaaga	480
tgcagagagt	cacctggact	cagaactaga	gatatccaat	gaccagaca	aaattaaact	540
tcagctttct	aagcataagg	agtttcagaa	gactcttggt	ggcaagcagc	ctgtgtatga	600
taccacaatt	agaactggca	gaacactgaa	agaaaagact	ttgctttccg	aagatactca	660
gaaacttgac	aatttcttag	gagaaatcag	agacaaatga	gatgatggcc	gatatgtcca	720
ccagatgacc	agtgcctgcc	ccggan				746

<210> 2972
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 2972

gntnnnncnaa	tgcttggtct	tcgntcttnt	tgntgcagga	tcccatcgat	tcgctaatat	60
ccagaatcta	caatgaactc	aaacaaattt	acaagaaaaa	aacaaacaac	cccatcaaaa	120
agtgggcgaa	ggacacgaac	agacacttct	caaaagaaga	catttatgca	gccaaaaaac	180
acatgaaaaa	atgctcatca	tactggcca	tcagagaaat	gcaaatcaaa	accacaatga	240
gataccatct	cacaccagtt	agaatggcaa	tcataagagct	tttcatttat	ctgagtgttt	300
tcctctgctt	gtcgggactt	gtgctttcac	gagctcctgc	tctcatatca	ggggagtga	360
taattgaatt	tggatagttt	tttggttttt	agttggaaca	ctccttttcc	tgtggaacgt	420
ctatagaaaa	aatgagtcaa	acagagaata	tgcaggggag	gcaactctga	atgcttccat	480
ggctacatac	atacctgttt	tctttgattt	gctaaaccct	aagttaaaag	gaaagtactg	540
tctaaaatag	ggagaaattc	cctatatatta	taccatcatt	tggagtattt	acaatgggag	600
tgttttgnat	tataaatgtc	aaaaangttg	agacaggact	cacttaaatt	aagangggaa	660
actttttttt	aatgatggaa	atangggctt	aataaaactta	catctnctta	acttctttta	720
taattggnaa	taaactatga	ctgggtcaaga	attggacnnt	cc		762

<210> 2973

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 2973

gmnntnnnct	antnncnaggc	tacttggtct	ttntgcagga	tcccatcgat	tcgaattcgg	60
cacgaggtga	tatgaaaagc	gaatgcacca	tttcttggtg	atgattcagg	tcagcggttg	120
gacccaggaa	tctcctgtta	atcagtaccc	tggtgatttt	gatccaggtc	atcaagacca	180
tggcttccat	cgtaggcagt	cacactcttt	ctctcttgga	tcatttgctg	tggggaagca	240
aactgtcata	tgagaggaca	ctcaaacagc	ctctggagtc	tcatttgcta	aggaactgag	300
gactccagcc	tgagaactca	ngcaagtaac	tgaggcctgc	caacaaccat	ggagaaagcc	360
tggaagtgga	tcctccctca	gccttcagtc	gagacaacag	ctgcaatgac	agccaagcca	420
gcgccaccca	gcttagccac	ccccagagaa	ctaactctca	gaaaccatgt	aagataatac	480
atgttngttg	tnntaagctg	ctaagttttg	gggttnattna	ttatacaata	gatnattaaa	540
acacatagca	tataaatata	atcaatataa	ccagtatggg	tcagtaatga	gttaattaga	600
taattagaca	aattttgcat	ttctgnttct	atggtnatna	ttttcttcag	aaaaaattct	660
ctccgggtaa	aaaatgttta	aaagtgggtc	ccaaccggac	attttttaaa	ttaattaatc	720
agtttnggga	aggccaaagc	cggtttggtg	tgtttttaan			760

<210> 2974

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (795)

<223> n = A,T,C or G

<400> 2974

gcnanagcng	nctnatagct	cggttggctc	ttgttctttt	tgcaggatcc	catcgattcg	60
aattcggcac	gaggaagaga	actatctaaa	tgagtaatgg	tcaagaaatt	ttaaagcata	120
atgacatgaa	acaaacaacc	ggtccaggaa	gctcagagaa	tacaattcat	gacaaacaac	180
aaaaatacag	caccagacat	agcatttctt	atatgtagaa	taaaagaaaa	taaaataaat	240
caataaatag	acaaagagaa	aatcttgaca	gaatctggaa	tgaaaactac	attccttgta	300
gagaaaaaag	agcaaggatt	tcagcccact	tccagtaaga	aaccaggcaa	gaaagaagag	360

```

agttgcggga aatgttaagg aataaatgca ccaacttaga attctacatc tagcaaaatt 420
atacttcaaa agcagagggg aaatcagaat ttaccagaca ataaaacact aacggaatat 480
attgccagaa aactttcctg caaatgtgtt aaaagangtt attcatggag gagaagagtg 540
atatagatca gaacctgtat ttacaataag aaagcaagta tgttgaaaaa ggaaaaaaa 600
tgttttatct ttcttattgn aaggtctttt taaactacat ggtttggtta aaggtaatta 660
ttaagtaaaa tggttttggg gccaanntnc ccaaaaaaaa aannannnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnaaaaaa aaaaccttng ggncccttta aaaacttttt 780
ngggggngnn nntttt 795

```

<210> 2975

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(785)

<223> n = A,T,C or G

<400> 2975

```

cagggntct aatnncagct cttgttcttt ttgcaggatc ccatcgattg ggcaaatatt 60
aaatattcaa tgaatgatag ctgcctctac ttctcctttt gttgttttta tttccattt 120
atggngtca tttatttatt ttaatgtctt cgaaagtatt gactttaaca agtactttgt 180
gatgcattta ttatttcatt tgttattatt tatgtatttg atttatttct ttgtgaggta 240
ggatanaatc tcantcagat ttttgctgtt aggataccac agactggata actacaaaga 300
aggggaagtct gtttaactcn caattctaga ggctggcgca tctaagagca tgacactggc 360
aactggcnag gatcatctca tggtggaagg tngaaggagg tacatganat anagagaanc 420
accatgggct ngactccgct ntgtacaacc aaaccttnan ntnactaacc cgntcntgca 480
ataatnacat taatccccct atgaagggtc caccctcat gactgattna catntaatta 540
ggccccacnc tcctaanatt attcacttgg gagnetcaag ntctaaccac gtnaaccttt 600
tgnngggata ncattccnaa cnttncnc nattgntggn cnaaaaagna cnttaccna 660
tccctttacc ctntttgngc ntaacncnt ttannagcgt gananntnna ctgtttcttt 720
taaaatangg ntnccttaaan tnncttggan taaattttaa aattgggnant atgnncanan 780
ctttc 785

```

<210> 2976

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(802)

<223> n = A,T,C or G

<400> 2976

```

gnnnnnnntt nnaaatnnna ngctacttgt tctttttgca ggatcccatc gattcgaatt 60
cggcacgagc ctctgcgcct ggccccgggt gggtcagccc gcgtggacca cctgaccttg 120
gcctgcaccc ccggcagctc cccacacatt ttgcgctggt tccacgactg cctgggcttt 180
tgccacttgc cgctgagccc aggtgaggat cccgagctgg gcctcgaaat gacagcaggg 240
tttgggcttg ggggactgag gcttacagcc ctgcaggccc agccgggcag cattgtcccc 300
actcttgctc tggctgagtc ccttccgggg gcgacgacac gacaggacca ggtggagcag 360
ttcctggccc ggcacaaggg gccaggcctg cagcacgtgg ggctgtatac gcctaaccatt 420
gtggaggcca ctgagggggt ggcaactgct ggaggccagt tccctggctcc ccctggggca 480
tactaccagc agccaggaaa ggagaggcag atccgagctg cagggcacga gcctcatctg 540
cttgctcgac aggggatcct gctagatggt gataaaggca agtttctgct tcaggctctc 600

```

acaaagtccc	tttttaactt	gaggaacact	ttctttcctg	gaagcttgaa	ttcaanaagg	660
caaggggggg	ccaactggct	ttttgggtca	angggccaac	aatcaagaan	cnttttgtng	720
gcaantcccg	ttaccangga	agccaaatnt	tggccaaggg	aacccccagg	aaaaccctn	780
aagggattgn	ccccaagggg	ct				802

<210> 2977

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(828)

<223> n = A,T,C or G

<400> 2977

ggcnctnttt	ctaagtcttg	gctactcgtc	ctctangcag	gatcccatcg	nttcgaattc	60
ngcacgaggt	gaagaagant	aaaagagaca	gaaagganga	acggctngan	gaaaaggaac	120
agngatgcga	aagaactnaa	gatagaaaac	caccattaaa	actnaaggan	tccnaggcct	180
annacnctca	annagggaca	ggaggctgac	ctttangctn	gtgnggagga	agtcctctnn	240
gccantggct	ntgcntggaa	aancatcatn	aagnagnngc	agcncaagg	cttctccant	300
gaggaatagg	ctcaacgtgg	gcnctcaggt	gngagggnanc	atgagcnctc	cntagtggga	360
acatatccct	aagngtatga	tnatgaatnt	cccaggagca	ttctgcaggc	mnttaaccat	420
angacnatnn	ngctgctnct	ntgcgnatat	tnnnntngna	nggancnate	nannctatt	480
ttgaaacagg	tcccngncan	ttgaaatttc	catccnaaat	ttcngtannc	aaggttttng	540
ctcatcctac	ncnatnnctg	ancagnntna	nctattcnga	naaggtaact	acangnccan	600
cnantancat	tgtagnattg	cgntatnant	ccccttcctt	tnntaattnc	cctaangnac	660
tnaanttnna	anccnnggtg	gataatagca	acnntttcga	tgtggattta	antacccttt	720
gaattccaat	ttttgnttgn	nnattnctat	accttttanca	tgttgaatcc	ctnnattaac	780
aattncttta	ntttggaact	tcttaaccga	ccttcaaatt	tttngccg		828

<210> 2978

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 2978

gnnnnntttt	cnaatgctng	gctactngtt	ctttntgcag	gatcccatcg	attcgtttaa	60
aaagcatttt	attatgtatt	atgaaatatt	tcaaacataa	aaagatgtaa	agactatcta	120
ccaatgactc	ccccctta	aaaacaaatt	aacctgaagg	ctgttttgtg	cccctccttg	180
attgtgcatt	cacctcccaa	cccctcgctc	cttgggcaac	tgttatcttt	gttatttgtc	240
attgccttaa	cattagattt	ttttattact	gcttttgtaa	ttctaattgat	atcaaaggga	300
aaaaatattt	tgaatgcaac	tcctctttta	atttgcctca	attgggtatct	gtatttttta	360
gtccatgcct	gtattataag	tattataaat	actatctgtg	tatacttttg	ctaaagtcga	420
gtgtattngt	taaactgatg	atacagcttc	ataagatttt	angtcagcta	atggattgtc	480
aatattttgn	gtagaatact	taccagggtta	taaattacaa	tttgaaacat	agatatccta	540
tagttngaga	atgtgaacat	agatatggat	tatgttgaaa	tcgactgcct	ttntcttagc	600
tatgacagta	ataaactata	tnacaacaaa	aaaaaaaaaa	ctatanaaac	tcgagccttt	660
tagaactata	tgagtcngat	tacgcgatcc	agacntgnta	agatacattg	atgaatttgg	720
ccaaaccaca	acttggaatg	caanngaaaa	aaa			753

<210> 2979
 <211> 792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (792)
 <223> n = A,T,C or G

<400> 2979
 gnnnnnnnttt caaatcgcta ggctacttgt tctttttgca ggatcccatc gattcgaatt 60
 cggcacgaga gaggaggagg aagaggagga aaatggggat tctgtagtcc agaataataa 120
 cacttcccag atgtctcata agaaggtggc cccaggcaat cttagaaccg gacaacaggt 180
 ggaaacaaag tcacagccac actccctggc cacagagacc agaaacccag gaggacagga 240
 aatgaacaga acggagctga acaagttcag ccacgtggat tctccaaatt cggaatgcaa 300
 gggtagggac gcgaccgatg accagtttga aagccccaag aaaaagttaa aattcaaatt 360
 ccctaagaag caattcgccg ctctcactca agccattcgc accggaacta aaacagggaa 420
 gaagactttg caagtggtag tctatgaaga agaggaagag gatggcacc tgaaacagca 480
 catagaagcc aagcgcttcg aaatcgctag gtctcaacct gaagacaccc cttgaaaaca 540
 cagtgaggan gcaagagcag cccagcatcg aagagtacat cttccgattt caaggaactg 600
 atgaaattag aaaaaacacc ttccngaaca ttgggatagc cttggaagca ggaccatta 660
 aacaagcttg gaaaattcca attcgggtga aantgagttc cccaaaagnc ctttanttgg 720
 atacctcatg gttcntttcc aacaggagaa ttctggttgc caaggttcat ttcccacat 780
 tagccccaag ag 792

<210> 2980
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (757)
 <223> n = A,T,C or G

<400> 2980
 gannntgcta ctaatgcttg gctactcggt ctntntgcag gatcccatcg attcgtggaa 60
 aatataaaaa gtgacacttt atgcaaatgt gatggcctcc gagctgaaat gaaggaactg 120
 gcaatctttc caaagtggca gccaaagccc cactccctgt cctactcaat ctctgnnngg 180
 aaaaactgtg ggatangata gcagncagct ggggacacac agaggaacat tcaacaggaa 240
 ggtcccgtct agggaaaagg ccacanancc catcctnttg ccgattcagg gatccttga 300
 tntaagtgga ttaaaccgana gggaggaaan ctntcatttc antggtcttc aaatcaagtt 360
 gaaatattac tgnaggttat cccacttnag cctgaaccag cagacntacg anagggtcac 420
 tctagagtca cnaaggaaaag cangtcccnc ngaatgcaac acattgatcg gaagtgnacg 480
 nncagacna agaatggccn acttgataat tacttangac ntntatttna ccggangaac 540
 atnnaaatac ttttgtaaatt attcatattg ntgaaccttt cataatcagg aatttactat 600
 gtactatact gtnagtnata attcgcttat aatttactta atctatctcc ttntangaca 660
 tatacnnaaa tgggntnctn tggaagttgc ctngtgcgaa aatgttttta aaagtttttc 720
 aatttggttt ggaaaactct aacttttttt nnttttn 757

<210> 2981
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (747)
 <223> n = A,T,C or G

<400> 2981

gnnnntttnnn aanaacagct cttgtttcttt ttgcaggatc ccatcgattc gaattcggca	60
cgaggttacc tctcaatttt aacttttttt ttctttttta attaatgttt ttaccatg	120
gcaagctgta atagcttttt tgaggggagg taggtgcttg ataaagaaca gtagggtgctg	180
cttatcaaca gatgaaagga gggttctttt tcaggcaacc atctcatttg tgagtgaatg	240
gactttctct ttaaagtgtc gggattgnta gtgccatttn tattgtaaat atcagaattg	300
ttattcnttg tcttctacct aagaattctg tctcttaggc tttctcttcc cagatttccc	360
aaagtggga aaagctgggt tgagagggca aaaggaaana naaagaattc tgtctctgac	420
ataattagat aggggaaccan ttgggaagct gtaagaataa tgcagggtgca aggtgggtggt	480
ggttnagagc cgggtgatag ctgtggatgt agaaagaatc tgaatatatt gtgtcatagg	540
gntgacctga tttgctaatt gagtagttaa ggatgtggna aagtgggaatc aagcatggct	600
tcaangctg ggcctgaaaa accgggagaa tgagtcacat naactaagac gggaaagaca	660
atggtagggg cctgttttagg gaanactnng nagaagatta ncncctcatt nctaatgatg	720
taatncatan aatcttgcan ggcctt	747

<210> 2982
 <211> 745
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (745)
 <223> n = A,T,C or G

<400> 2982

nntgtngntc naatgctagg ctacttggtc tttttgcagg atcccatcga ttcgctagag	60
tgcaatgttg cagtgcattg ctgcaatctg ggcctactgc gacctccacc tctgaggca	120
ggagaatggc gtgaaaccag gaggaggagc ttgcagttag ccgagatcgt gccactgcac	180
tccagcctgg gtgacagagc gagactcgt ctcaaaaaaa aanaatctaa tctcactg	240
catcccattg tgatagtcct acattatgtg acattaacct atattcctgg gtccctttta	300
ttcccaacta ctgctcttag aggtcttagc cttttatgtt aatttttata aattcaatta	360
aataaatatt attcccaaat cttagtgttt gcagattagt tataaatcct atccaaggta	420
ggttaaaggc caccgtttta cagataaata gtacttttta tatttttata tgaaatagt	480
catttggtga gaataaaaga aggtatgttt aaaaatagaa tcttttgggc ctggtggtac	540
gccctttag tagctagctac ttgggcagct gangtggagg atctncttga gcctaggagt	600
tccagactgc actggcgtca ctgnacttca gcctgggcga cagaatgaga ccctgctntt	660
aaaaaaatat naaatngact attttatagt tgaatgttag ttagcaagtt atcatctgag	720
ccttaagtca aaattaaatc tttaa	745

<210> 2983
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (785)
 <223> n = A,T,C or G

<400> 2983

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gnntnttcta atngetnggc tcttgttctt tntgcaggat cccatcgatt cgaattcggc      60
acgaggctgg tgtaggggtt ctttgttttt ggggtttggc anagatgtgt ttaantgctg      120
tgccanaag cggagggagg ggggttgggt gaaattcttt gctatgatgt ctntgtggaa      180
agcggctgtg catacattca attgctatta aaaaaaaaaa aaaaaaanca caaaagataa      240
nnctaataa anaaatnctc ataaganacn angacctttn aacntntttn nactgggtatt      300
nngtaaatcc atccttnanc ananncatnn tnnagttcng accaacaann nntngatnnc      360
cntgnaaaan ntgnttnatn agggaaatcc agcgatctat tgnttnatng cgancctttt      420
ntgannccaa taancaggnn aaccacttcc atggnttcg tnaaatnctn aaggntcggg      480
gngaannatt cngagngtct ncaataactcn gncntagagn tattccatgn ccccagnac      540
ctaaatcttt ggccctttaa gcatagggaa tttccccacc nnccttaat gctagccatt      600
ntctgtttca tncncaaat ttgnacttcc cataaccact tccaaganaa ananttttnc      660
ncggcggaac tntacttgga aaacctnnc gagttcccta angaagaagn ncctaacccc      720
ccattnaaaa ttgacgtncg gattttgntc canccgtttt gancaannng gnaacccttc      780
cggac                                                                    785

```

<210> 2984

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(798)

<223> n = A,T,C or G

<400> 2984

```

gcaatgcngt ctttgaatcc cgtttntaaa tccctctgtt tgcaggatcc catcgattcg      60
aattccaatt ccacattttc aagaaataag gaggcaaaaa ttttcatata tgaattggaa      120
ttatttgttt tcttattagg ccgagatgcy ccgcgtgcgg ctgctggaga tggcggacgc      180
gatggatatg ttctgccaag ggttggtttg cgcattcaca gttctccgca agaattgatt      240
ggctccaatt cttggagtgg tgaagaaaga aaaaagtga actagatttg gtctgatgca      300
nttacagatt tacaaactgt gccccaccc tctgcagac acctccact cctcattctt      360
gagggattag ggatggaggc catgcttctg tatcgacttc atgctgacca gggtcactga      420
gtccctaaa gtgagaggaa tgaactctt gggcttctga gttcaaatga gttctggggt      480
cactggagt agottgaag gctggtattg gtgtaataca ngctgaangt ggaagtgttg      540
gaacctgaag gacaacagc tnaccatcca tttaataaaa taagggccca aaagttagca      600
naaccagtgg ccacnaaggg gccccagcag aaggaaanaa accnnggtga aggtgccggg      660
ataatnggac ctcgantgcc tttttaaatt ctcaannngg tttggccccg gggtccaaat      720
gggtttaac gnccttgga atttccagcc nnaaagaaaa aaccccnnaa ggccaagggt      780
ggaatccntt aangggcc                                                                    798

```

<210> 2985

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 2985

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gcaatgcttg gnnanatnnn aggtcttga tncatcgnt tgatcnacc catcgnttcg      60
aattcggcac gaggttacct gtgtatgact gaagtacata ttcgttatct gcgtgagaca      120
gtacagattg gtgtatagta ttttacagcc acttcattat atgctatttc cgtgtactgg      180
caaaaaagag aataaaactt cctaggatat aagtacctac tgctgttttg gtgcatgtcc      240

```

```

agttaggctt ttctcttttt atttgtttgt gtacctgtaa ctccatataa gcatatataa 300
tcatgttaca tatgtttaaa aggcgtcatt ttgcaatgca gttttatcac tagttttttc 360
tctgtcaagg gatgtataaa aatggatcac aaatctaaat ttaaaactat anaacttagg 420
agagaatctt tgtgatcttg gattaaacaa agatttggtta gataagatac agaaagtatg 480
aacaacataa gaaaaaagtc tatagtttaa acttttttat attcagtttt gcttttcaaa 540
atataccttt aangaaatgg tctgggtaag gtgggctcac acctgtnatc ccagcacttt 600
tgaaaggctt gangtgggaa gtttggcttg aggctaggaa gttcangacc cagnctgggc 660
accatagcaa gganggtctt ttacacacac acaccacnac ncacacacac ncacacacna 720
nacaccgcan cccaggtngc ntttgaaaga actggctttt tacacacccc cac 773

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<210> 2986

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 2986

```

gcaatgcttg gnnanatnnn aggctcttga tcncatcgnt tgatcnaccc catcgnttcg 60
aattcggcac gaggttacct gtgtatgact gaagtacata ttcgttatct gcgtgagaca 120
gtacagattg gtgtatagta ttttacagcc acttcattat atgctatttc cgtgtactgg 180
caaaaaagag aataaaactt cctaggatat aagtacctac tgctgttttg gtgcatgtcc 240
agttaggctt ttctcttttt atttgtttgt gtacctgtaa ctccatataa gcatatataa 300
tcatgttaca tatgtttaaa aggcgtcatt ttgcaatgca gttttatcac tagttttttc 360
tctgtcaagg gatgtataaa aatggatcac aaatctaaat ttaaaactat anaacttagg 420
agagaatctt tgtgatcttg gattaaacaa agatttggtta gataagatac agaaagtatg 480
aacaacataa gaaaaaagtc tatagtttaa acttttttat attcagtttt gcttttcaaa 540
atataccttt aangaaatgg tctgggtaag gtgggctcac acctgtnatc ccagcacttt 600
tgaaaggctt gangtgggaa gtttggcttg aggctaggaa gttcangacc cagnctgggc 660
accatagcaa gganggtctt ttacacacac acaccacnac ncacacacac ncacacacna 720
nacaccgcan cccaggtngc ntttgaaaga actggctttt tacacacccc cac 773

```

<210> 2987

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(851)

<223> n = A,T,C or G

<400> 2987

```

tcaatnnnta gggncngggn tncctntttn ntgggccagg gcantacccc cnattccgcg 60
ttattccgga aaattttccg ngacctaccg tagggntttc acacctgggn ggttgatgga 120
accttggaaa gcttgcnata atacctgcat taccctcgca gtnggtagta cangacacca 180
tgatatgtgc cgacatgagt cattttacag cccacttcat tatatgctat tgtccagcgt 240
gctggcaaaag actagacata aaacttgact cgatctnagt ncctactgct ncacttgggtg 300
catantcatg ncggctctgc natcaagnta atgcatgagn accntcact ccataatnntc 360
nmatanacac ntgttgact gcttcanagg ctntntatgg gctaagcaca aacatgctng 420
aagggaatct gacgaatgac tgtttanaat gggatcgag tatntaagta ttagggactg 480
aacctnttag tgggagtaat ctttgtgatg catggatgta aacagcnaat ctgggtaata 540
ganacanaag agtgtgaacc gcattgtata aantgtntat aggttaaaact tttntatatt 600

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cagttttgct	tttcaaaata	tacctttaag	gaaatggtct	gggtaangtg	gctcacacct	660
gtaatccac	actttnaana	ngcttnangt	gggaangttg	gctttgaggc	taggagttca	720
ngaccagcct	gggcaacctt	mncaagantg	ggcttttaca	caacacnnct	ccacacacac	780
ncnnactnca	nanacacacg	cngnccagg	tancattanc	nanganttgn	nttttttacc	840
ccnncnncn	c					851

<210> 2988

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (851)

<223> n = A,T,C or G

<400> 2988

tcaatnnnta	gggncnggn	tnctntttt	ntgggccagg	gcantacccc	cnattccgcg	60
ttattccgga	aaattttccg	ngacctaccg	tagggntttc	acacctgggn	ggttgatgga	120
accttgga	gcttgcna	atactgcat	tatcctcgca	gtnggtagta	cangacacca	180
tgatatgtgc	cgacatgagt	cattttacag	cccacttcat	tatatgctat	tgtccagcgt	240
gctggcaaa	actagacata	aaacttgact	cgatctnagt	ncctactgct	ncacttggtg	300
catantcatg	ncggctctgc	natcaagnta	atgcatgagn	accntcact	ccatatnntc	360
nnatancaac	ntgttgca	gcttcanagg	ctntntatgg	gctaagcaca	aacatgctng	420
aagggaatct	gacgaatgac	tgtttanaat	gggatcgag	tatntaagta	ttagggactg	480
aacctnttag	tgggagta	ctttgtgatg	catggatgta	aacagcnaat	ctgggtaata	540
ganacanaag	agtgtgaacc	gcattgtata	aantgtntat	aggttaaact	ttntatatt	600
cagttttgct	tttcaaaata	tacctttaag	gaaatggtct	gggtaangtg	gctcacacct	660
gtaatccac	actttnaana	ngcttnangt	gggaangttg	gctttgaggc	taggagttca	720
ngaccagcct	gggcaacctt	mncaagantg	ggcttttaca	caacacnnct	ccacacacac	780
ncnnactnca	nanacacacg	cngnccagg	tancattanc	nanganttgn	nttttttacc	840
ccnncnncn	c					851

<210> 2989

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (744)

<223> n = A,T,C or G

<400> 2989

gaanctttga	tccctttctn	gttctttttg	caggatccca	tcgattcgaa	ttcggcacga	60
gggcaggcac	tggagagcca	gggtggttca	gnngcagctc	ctctgagcag	ggagtcaa	120
agggtgaaa	cagacaccag	ctctccagga	ccagctgctc	caggaatcaa	cctctaccct	180
gaaccaggtc	cctgaggacc	accacgtggc	tgcaacacag	caggagttca	cagtccagag	240
gagaagcccc	atgctgaaca	gagaatcaca	tccgtgagca	acacaaaagg	tctcaatcaa	300
aaacctctga	aagccactgg	cctagagtta	gaggaagagt	tagccatgag	aaatggtggt	360
gacacagggt	ccaaaagaag	aaacaatagg	tatcaggctc	agagatgaaa	gggctagaag	420
gaggacacac	cangttcaag	gtctggcctt	tctcgagggc	agtggggagc	catgggagga	480
gcctggacct	gtggccttcc	tgcttcacct	gggcctnaac	cogtnacgac	cactggcct	540
ttgaggtgta	tctcgtttct	catcataaga	gctctttcgc	tcgtgtngaa	ctgggaantg	600
gccgtcattg	gtcgcgcata	cctaaacttg	gtcagggcag	aatgattgct	agtnaccacg	660
tgaagcagga	aaccccgcca	ttaacttgca	gaatgagttg	gtgangcttg	aaataaatgg	720

tggaacatn gtggcaatct ttta

744

<210> 2990

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 2990

gannntntnn	annaatgctn	ggctactngt	tctntntgca	ggatcccatc	gattcgaatt	60
cggcacgaga	acacttacag	cctatatgtt	aactttctct	ctgggatata	gaaagtatca	120
gcctaacatt	gatgtgcaag	agtctatcca	ttttttggag	tctgaattca	gtagaggaat	180
ttcagacaat	tatactct	cccttataac	ttatgcattg	tcatacagtg	ggagtcctaa	240
agcgaaggaa	gctttgaata	tgctgacttg	gagagcagaa	caagaagggtg	gcatgcaatt	300
ctgggtgtca	tcagagtcca	aactttctga	ctcctggcag	ccacgctccc	tggatattga	360
agttgcagcc	tctgcactgc	tctcacactt	cttacaattt	cagacttctg	agggatccc	420
aattatgagg	tggctaagca	ggcaaagaaa	tagcttgggt	ggttttgcac	ctactcagga	480
taccactgtg	gctttaaagg	ctctgtctga	atgtgcagcc	ctaataaatc	agaaaggaca	540
aatatccaag	tgaccgtgac	ggggcctagc	tcaccaagtc	ctgtaaagtt	tctgattgac	600
acacacaacc	gcttacttct	tcagacagca	aaacttgctg	tggtacacca	atggcagtta	660
atatttncgc	aaatgggttt	ggatttgcta	tttggcactc	aatggtggat	ataatgggaa	720
ngcttttggg	ncttttaaaa	nacaaaa				747

<210> 2991

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(756)

<223> n = A,T,C or G

<400> 2991

ttntttcna	atatcangct	acttgttctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgaggcatc	ctgtccttgg	gaaccctttc	tcattctcca	agcctgggtc	gctgcctgca	120
caggcagagg	tgccctcagc	ccagggttagc	aacactcata	gttttgccaa	ttaccagtag	180
acactagtgg	aaccatctaa	ctggaacttc	ctctctcctt	ccacttatct	cctcaaactt	240
gttgctttac	actagacaca	tgcaaagtga	tgtttttaac	acacaaaaac	agatcatgcc	300
aaatgagttg	cctgtcaaag	gctggagggc	aggaggaggg	cctgggtttg	ggttctttcc	360
tcccagcctt	tggatggtgc	cttgggcccc	ttagccccag	cgccagggcc	tcccagctga	420
ggccacagga	aagcactttt	ttatgatgta	ctaaaagcca	cagtatgtgg	caactgcaaa	480
aggatcagga	atttanggtg	tgatctcggt	cacgtgtccc	ggcgctgag	gggaaaggaa	540
gcgggcatga	ttgtagacaa	tgaggggggt	ctcttgatgt	aatgaaatgc	aattttatgg	600
tttgggtgca	aaactctatt	ttccagtaaa	ttacttttat	ttctnaagca	tatttttgat	660
ttgccatcaa	gaagcaataa	agcattaaat	ctttaaaaaa	aaaaannnnn	nnnnnnnnnn	720
nnnnnnnnnaa	aaaaaacttn	gagccttttt	naactt			756

<210> 2992

<211> 824

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(824)
 <223> n = A,T,C or G

<400> 2992

gcttccttcc	aattacctng	tgggctactg	gtncnnggnt	ntatctgcag	gtatcccatg	60
cgnttcgaat	tcggcacgag	gagactccag	gctgagctgg	ctgaccgacc	caatccccct	120
acccgccctc	tgcccgctga	cccggtggtg	agaancccg	aggtaacngt	gggggggagag	180
caaaaaacac	atgaaaaaat	gctcatcatc	actggccatc	agagaaatgc	aaatcaaaac	240
cacaatgaga	taccatctca	caccagttag	aatggcaatc	atagagcttt	tcatttatct	300
gagtgttttc	ctctgcttgt	cgggacttgt	gctttcacga	gctcctgctc	tcatatcagg	360
ggagtgaata	attgaatttg	gatagttttt	tggtttttag	ttggaacact	ccttttctctg	420
tggaacgtct	atagaaaaaa	tgagtcaaac	aganaatatn	caggggaggc	aactctgaat	480
gcttccatgg	ctacatacat	acctgtttct	ttgatttgct	aaaccctaan	ttaaaaggaa	540
agtactgtct	aaaatanggg	agaaaattcc	ctatatattat	acccatcatt	ttgagtnttt	600
tacaattggg	antggtttnn	gtattattaa	attggtcaaa	aaaaggtttn	aaaacaanga	660
cttncnttaa	aatttaagaa	aggggnaaaa	cttttttttt	ttaantggat	tgggaaaata	720
gggggcttta	aataaaaaact	ttnaattntc	cttntaactn	ccttttaaan	atttttgnna	780
attanaactt	ttgaactgnt	tcnaanaant	ttgntncatn	tntc		824

<210> 2993
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(765)
 <223> n = A,T,C or G

<400> 2993

ngnttnnnnn	nnctntgaa	acttctggc	acttcngta	ngaancctc	gattcgaatt	60
cggcacgaga	agaattgtac	gactcttatt	gatgagtga	anttttttct	atagatttga	120
aagtcactac	taatcatgac	tagctgatta	taataattga	gagtaaaactt	tttaaatatt	180
taaatattct	gtgaaagttg	gagcacagta	accattaacc	ctaaatttga	tactatgtcc	240
atatgaattc	agatcataat	agtgtcttat	catgtgaaac	tactaaagga	tgtatagagt	300
taaatattac	gtatccactt	taatgaagaa	taggtattac	acagtaattg	ttgttttaaaa	360
aaatTTTTTT	tatataatat	cagagtttac	ctgatgtgct	tgggcatgca	tagntgtcaa	420
caatgatttg	ctagttgtac	agttttgtat	gctgatcaga	attatcanaa	gtttgtaaag	480
catcttntct	tttgattcat	acatgaaaca	aaaacaattc	tgtgtattct	cagtgttctg	540
gataaaaaaa	ttttaagtg	atatactttt	taggaaatat	gacagatgct	tgtcataata	600
caaaaatatn	ttactttttt	attatgtcca	tttctatggg	gagaggaaac	ntancccgga	660
aggaaggaag	aatanggatt	ggaaaacatt	tggtacttta	cctgcaactc	atcctntggac	720
aacangccat	gtgcacattt	acacccatgc	cccatatacc	ncatg		765

<210> 2994
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(766)
 <223> n = A,T,C or G

<400> 2994

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cagactgtag	aagcagaagg	nmccatnccc	gatgnttngn	ttttggtgcn	aaggaccgnc	120
cnmnttagnc	nctgtccctg	atatgacgcc	gcaatgccng	angaancnca	cccaanacga	180
cangcttgtc	nagataagcn	cgcacagggg	gcangcagna	ctgctgcagn	tgccgcagcc	240
gcancaccc	tacaggganc	tgcaacaaaa	tggacaaacc	acancanatg	cngaggagaa	300
tggagcccat	acnataccia	ataaccatac	ngatatgagg	gaagtggatg	gggatgttga	360
aatcccnct	aatnagcag	ccgtgtannn	gggccatgaa	tctgaaactc	tatcaagngc	420
ctgcancncc	ggtagcganc	tcctagcgnc	atggnctggn	gactcaacan	cangnatatg	480
gaancttaag	cgagaacanc	ancagnggct	ctacanagcc	gtactnagan	atngtatncc	540
acanggangg	cangangtnc	caagcnacaa	ngangtnana	ncngtanacg	ggaannaana	600
anggcacatt	ntggccaccn	gggccctatg	angggaaacc	ccngaatacg	gactaaagaa	660
ggnaaacctc	ctaaccanct	tangggcaca	ttaaagccct	ttattcncat	taaaaaggna	720
atnccaaagg	aaatttncaa	cccaagcncc	cggccgngn	naaaat		766

<210> 2995

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(746)

<223> n = A,T,C or G

<400> 2995

cnttttgatt	tcnctttggc	naccncctct	ttntgcagga	tcccatcgat	tcgaattcgg	60
cacgaggaga	atactttata	cttctcagct	ttttttgtat	ttgactgtga	cctggttata	120
ccatttgcca	ctgtgaggct	tagctgtgca	tctgtgaatg	ggagattggt	cttagagatt	180
ggcatagtt	gtccacctgc	ctcggaaact	gcaggtacaa	atgcagcagc	aaagtattta	240
cattcttact	tcagggctga	tctcctattt	ctatcagtc	ttttgaaggc	anagaatgtt	300
aatttggaac	aacctgcata	tttattcaaa	tttcagaga	gatgaaactt	tcagaatgct	360
gtgctgcagc	gccccctagt	gccngctgt	actgatagtc	cccagcgtct	cctgaagccg	420
aaagtgggtg	tccccgcagt	tccggcgagg	gagctgtagc	cagcaggttg	tgcaagtga	480
cccttagacat	cttttctctt	tctcgccttc	cttgggctga	gatggaggaa	tgtgtcttta	540
ttgctgaagg	caaggtcttt	gtttttcctt	tagcaggaac	actggttttc	ccacttcgnt	600
aacctttgcc	caaggtttct	caactcaagc	cccctgaggg	cgtagtggcc	ttcacacacc	660
tccagaaggt	aaactgacca	gcttanccaa	caggetatgc	tttaaggang	aagggctctt	720
tggttcccat	cctgctgggg	ggggggg				746

<210> 2996

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(739)

<223> n = A,T,C or G

<400> 2996

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cccaggctgg	tcttgaactc	ctcagctttt	acttttagctt	cccagtgtgt	tgggattaca	120
ggcatgagcc	acaatacctg	gccaagtcct	tttttttaat	caaatgactt	attaatacac	180
agtttctttg	ccagcttttg	ttttcatttg	ctatcaaaaa	tgttgcttag	tagtgctttg	240
atctgagtta	tcaataacag	gtaaaagcca	ttatggataa	taattcaaaa	agaagcttat	300

taattattag	gcctatctga	gagtgaagta	aagttagcat	tttctttttg	tttattttac	360
ttattgttta	tttgtttaga	gacagggctc	cgctgtgttg	cccaagttgg	agtgcagtgg	420
tgctgtcata	actcattgca	gtctcaggct	ggagtgtacc	tcccatctca	ccctcctgag	480
taggtgggat	tagcatatgc	cacccatgcct	ggctaattct	tttatttttt	aatttttttg	540
tggagatggg	gtcttgccgt	gttcangttg	gtttcaaact	cctgggctca	acggccttggc	600
ctccaagggtg	ctaggattac	aggtgtgagc	taccatgccc	agctgagcat	ttttaaaaaa	660
tactgggctt	tgacatgagt	cgttactatt	ggatctaacc	ttatgactga	tatccctaaa	720
aatattataa	aatttaagg					739

<210> 2997

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(748)

<223> n = A,T,C or G

<400> 2997

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gagcaaccct	agcaatagac	tgactctact	acaaaacaat	ttgggttattt	ctcttactat	120
ttctctatta	tatctgttga	gggaatgtta	tcatgagcac	aggtattagt	cctatgcttt	180
taatcgggtt	agtgggtttc	ttgtgtctca	ttttattcat	ttgtaatttt	tttaaagact	240
ataaaaacttc	cacagtttct	ttagatcatt	aagttatatg	actctttttc	atgggggtca	300
gttaacaata	cataagaaaa	catttgttct	aggataatat	atgacctaac	agtcttttgt	360
tagacttaga	gatatacaata	tgctttctat	gtttcaggca	tattttatat	tcctggaaat	420
taaacaatat	attttaggac	cccataccat	gtgctctcag	taggaacgac	acaaatcagt	480
gatcatattc	tagtgttctt	ttataggaaa	tgtaaaccta	tgtcattaca	ttgttagtac	540
aactgacagt	gaaatattta	aaaaatctnt	gtcagccaac	aataatcata	cttcaaataa	600
gccttatgat	atgtgatatc	acattgggtga	gtgaattttg	gtcaaggcag	tanaatggag	660
tcactaagag	gacagtngga	caagctgtct	gagtttcaat	cccagctntg	gtactcacta	720
ntggngacat	ctttgggcca	atttactt				748

<210> 2998

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 2998

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acgagaccat	gttgcccagt	ctgggtctagt	ctgttttaac	aagttgttgc	tgtgtaatga	120
tatatgtgtg	gtgttaattt	gcttggtcct	aagtttaaat	gaggtagagc	attttatgac	180
atgctgttgc	tagtcttttg	cttatttttc	taattgcctt	ttctttttct	taataatttc	240
agttcttcat	atgttcagca	tactagtcct	ttgtcaattt	acatgtattg	aatatatata	300
ctctcccatt	ctgcggctta	ttgttccatt	cttcagtaac	atttgtaatt	ttaatgtcct	360
atntagacct	ttcctctgtc	tattgtttta	tattttgtat	taaaggagtc	attcattact	420
ccaagatcat	gaagattttc	ttgtatgtaa	tcatgtaatc	ttcttaaaag	ctttatggct	480
tttgcttttt	tttttttttt	ttaagagtct	tggtgtgtct	ccaaagctgg	agtgcantgg	540
cacaatcaca	gctcactgca	gcctcagcct	ccctggccca	agtgaccttc	cacctnacct	600
tctgagctgg	gactatagcc	atgcaccacc	atgcccagca	aattttttatt	ttttgaagag	660

cccgattcac tggggttgcc cangctgggt tcnaatgccc tgggctcaag tgatcatcct 720
ggcntgggcc tccaaaggct nggga 745

<210> 2999
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 2999
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ttcgaattcg gcacgagctc cgatctcctg acctcgtgat ccgccnnctt cggcctcccc 120
gggtgctggg attacaggcg tgagccaccg cgctgggcct ggatcaaate tttatccatg 180
cacattggaa cacaggatta ctgggtngaa atcatnctag ttttgcatt tagatacttg 240
tagatgaate tatttttagca canggtataa ataactcggg aggtcatctc tatcttnttt 300
ncttttgtgc atntggctat accacgttta ggtactaaaa cagctttgct tatgttggcc 360
angggaaaac atgggnattct gtgcgcaaag ctaatgatcn ncagccctgc cttggccctt 420
cccttgntta tggtcattgn aagatgcccg catgttaagg ctannnctgt cactgggctg 480
ggtgtaatac ccgatnnatt cctgcngcna ncctctnacc cgaaacatga anggcactgg 540
gctctattga gatctcgata ngatcatcat tntnaactng tnttcnactg agggangtaa 600
acatgatate tgggtgctgg tggattgaga cctcaagcat caattcaaaa gtgctggcaa 660
naatatgcac ttatntnntt ntgcactctg gctaagtgtg ngctctgatg ccantttata 720
agttgggnaca ttctggggaa aaatggtncna ttttnaa 757

<210> 3000
<211> 860
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(860)
<223> n = A,T,C or G

<400> 3000
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gggagcggcg gggcccttgg agagacgggg ggcgcaaccg ggacgacnct ctgngaccgg 180
ntacggggac tgcgcccgtg ggcgccggnn ccaggacgag ctaacagctt tgcttcgcct 240
gacggtgggc accggtgggc nagaagccng ancccgcggn gaaccctngg ggattgagcc 300
gtcgggtctg cangagccac caggnccttt cgttcgggag gccgaccggg cccggatgcy 360
ggagccagag gccaggaggg actacttcgg aatcatgctc acatgggtccc cntngcacgg 420
agccctctgc caagccagat ctttttcttc atncttggaa gtctgcagtg gagagaaatc 480
attctataac tgaacagctc gtttgactga tgggaaaact gaagtccan agacgatntc 540
tgggectacc tggttttctc tagaaaagta ttttcaagtc tggttgcttg aaccacctgt 600
gggacntggg gatttttttg aancggnnca attccttaca acacntggna accnnnganna 660
accnnttacc ccttttggcc ctgggtnggtt aannnnnttt tttcttcccc ccaaaccng 720
gnaaaaacct tnaagggcnn ttccctggnaa ttggcccaag ggggganccc aattaanctt 780
tttcnnaact ttttttttcc cccaanggtt ttcccccttt taaggggnaa annnggggnt 840
ngnccctgan nggttttana 860

<210> 3001

<211> 860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(860)
 <223> n = A,T,C or G

<400> 3001
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 gggagcggcg gggcccttgg agagacgggg ggcgaaccc ggacgaacnt ctgngaccgg 180
 ntacggggac tgcgcgtgg gcgcccggnn ccaggacgag ctaacagctt tgcttcgcct 240
 gacggtgggc accggtgggc nagaagccng ancccgcggn gaaccctngg ggattgagcc 300
 gtccgggtctg cangagccac caggnccttt cgttcgggag gccgaccggg cccggatgag 360
 ggagccagag gccagggagg actacttcgg aatcatgttc acatgggtccc ctntgcacgg 420
 agccctctgc caagccagat ccttttcttc atncttgga gtctgcagt gagagaaatc 480
 attctataac tgaacagctc gtttgactga tgggaaaact gaagtccan agacgatntc 540
 tgggcctacc tggttttctc tagaaaagta ttttcaagtc tggttgcttg aaccacctgt 600
 gggacntggg gatttttttg aancggnnca attccttaca acacntggna accnnganna 660
 accnnttacc cctttggccc ctggtnggtt aannnnnttt tttcttcccc ccaaaccng 720
 gnaaaaacct tnaagggcnn ttcttgnaa ttggcccaag ggggganccc aattaanctt 780
 tttcnnaact ttttttttc cccaanggtt ttcccccttt taaggggnaa anngggggnt 840
 ngnccttgan nggttttana 860

<210> 3002
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(764)
 <223> n = A, T, C or G

<400> 3002
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 acgaggccgc cactcgtatc ccccgccct ttncagnntt ggagctctag ccggggccgg 120
 agtgggagcg gcggggccct tggagagacg gggggcgcaa cccggacgac actctgtgac 180
 cggtacggg gactgcgccg tgggcgcccg gtaccaggac gagctaacag ctttgcttcg 240
 cctgacggtg ggcaccggtg ggcgagaagc cggagcccg gcgagaaccct nggggattga 300
 gccnccgggt ctgcaggagc caccagggtc ttctgttcgg gaggccgccc gggcccgat 360
 gcgggagcca gaggccagg aggactactt cggaatcatg ctacatggg cccctctgca 420
 cggagccctc tgccaagcca gatccttttc tccatccttg gaagtctgca atggagagaa 480
 atcattctat aactgaacag ctcgtttgac tgatgggaaa ctgaagtcac agagacgatt 540
 tctgggccta ncctgcttct tctagaaagn attttcaaag tctgcttggt gagcaccttg 600
 tggactggca atntttgacc ggtcactcta cactactgnaa caagagatca taccttggt 660
 gnggtagcct tttnttccca acagaaacta aancatntga atgcccggga ccatatcttt 720
 gaattttttc aaggttcctt aaggaagngg gngcctgggg tnaa 764

<210> 3003
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (764)
 <223> n = A,T,C or G

<400> 3003
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 agtgggagcg gcggggccct tggagagacg gggggcgcaa cccggacgac actctgtgac 180
 cggctacggg gactgcgcgc tgggcgcccgt gtaccaggac gagctaacag ctttgcttcg 240
 cctgacgggt ggacccgggt ggcgagaagc cggagcccgc ggagaaccct nggggattga 300
 gccgcgggt ctgcaggagc caccagggtc ttctgttcgc gaggcggccc gggcccggt 360
 gcgggagcca gagggcaggg aggactactt cggaatcatg ctacatggg cccctctgca 420
 cggagccctc tgccaagcca gatccttttc tccatccttg gaagtctgca atggagagaa 480
 atcattctat aactgaacag ctgcgtttgac tgatgggaaa ctgaagtccc agagacgatt 540
 tctgggccta ncctgctttc tctagaaagn attttcaaag tctgcttggt gagcaccttg 600
 tggactggca atntttgacc ggtcatccta cactactgnaa caagagatca taccttgggt 660
 gnggtagcct tttnttccca acagaaacta aancatntga atgcccggga ccatatcttt 720
 gaattttttc aagggtccct aaggaagnng gngcctgggg tnaa 764

<210> 3004
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (751)
 <223> n = A,T,C or G

<400> 3004
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 gcctagtgtc cctcagttac acaatagtgt ntncctctt ggtaggacag tctactactg 120
 agtcctcctg gcatgagtcg agctgagatt aggatagggt aatgaccctt cagttttggg 180
 gaagggacca gagctcggcc agtgagaagc ttccagctcc gtctcgccat atccaggctg 240
 ctgagggtcc tgggctctgt ccttaaacct catcactgac atgaccacgc aaacctcctc 300
 aagaggaaaa agtccccttg ggtcaaacac agcttgtgca gttctcgggg acctcctcct 360
 gccatcctgg ggatgctgtg gagaatggag atgcacaggg ggctttgtcc tctcctctgc 420
 cttttggaga aaatatttca ctcaaggcaa acgcagcctg agggcagcac aggggacccc 480
 aaggctcact gcgcatttct agtcgcccc aaacgcgtgg gtttccctcc tgggtcctc 540
 gtgggtgcct ttgctcattc tcatcctcct gttctcatnc agtctgccc gtctgaccgg 600
 cttccancag catccggcca aaagtctctn ccatgacagc aggaaccacc tnagacaata 660
 catgatggac angcctgctg ngttccaata gaaccccgan ttaattaanc ccgaccttcc 720
 ttttanctgg atactggtaa tgacagggt c 751

<210> 3005
 <211> 792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (792)
 <223> n = A,T,C or G

<400> 3005

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gnnnnnnnnnt ntatanatac angctacttg ttctttttgc aggatcccat cgattcgaat      60
tcggcacgag cctcatcagc aagccagtga gaggggtgcct atccgaggat gatattccat      120
cacctntgtc agattctgct tactagtcag nccccaggcc caggccactc gcaaggggag      180
gacattacag gaggcgtgag tataggtggt gtgatctgtg gggaccgtcg cagaggctgn      240
ccancacaag ggggttaaaac ctataaaact tcgaagtggg atttaataat tntcaattac      300
taggaaatag ataaaaacaa attttctgtc cttcacanaa cactaaagta tgtattggat      360
ttntatccc ccctgaattt tgctgtgtgn gtgcttccca gttgaagcag taattcaggt      420
tcattaatgt ttacttcaaa gccgaattgg agncttgact nacacagttc aacgctcttt      480
tcagtaacan tntcaaattc ctttacgggt atttnttgcc acataacaca ctatcctaaa      540
atgctggggc ttaaaagcagn caccactgtg tttgcttata atgctgnga tcagcattta      600
nggctgnct cgngntgggc cgnttttcat gtgaattagc ttcttgggcn ttaacttcgt      660
gtggggtctn gcccntnggt cttgntgggc naacttggga caattcccag ggggaccctt      720
tgggaatggn ccttngaaa ttncggaaa ccgtgggnt ttncccaan ccaaantttg      780
nnaaccagg gg                                     792

```

<210> 3006

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(728)

<223> n = A,T,C or G

<400> 3006

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cncntnaact cnaaaacttt ccgcccncnn ngcangacce atcgatncca attcggnacg      60
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tatngcnetg ttngcntgaa ncacacncac ctacncngcn ggaacaagc aggntgntgc      180
ttacttgcc ttcccaggca gaagtggcca gagnccgggc ngaaaggatc caccaacanc      240
cncnratnca tgatngcann tgnncmntnn tggnaangnc ancaaaagcn cacttgctgg      300
tgaaggtgcy ngangnngn ncaaacnct ttnacncca nnagaaccna atnctttaac      360
gggnacaaat ggggctgctc acgctctgga ccntccccg gaagactctg aanagnnggc      420
tcnttttcgg gttgtgcact ggtgcttgn gctgcaaac ccnacaaac tgaaaataca      480
gaatggnttc acgtatanag ncacannca caantgccc actacagccc ntganccgaat      540
gnaancactt gcncatatta cntgacnctg gannacaaac tntgaaaant actctctgnc      600
ctgggnngcc atnaattctg ccacctgnag atnccccatt attncttaat aacngaaaac      660
agngcttgcc tccgatagtt aangcgggtg ccnctaagcn ttaacgnttc gcaanattnn      720
tcagatta                                     728

```

<210> 3007

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 3007

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gangtgctnt ntctttttga ggatcccatc gattcgaatt cggcacgagg agcggggagg      60
cgagcatgag cccccgagcc ggccctgtgg cctcctggat gaggatggga gtgagccctt      120
ccctgggccc agaggggagg tccctggagg cagcgtcac tatggggggc cctcccctga      180
gaagaaggca aaaagtccct ctgggggcag ctcccttgcc aaggggccggg ctagcaagaa      240
acagcagctc ctagccacag cggcccacaa ggattctcag agcatcgccc gcttcttctg      300

```

ccgaaggggtg	gaaagcccag	ctctgctggc	atcagcccca	gaggcagaag	gtgcctgccc	360
ctcctgtgag	ggggttcagg	gacccccgat	ggccccagag	aagtacacag	gggaggaaga	420
tggagccggg	ggacattcgc	ctgccccttc	ccagactgag	gagtgcctca	gggagaggcc	480
aagcacctgc	ccgcccagag	accagggcac	ccctgaagtc	acccaccctt	gcaaaggaca	540
catggaangg	caagcnggct	cgatcccagc	aggagaacct	agagagccag	cctnaagaag	600
aggcacgccc	cttaacccaa	cccttcgctg	tancttgagg	tcaaaggcaa	cgtnttcggn	660
canccgaaac	anggcacctt	gnattccaac	ggnttnaaga	accnttnca	ctttccggt	720
tcttggcgtn	ttccttgaag	gaaggttcaa	an			752

<210> 3008

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(720)

<223> n = A,T,C or G

<400> 3008

gnntcttcga	tcagctcttg	ttctttttgc	aggatcccat	cgattcgtgt	attcagaaga	60
aagcaaggat	agaatgagta	taactcttta	aaatctggag	gcaaaattgg	ctgtgagttg	120
ccatggagat	aggagcaatg	gatgtccaag	gtctgaggaa	atagaaactg	ttcgaataaa	180
ttgcagagaa	agcttgccaa	cggtgataag	taggtttgtc	tagcagcact	gatgcgtcgt	240
ggaagtgtat	ggatcatgaac	atacagtgtg	ataacctatc	tgcctctctg	accttttcta	300
gtagtgtat	gtcatttttg	tactaaggta	ggtgaatttt	ccaagtgttc	ttggaataaa	360
ggaaacatca	agaataatgt	aaaagcctca	tatacaataa	tgaataataa	agaataatgt	420
gaaggcttca	ttcaagggtg	gggtttgcc	gatacattgc	aacaaaatga	cagagcagcc	480
aaaggtattta	ggatagtggc	caaagtattg	taatgatggc	ttatggagtg	tcagctggat	540
aaagagtga	aatgaataaa	aactaatgga	ttgttcagtc	gaatagcaga	tggtaacaatg	600
gtacatggcc	agtagaatag	gggcccata	aattgaagac	catcagagtg	gagtataaat	660
ccacaagtgg	atgcagggat	cnagccaagt	cgatgacatg	catgttgcta	tgtggacaga	720

<210> 3009

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(748)

<223> n = A,T,C or G

<400> 3009

gnnnnttnna	tcagctcttg	ttctttttgc	aggatccctc	gattcgaatt	cggcacgagg	60
aaggaagaaa	atttgggact	ttgttttaaa	agtggaaatac	tatcttctta	aacaacttgt	120
gtttaaaaca	agccccaatc	cacacttgat	cttcttaagc	taggaaaagt	gagctcacac	180
tgagtgtctg	caggatgctc	catgtgcac	attatcttgt	ttaattctca	caataactct	240
ctaaatccct	tttgaggata	aggagactgg	ggctgggaga	agttatttca	aggagtaaat	300
aaaaaattca	gaccacttg	ggttttatgc	caaaggctct	gtttttacaa	atacacaata	360
ttgttgccca	gttgatga	aacataattt	atgaatttca	ctgagggaat	ttcgcaaaag	420
gaaagaattt	acttttccct	ctaaagcaga	ggcttttcat	atgcaactgt	taaaagacac	480
acgagcttgt	gggtctgatg	ggtggtctga	gctgttgctg	ttgggagagc	tgctgggaca	540
ctagcaggaa	gacgtagttt	gtgctcantg	gccaaaggatg	gcgccccgt	aaggcaacca	600
gatccggact	acgcagtgtt	ttccaggctg	gaggtgccct	nctcaactgt	cttacaaggt	660
tcccaagca	gccacccaaa	tctggctgct	ccttatgccc	aatggattt	ggcaggaaaa	720

aaggccaatt gggcaancag angcccaa

748

<210> 3010

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 3010

gnttctaattg	ctnggctctc	gttctttntg	caggatccca	tcgattcgct	taggggaagg	60
aaatgaaggt	cagctttggg	tatactagt	taagggtgcc	atgagacatt	cagataaaaa	120
ccagccacca	ggcatatgga	gataacaggg	ctgaacttag	gagaaaagcc	tgggttgaaa	180
cagagattcg	gatatacctca	gtatgaaggt	gatagttgaa	actggggact	ggatgaccga	240
aagagatcac	ccagaacacc	agtacagaga	ggagagagct	gaggatggaa	ttttgggaca	300
taggtgcttc	tacagcacat	ggcaccaacc	tctaataatc	acaccacttg	ctattacatt	360
tgatttttga	aagagtagcc	tgcgcagtaa	tgggaggaaa	ctagattgta	tatgttgatg	420
agcaactaga	aacaaagaag	tgcagggccc	tagttgtaga	ctaattgttt	gaaacatttg	480
gctgtgggct	gggcatgggt	gctcatgcct	atagtccag	cacttgggga	ggccaaagta	540
gaggatcact	tgaggccaan	agttcaagac	ccctgggcaa	catagcaaag	cccctgtgtc	600
tatttaaata	aattaaatta	aaatanaaat	cagnaaaacc	cacaaggctc	attattcctt	660
ttccaaaaaa	aaggaaaaaa	aaaagttggc	ttgttgaaaa	agnaaagggg	aaaccnaatn	720
gggccaatng	gctttggaag	aatctttngn	aaatggnttg	naaanacttt	ttgttngggg	780

<210> 3011

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 3011

gnttcaanag	acagctactt	gttctttntg	caggatccca	tcgattcgaa	ttcggcacga	60
gattgtcttg	tgttatgggt	cttcagcatt	ggattcagca	gccagcttcc	tagtacgaag	120
gcaacgatta	cctccacagg	gtcccttcca	ttgtcctcct	gcatcatttt	cctccaactt	180
gaataaatgt	tctaccacc	tttctccttt	atcttctcta	ccccctgtac	cccgtccctt	240
ctcacaatta	actctacagc	agaatgtgaa	ttctctgatt	ttagaataac	tattttatgg	300
taacttcaaa	tatactctag	ttgtatccac	attcagcttg	ggtaggtacc	ttcatagtag	360
ctcatggatt	aattgtccac	tgcacccaat	catagtcatt	tttggtttgg	gttgtcatat	420
gctccccaat	agatgaagaa	gagaataact	cttagccgac	ttcatcagca	ggtagggaga	480
gagtctctga	tggagttata	tttcattatt	cctcacaatt	gcatagtgcc	ctcttacctc	540
aaaaaaaaacc	tttccagggt	ttttcaaagg	aattattttta	ttcctncaca	acaagcctgt	600
gggantcgga	gcaaaaaggca	aaagtgatta	cctgagacat	tagataaactc	gcaatatcac	660
cctggttaac	aactgagggg	cccttgggct	ttgancttct	gntttccgaa	tnanggcttt	720
ttcctgnecat	cntggcataa	tncaanccat	ggcn			754

<210> 3012

<211> 753

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (753)
 <223> n = A,T,C or G

<400> 3012

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cgaggagaaa	gtaaagtccc	tttataatgg	catgtgaacc	agacaattta	gtagccaggg	120
ttgtaaggca	actcttaact	gacaatatag	ttagtatatt	ctgggccttc	atcttcaaaa	180
ttagtaggta	gtattttattg	agtgcataac	atgtgccagg	cctgggtgctg	agtgcctaca	240
atgatcattt	tatatatggg	aaaattgagg	ctcagcaggg	tcaagtgcct	tgtaagaggt	300
agcactagta	agtaacagtg	ctcaaattca	actagggtctt	tcagcttttt	atacaatact	360
gcctgttatc	agaaagtata	gtcttaaaat	ctgctatcaa	gcacttatca	gaagcctgat	420
gagaaatatt	cagatgatct	aacgcagttc	ccaaacctgc	attgtggggc	gttttcatta	480
caattaccta	aggtgcttta	aaaattttct	tgggccctac	tcgttggtgt	tcagcagctg	540
tgtaatggag	caaaaaggaa	tagtcactaa	acagcgaagg	aaagtgggtg	aattattgaa	600
agacctagca	cttacctgct	gggatgagtc	tcttacccca	cagaattgat	ttcaaacaca	660
ggacttatcc	aagataagga	taataaccac	tatcttcttg	ggtnggaaaa	aagtacatta	720
gactgngttt	ttaaaaaatt	tggtatgaat	ttc			753

<210> 3013
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (748)
 <223> n = A,T,C or G

<400> 3013

gnnnnnnnan	ttntcaagct	acttgttctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgagatgac	ttcctagctt	taccgggggt	tttttctgca	ggtggagaag	ggtggagtc	120
tcccagatgg	ttctttcttt	gtccccctaa	cagcctttta	gatgtggcta	cttgtttttc	180
ccaccgttta	acaccctcca	acttcatttg	gagcacggg	tccctcaagg	atcctgagag	240
ctgggtgctg	ggtgctggtt	tggagaggca	ggatgatgct	tctcccggt	ggggagagca	300
gagcaggaag	gctggttggc	gccatgagga	aagagccacg	aggttttagc	tcccgaaccg	360
actcgtcagt	agccccctct	ccatgttggt	tttacatttt	tccctcctgg	tctggactac	420
tttagcgcaa	ggagcccagc	cagacacggc	agcaggccgc	attgaccctg	ctccatcgga	480
ccccagcccc	tatctccaag	agacagagga	ggggtcanga	ggcactgctc	atctgtacat	540
actgnttcct	atgacattac	tggatttaag	aaaacaccat	ggagatgaaa	tgcttttgat	600
tttttttttc	tttttgtact	ttggaaccac	aaaatgaanc	agaacttgac	cctgagctta	660
aataacaaaa	ctgngccaac	tactactggg	gatgccta	atgaatccac	gtgtaaccag	720
ttntaatcct	ttatttttaa	aaaaaaaa				748

<210> 3014
 <211> 835
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (835)
 <223> n = A,T,C or G

<400> 3014

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gcacgaggga agtacaaatt aagatcacag tganttttca ttatccactt gtcacaatgg      120
ctaaaaataaa caatagtggc aataccaagt cctgtgaagg atgtggagaa atggatcact      180
tatacactgc tgggtgggcat gtaaaatggt acaaccagtc tgaaaagcan tttggcagtt      240
tnttataaaa gnnaacatgt aattatatgc tgaggtctga atgtcctcca aaaattcata      300
tgntgacacc caaacctca aggtganggt tttaggaggg taggcccttt gggagattag      360
cttctgagga tggagcccca tgaatgggat tcatgccctt ataaaaaaga anccccagga      420
aacgaccttg cccttcacca tgtnatcaag aatgtgcggn ctatttacga naganncctt      480
gcncaaacac tgaatctgac ggtgccttga nctcggggct ttctgggcct ctnntaacca      540
tgaggaaana aatctcannt gntntataac caacctancc naaggatanc cnggtattaa      600
caggccccac antgngctaa anatggncat attgaacccc accagttanc cacctctttg      660
ggccaatttt atttnccaag gggaaaatgg tnaaaattgg gggnttnatt acccaaaaaa      720
acccttgtnn ccnnnnnaaa angggttcca ntanccantn atnnnaaaan cccntnnggt      780
tnanccccc aanaaacttt tggggaaaac aaannttnnn aaaaanggtt tttnt      835

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<210> 3015

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(764)

<223> n = A,T,C or G

<400> 3015

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ggcctcacgc ttcggggaga ctgcctgtc ctcacgtctg ccgtcattcc agggagccag      120
gccgcggcgg ctggcctgaa ggagggcgac tacatttgtt cagtgaatgg gcagccatgc      180
aggtggtgga gacacgcgga ggtggtgacg gagctgaagg ctgcnggaga ggcgggcgcc      240
agcctgcagg tgggtgcgct gctgccagc tctagactgc ccagcttggg ggaccgccgg      300
ccgctcctgc tgggccccag ggggcttcta aggagccaga gggagcatgg ttgcaagacc      360
ccggcatcca cgtgggccag tccccggccc ctctnaact ggagccgaaa ggcccancag      420
ggcaagactg gaggtgccc ccagccctgt gcccagtgga agccagctcc gcctcatcct      480
tgaagcaacc aggtggcgg tgagggcag gatccctgca cgcctaccc tggcctcaag      540
tggcancaag caccgagcat gcccttccca cccaaaggac cttcnggcaa tgccttgtnc      600
cgcttatgc ttggaagctt gcctnnggca ccttgccctg nccatttaa gactggtcan      660
aacctgaaaa aaaaaaaaaa aaaaacttcg agaaaaggcc cnaacattgg agaatcaaga      720
attntatctt gnaacttgca ttgancctc tttcttaaaa ttnn      764

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<210> 3016

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 3016

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gttattcttt cnaaaaangnt gggntactcg ttctttctnc aggtagccnn tcgattcggt      60
tgtaggcaat ggaaagccac cagtggtttt agttgagcag caatgaaatt aagcctgtgc      120
tttgcaaga ttaatctanc agcnacagat tggaagcaac accaccattc ctggtatcag      180
tccacgtana atatattaca gntctntact ggagcaannn cagtaattat anaaggagaa      240
ataaaannda anaattattg acaggcagaa tggggaggtc ccacngatgg agctgatctt      300

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ggcnattgan	gcatgggtgg	cattnatcat	gtnaaacaca	ggatgaggaa	ctgggttngg	360
agtnatggan	nagttcantt	tacgtaattg	caaatacacn	ctattccctg	actagctncn	420
annacttnat	cttnccctac	ttcttaganc	ttcattatga	agaggtgatg	atagctctta	480
ngntgagagc	tcttacttac	cattgactaa	tacatgttct	cntgatgnaa	ntttgntatt	540
ncaacatcca	tgctaaangg	ggttattnaa	acangnnaac	tctngggccn	gatgaaggnn	600
nancctncat	taactnntca	tgntgnnact	nnatcnaagg	ggccaantt	tnnccttaaa	660
tttttgtaaa	aatttngcca	atgccnaaaa	catatnaatn	ttcncttgca	natgaaaaan	720
tcnccaancc	cnatttnntn	aaacagaang	gttnntgggn	ggaccttttt	an	772

<210> 3017

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 3017

gaagnctct	gttctttttg	caggatccct	cgattcgaat	tcggcacgag	gcgccatgtt	60
aggacgaagg	ggaaggagga	gaagcgctta	aagcggcggg	agcgggtcgg	gagaggggtt	120
ggaccaggg	ctgaggcagg	ccccccctc	cctccgcct	cagtggatca	tgcccagggc	180
ggcagcgcg	gcggttcgg	gggggaagt	actgggcgt	gccggcgccg	gagacgatgc	240
cgtttccagt	tacaacacag	ggatcacaa	aaacacaacc	gncacagaag	cactatggca	300
ttacttctcc	tatcagctta	gcagccccc	aggagactga	ctgcgtactt	acacagaaac	360
taattgagac	attgaaaccc	tttgggggtt	ttgaagagga	agaggaactg	cagcgagga	420
ttttaatttt	gggaaaacta	aataacctgg	taaaagagt	gatacgagaa	atcagtgaaa	480
gcaagaatct	tccacaatct	gtaattgaaa	atggttgagg	aaaaattttt	acatttggat	540
cttacagatt	aggagtgc	acaaaagggt	ctgatattga	tgcttctgt	gttgcaccaa	600
gacatgttga	tcgaaatgac	cttttcacct	cattctatga	taaagttgaa	atttcnngga	660
agaagttaaa	ggattttaaga	gcttggtgna	agangcattt	cgtaccnagt	tattttaaac	720
tctggtttga	tggggattag	aagattggat	attttgt			757

<210> 3018

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (734)

<223> n = A,T,C or G

<400> 3018

nctatnactg	antnccnttc	nngctgcagg	atccctcgat	togaattcng	cacgagggga	60
cactggattc	tcattctact	caaactccca	ctaggactgt	tggcttgttc	gcttctcaag	120
tgtttgatt	tttctgagtt	aatatttttg	ggtgtaattt	acatgtagga	aaatgtacac	180
attttttagtg	tacagttcac	caagcttttg	caagcatgta	tagcctggta	accacaagc	240
caatggagac	ctagaacatt	cccgtgaccc	cagatgctgg	gttctgtgtg	ccttcccagg	300
gcttgtggct	gggcacatca	ggcatggcgg	gtaccatgcc	tgacagctct	gaaccagttg	360
ggcgacctgg	gtctgggagg	tgctgaggg	cccagcacc	tgcaggcggt	tccttttgtc	420
tcctgtagca	gtgcagatgt	ttggaaagtc	acacgtaaat	cttgaaaaac	tggaacagg	480
ccangcgtgg	tggtcatgt	ctgtaatccc	agcacttttg	gaggccaagg	tangaggact	540
gcttgaggcc	aggagtgtga	gaccagcctt	tggcagcata	gaaagacctt	gnctctacag	600
aaaattttta	aactagccag	gtgtgggggg	gttgcagtc	tgtagtccca	gcaacttgga	660

aggctnaagt tgggaaggatt gcttgagcct aggaatccaa ggctncaatg agcccatgat 720
 caccaattga ctgc 734

<210> 3019

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(795)

<223> n = A,T,C or G

<400> 3019

gtctatctca	ctnnagccct	ntggttagcnc	tggttctntt	tgnatnnaat	tcggcacgag	60
gcaagatccc	tccacctgtc	attatgggtgc	aaaatgtgag	cttcaagtat	acaaaagatg	120
ggccttgcat	ctacaataat	ctagaatttg	gaattgacct	tgacacacga	gtggctctgg	180
tagggcccaa	tggagcaggg	aagtcaactc	ttctgaagct	gctaactgga	gagctactac	240
ccacagatgg	catgatccga	aaacactctc	atgtcaagat	agggcggtac	catcagcatt	300
tacaagagca	gctggactta	gatctctcac	ctttggagta	catgatgaag	tgctaccag	360
agatcaagga	gaaggaagaa	atgaggaaga	tcattgggag	atacgggtctc	actgggaggc	420
cactgtagga	ggatcaattg	agcctagaag	ttcaagacca	gcctgggcaa	agtagggaga	480
ccccttctct	acaaatagta	ataaaatgaa	ccggggcata	gtagcatgtg	cctgcggtcc	540
ccagctgtct	tgataagaag	angctcactt	tgaccccagg	aaggttgang	ctgcagttag	600
ccataaccgt	gcccggttac	cacttccaag	cccttgattg	accaggaacc	gaanaccact	660
tggncttcna	aaaaaaaaatt	naaaaaaaaa	ttcannaatt	ggcttggaaa	aaaaanaaat	720
nnntnnnnnn	anaaaaaaact	ttggggccct	tttttnaaac	ctnnttgggg	gaggtccgat	780
tttacntaa	nantc					795

<210> 3020

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(764)

<223> n = A,T,C or G

<400> 3020

aanccctttg	aaaatcccct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgagggan	60
ntnaggccan	ganacaaagc	agcntttgcc	agnangagac	actcattggn	aggnctaagt	120
tcnccctgtg	ctgatacaag	catgaactnt	ntggaatntt	ctgctantct	gaaattacan	180
cnantngnct	ggggtnnngn	ngacgcntgg	caatggttgt	nttnacacac	nganttacnc	240
tgaaccncaa	cntggacngc	acatnacaca	catcanactt	tcacngngca	tctcgaactc	300
ngggttcacc	cgatncngaa	accntatgct	accaagaagt	gcgtgncctc	taggcacacc	360
tcactattgc	cgggcaaatt	nntgtgantt	cggagctttt	gcagaancnn	gannnctgca	420
tgaacnccaa	gctggactca	tannaccnga	nntcatctga	tccgcctgcn	ngagctccca	480
aagggctgng	atnatatggn	naagccacnc	tgcttatcca	aggtcaatnt	gaaantnnga	540
ccaacnngg	ntngatngcc	cnnaaaggct	naacgggnac	atgccnntaa	tgccaaaaac	600
ggtaaanctc	tctcancccg	ggaacccgga	actggnaaac	ttgngccgct	ttaccaataa	660
atgnntccga	ataacgttnn	ancccaaaaa	nngggcccca	gccntagggn	gaancntgga	720
caagcccaca	anttggnaat	ggccntnnna	aaaaaatgn	ttnn		764

<210> 3021

<211> 810

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (810)

<223> n = A,T,C or G

<400> 3021

ngtctntnac	ttcgtggctc	ctttngaaaa	tcccccttttg	cnggatccca	tcgattcgaa	60
ttacaggctt	gagccactgc	accaggccct	aagagctctt	tnctttctta	tcacacagtg	120
aattaaaata	ttttggatct	taactatccc	atattaagcg	atcctttcct	caaagaaag	180
aaaatactta	attagaacat	atatgtttaa	actgatacag	taagttgttt	gtaagcctct	240
agaactatag	tgagtcgtat	tacgtagatc	cagacatgat	aagatacatt	gatgagtttg	300
gacaaaccac	aactagaatg	cagtgaaaaa	aatgctttat	ttgtgaaatt	tgtgatgcta	360
ttgctttatt	tgtaacatt	ataagctgca	ataaacaagt	taacaacaac	aattgcattc	420
atthttatgt	tcagggttcag	ggggaggtgt	gggaggtttt	ttaattcgcg	gccgcggcgc	480
caatgcattg	ggcccggtag	ccagcttttg	ntccctttan	tgagggttaa	ttgcgcgctt	540
ggcgtaatca	tggnccatagc	tggttcctgn	gtgaaaatgn	tatcccgggc	acaattncac	600
acaaacatta	ccgagccggg	gagcmttaaa	agtggtaaaa	gccctggggg	tgcccttaaa	660
ggaggtggag	cttaacctca	ccaattaaat	tggcggttgg	ngccttcaaa	ttggccccgc	720
ttttccaant	ccggggnaaa	accctgnncn	tggccaaant	tggaatttaa	aggnaaatng	780
ggcccaaang	cccccgggg	gaanaaggct				810

<210> 3022

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 3022

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atgtcaaaca	cggccaccta	ggcagcattt	acaagcaaga	gttcactgct	tttttgatgt	120
atatnttaag	cgccccagc	gaatgaacag	catataactc	cacataaaaa	tcattaaatg	180
taattgactt	ccanagcang	cagttctgnt	gtatgcctct	ggagaaggct	ggctgaattg	240
naattggtct	gtaccttctg	tctatcatgt	acatgaggtt	tttgggcaaa	gagaactttc	300
cacaaaataa	gtccaaaaat	tatacgatca	tcagacaacc	aatancatat	tgatganata	360
tctccaagat	ctanaatnnt	nctgngtgtc	aaggaantct	ttgnggtttt	tacaaatatt	420
gataatgcac	ttntataaaa	atgcactttt	tataaaaaatg	catgctcagt	tnagacaact	480
tggnaacacc	ctgaaaagg	ncnngcgtn	tgngtnacgc	ctgnaatccn	agcncctctgn	540
gaggccgaga	cgggtggatc	acnatgtcag	gaaaatgnga	ccatnctggn	taacatggng	600
aaaacnccgt	ctctncttaa	aatncggana	attngcagga	tntgggtgccg	gccncctatn	660
gtnccattta	ctcannaagg	cttgagtnag	gaaaatgggtg	tgaanccctt	gaaanangan	720
nttttcaatn	accggggatn	ccnaccnttg	aatttnatct	gggga		765

<210> 3023

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 3023

gnttntncat	antgaaagcn	cttggttcttt	ttgcaggatc	ccatcgattc	gaattcggca	60
cgagcagatg	gtttttaacg	cctaccaggc	tggggtagga	gcactcaaac	tctccatgaa	120
ggatgtcaca	gtggagaagg	cagagagcct	cgtggatcag	atccaagagc	tctgtgacac	180
ccaggatgaa	gtttctcaga	ctctggctgg	tggggtaaca	aatggcttag	attttgacag	240
tgaagaactg	gagaaggaat	tggacatcct	ccttcaggat	accaccaaag	aacctttgga	300
tctgcctgac	aacccccgca	ataggcattt	taccaacagc	gtgcctaacc	ctaggatctc	360
agatgctgaa	cttgaagctg	aacttgagaa	actgtcctta	tcagagggag	gtttgggtccc	420
aagcagtaaa	tctccaaaaa	ggcaattgga	accgactcta	aagccattgt	aggaccctca	480
agtgaaggac	cctcatgtaa	aagagagacc	aggcctgctg	ggtgtgtaca	tagntattta	540
aacaagaaac	tctcagaatg	tgtttggaag	angagaaagg	agaaccactg	attttatctg	600
gatgctacta	cttactacag	gacagatnga	atttcttgga	accgatgctt	caaangcttg	660
gttcccactg	natcatggac	ctgccttntn	atctttatag	gggccnccaa	tttatacagt	720
cctgtggctg	acctgncatt	tcatancctg	cagttct			757

<210> 3024

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 3024

ntaatccaan	aaccttggtg	aagcctttgn	annnccnate	ggcaggaccc	atcgattcga	60
attcggcacg	aggaccacag	tagaccagct	caagagttca	tggtctttgt	catcctcctg	120
tgagctctct	gtaagtctct	ttcttgccca	tcaccacatc	cctagtactg	ggtatcagtc	180
tggccacttg	gctttctggt	ttgcccacat	gtggctctatt	cttgatgcag	ctaccaaagt	240
aatgttttaa	aaccattata	ccaagttact	atccttgctca	aaacccccag	taactgccaa	300
tctcacttag	aataaaatcc	ggactcctgt	gaagcacagc	ataaactggg	cactgcttat	360
gcagcaacct	catctttacc	gtttcctgcc	ttgctcactc	ccttccagcg	cdgttatctt	420
tcttgatgcc	cctagtacac	aacaactnct	tctgtctcca	agagtaggaa	aattactgnt	480
ctctctgcc	gtgagattcc	tcttctggta	ttacctttgc	ttcattgctg	aatcttctcc	540
aatatcatct	tctaaaaaga	gccttttaaa	atcacctttt	ctattatgcc	ctactcaatt	600
tccagtcctt	gaatgcccat	tcccacttc	atagcactta	ttgctatctg	aaattcacta	660
aatgncacct	tcatganggt	aggcaattta	atgncttggc	actgggtatgt	ctanagacaa	720
gcactggcta	tagtaggcac	tcaacaaata	tt			752

<210> 3025

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(763)

<223> n = A,T,C or G

<400> 3025

nctctactca	gattgcttgg	cgntctntnt	gcaggatccc	atcgattcga	attcggcacg	60
agccccactc	ggggtatgtg	aatgccacgc	tggagaagga	agtgcccatc	ttcacaaagc	120

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agcgcatgga cttcaccctt tccgagcgca ttaccagtct tgcgtctcc agcaatcagc 180
tgtgcatgag cctgggcaag gatacactgc tccgcatgga cttgggcaag gcaaatgagc 240
ccaaccacgt ggagctggga cgtaaggatg acgcaaaagt tcacaagatg ttccttgacc 300
atactggctc tcacctgctg attgccctga gcagcacgga ggctctctac gtgaaccac 360
ttgagaaggc tgcctcctag gctctgctca gtcactctgc aattgccaca ctgtgaccac 420
gttgacggga gtagagtagc gctgttgcc aggaggtgtc aggtgtgagt gtattctgcc 480
agcttttcat gctgttcttc agagctgcag ttatgccaga ccatcagcct gcctcccagt 540
agaggccctt cacctggaga aagtcagaaa tctgacccaa ttcacccctt gcctctagca 600
cctcttctgt cctgtcattc ccacacacgt tctgttcac ctgagagag agagagagag 660
agcacctttc tttcgtctgn tcaactttgc gggctntgga atnccagctc ttctctntca 720
gaagaagcct tctcttcctc tgcctttagt gtgtncctaa agt 763

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<210> 3026

<211> 933

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (933)

<223> n = A,T,C or G

<400> 3026

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ntatcnttat acgtctctaa aancnttggc tactngttct ttntgcagga tcccatcgat 60
tcgaattcgg cagcaggtcg ccaccacccc cgggcccagc ctgtctgaaa gtccagggtt 120
taggcgaaaa aaccgggtgg ggaggggtgg ggagccggag ctctgtggcg gggctggagg 180
gctgggggtgc actttagttt ggggcgggac gggagccgcc gttgtgactg gcgtggtctg 240
gctgctgctc ccgaacggag gggtcagnnt tggcttgcgt ggccctcaga gccagtgagg 300
tggctctgac tcggctccct actccctgca cccagctggg cgcaccttgg ggctgcgggt 360
ctgaatgtat cctccctctn agttttaacc tgagctgccg aacgcacagt gggcncgggg 420
gcnaagctgt gnngaaaccg gggcccaatt acggatcccn ggaagttaca ggtgccnacg 480
tgatgtcnct ttntcttggg gcccaactta ccttacttgg tcttgaanac ttagcttctt 540
nggggggtag gcccgngggc ccnccaaaa aanncttggg nnncccggtt ttccaaccn 600
ttggccccgg tggccttgnt ttganttatt gangccctcg gntttggncc aaataaanc 660
cccttgggtt tntggggggg aaaggnattt tttggggccc caacccnccn tttgggnaaa 720
aancccccgg gaangggnaa aaaaccgggg nccnntttnt tgccccttgg ggggtttttt 780
nccngggaaa aaaaaccccc nnttttaatt ggggnntttt ggggtccccc tttccaanaa 840
aacaccctt gggtttnaaa agggggggga attgngccn ttnaaacccg ggcccaaaanc 900
cnntaagna aa tttccnaac ccgctttnaa nnn 933

```

<210> 3027

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (773)

<223> n = A,T,C or G

<400> 3027

```

nttnagcnaa nnagccgttg tantgaagcc cntttgctac ttgctctttt tgcaggatcc 60
catcgattcg aattcggcac gaggaccagc gtagaccagc tcaagagttc atgttctttg 120
tcctctctct gtgagctctc tgtaagtctc tntcttggcc atcaccacat ccctagtact 180
gggtatcagt ctggccactt ggctttctgg tttgccccaa tgtggtctat tcttgatgca 240
gctaccaaaag taatgttnta aaaccattat accaagttac tatccttctc aaaaccccc 300

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```

gtaactgcc a atctcactta gaataaaatc cggactcctg tgaagcacag nataaactgg 360
cactgcctat gcagcaacct catctttacc gtttctgcct tgctcactcc cttcagcgcc 420
gggtattcttc ctgatgcccc tagtacacaa caactccttc ctgctccaag agtaggaaaa 480
tnactgtctc tctgccagtg agattcctct tctgggtatta cctntgcttc attgctgaat 540
cttctgcaat atcatcttct aaaaagagcc tttnaaaatc accttttcta ttatgcccta 600
ctcantttcc agtccctgaa tggccattcc ccactttcat agccacttaa ttgctatctg 660
aaattacact taaaatgggc accttcatga tgggaaggca attaatggc tttgtcactg 720
gtatgtctag agaacaagca gnttggctca tagtaggcac tcaacaaaaa ttt 773

```

<210> 3028

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (773)

<223> n = A,T,C or G

<400> 3028

```

nttnagcna nnagccggtg tantgaagcc cntttgctac ttgctctttt tgcaggatcc 60
catcgattcg aattcggcac gaggaccag gtagaccagc tcaagagttc atgttctttg 120
tcatcctcct gtgagctctc tgtaagtctc tntcttgccc atcaccacat ccctagtact 180
gggtatcagt ctggccactt ggctttctgg tttgcccacaa tgtggtctat tcttgatgca 240
gctaccaaag taatgttnta aaaccattat accaagttac tatccttgtc aaaacccccca 300
gtaactgcc a atctcactta gaataaaatc cggactcctg tgaagcacag nataaactgg 360
cactgcctat gcagcaacct catctttacc gtttctgcct tgctcactcc cttcagcgcc 420
gggtattcttc ctgatgcccc tagtacacaa caactccttc ctgctccaag agtaggaaaa 480
tnactgtctc tctgccagtg agattcctct tctgggtatta cctntgcttc attgctgaat 540
cttctgcaat atcatcttct aaaaagagcc tttnaaaatc accttttcta ttatgcccta 600
ctcantttcc agtccctgaa tggccattcc ccactttcat agccacttaa ttgctatctg 660
aaattacact taaaatgggc accttcatga tgggaaggca attaatggc tttgtcactg 720
gtatgtctag agaacaagca gnttggctca tagtaggcac tcaacaaaaa ttt 773

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<210> 3029

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (773)

<223> n = A,T,C or G

<400> 3029

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catcgattcg aattcggcac gaggaccag gtagaccagc tcaagagttc atgttctttg 120
tcatcctcct gtgagctctc tgtaagtctc tntcttgccc atcaccacat ccctagtact 180
gggtatcagt ctggccactt ggctttctgg tttgcccacaa tgtggtctat tcttgatgca 240
gctaccaaag taatgttnta aaaccattat accaagttac tatccttgtc aaaacccccca 300
gtaactgcc a atctcactta gaataaaatc cggactcctg tgaagcacag nataaactgg 360
cactgcctat gcagcaacct catctttacc gtttctgcct tgctcactcc cttcagcgcc 420
gggtattcttc ctgatgcccc tagtacacaa caactccttc ctgctccaag agtaggaaaa 480
tnactgtctc tctgccagtg agattcctct tctgggtatta cctntgcttc attgctgaat 540
cttctgcaat atcatcttct aaaaagagcc tttnaaaatc accttttcta ttatgcccta 600
ctcantttcc agtccctgaa tggccattcc ccactttcat agccacttaa ttgctatctg 660

```

aaattacact taaaatggtc accttcatga tgggaaggca attaattgcc tttgtcactg 720
gtatgtctag agaacaagca gnttggctca tagtaggcac tcaacaaaaa ttt 773

<210> 3030

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 3030

ngttnnnntt gtncntnttc tctgaaancg tttggctact tgttcttttt gcaggatccc 60
atcgattcga attcggcacg aggtagggtt aaagcctggc cagctattct gcaagacagt 120
caaaaattgt ttacagggct ggacagcata ttgctattga aaaatagcta ttaggagacc 180
ttgcacaatt tgtgaaacat tgtaggctc attgtactgt gtaaaatcag gaaagaattt 240
gggaacatac tgatacaaca aaaagatagg ttgtcaaacc ctacttnac cagaaagcta 300
aattaaccag ataagtcttt ctgaaagttt tagtgtctta gtttgttcct gcgctgtaac 360
agaatacctt agactgggta acctataaat aataggaatt tatttctcac agttttggag 420
gctggcaaatt gcaagatcca ggtgctggta cgttcagtgt ctggcaaggg cggctttctg 480
gtccaagatg gtgccttttt ttctgcatct tccataggga atgaacactc cttatggtag 540
aagggatgga aggaccaggc tttttttttt ttttggatac agcaggatct tgctctgtcg 600
cccagcctgg aatgcaatgg ctgattaagg tcaactgnag ctcaatctcc cacttttcag 660
cgatcatcca ccttancctc ttggatagct gggaccgcag cacantaca tgccctgntta 720
attattttgt aaaaccgggt ttncctgtgcc n 751

<210> 3031

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 3031

ntaatccaan aaccttggtg aagcctttgn annccnatic ggcaggaccc atcgattcga 60
attcggcacg aggaccagg tagaccagct caagagttca tgttctttgt catcctcctg 120
tgagctctct gtaagtctct ttcttgccca tcaccacatc cctagtactg ggtatcagtc 180
tggccacttg gctttctggt ttgccccaat gtggtctatt cttgatgcag ctaccaaagt 240
aatgttttaa aaccattata ccaagttact atccttgtca aaacccccag taactgcaa 300
tctcacttag aataaaatcc ggactcctgt gaagcacagc ataaactggc cactgcctat 360
gcagcaacct catctttacc gtttcctgcc ttgtcactc ccttcagcg ccgttattct 420
tcctgatgcc cctagtacac aacaactnct tcctgtcca agagtaggaa aattactgnt 480
ctctctgcca gtgagattcc tcttctggta ttacctttgc ttcattgctg aatcttctcc 540
aatatcatct tctaaaaaga gccttttaaa atcacctttt ctattatgcc ctactcaatt 600
tccagtcctt gaatgcccac tccccacttc atagcactta ttgtatctg aaattcacta 660
aatgncacct tcatganggt aggcaattta atgncctggc actggtatgt ctanagacaa 720
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<210> 3032

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 3032

tnngttnnnn	ttgttatnnc	ctnngaaacc	nttggtact	ngntctttct	gcaggatccc	60
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ttgcccttgt	ccagacctat	tttctgcttg	cgtttttgaa	acaggagggtg	cacgtaccac	180
ccaattatct	atggcagcat	gcatgtatag	gccgaactat	tatcagctct	gatgtttcag	240
agagaagacc	tcagaaaccg	aaagaaaacc	accaccctcc	tattgtgtct	gaagtttcac	300
gtgtgtttat	gaaatcta	gggaaatgga	tcacacgatt	tctttaaggg	aattaaaaaa	360
aataaaagaa	ttacggcttt	tacagcaaca	atacgattat	cttataggaa	aaaaaaaaatc	420
attgtaaagt	atcaagacaa	tacgagtaaa	tgaaaaggct	gttaaagtag	atgacatcat	480
gtgttagcct	gttcctaata	ccctagaatt	gtaatgtgtg	ggatataaat	tagtttttat	540
tattctctta	aaaatcaaag	atgatctcta	tcactttgcc	acctgtttga	tgtgcantgg	600
aaactgggta	agccagttgt	tcactctcgt	ttccaaatnt	aaaggatagc	tggttaggat	660
atthtgggta	tatttgtaaa	tttttgaaat	gcttagtaat	gtgttttcac	cacaagtatt	720
tggtgcaaac	ttaatgncat	ttccttaana	agggtacagc	tatgtaat		768

<210> 3033

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(823)

<223> n = A,T,C or G

<400> 3033

cacngaactg	atntnacctt	tggtcangcc	ttttngaagg	accccatcga	tacgagccca	60
tgcgattcga	atncggcacg	aggacnnagg	nagaccanct	caaggagttc	ntgttctgtg	120
tcatectcct	gtgagctctc	tgtaagtctn	tntcttgccc	atcaccacat	ccctagtact	180
gggtatcagt	ctggccactt	ggcttncctg	attgccccaa	tggtgtctat	ncttgatgca	240
gctgccaaag	taatgttnta	aaaccattat	accaagtnnc	tatnctngtc	anaacccccca	300
gtaactgccca	atctcacttn	naatnaaatc	cgnactccng	tgaagcacag	cataaactgg	360
ccactggcta	tcagcaacc	tnatntntac	cgtttactgc	ctngctcact	ccctttcann	420
gccnttgatt	cttcctgatg	ccnctagtca	caacaactnc	tttgctgctn	caagagtang	480
aaaatnactg	atnctntnga	catgagatcg	catntttatg	gtattacctt	tgcgtcattg	540
ctgaatcttc	nccaatatca	tnttctanaa	tagagccttt	taaaataccc	ntacnntatt	600
atgccnttnc	tcaattttca	antccctgaa	ntgccccatn	tcnccacttt	tcagtagnca	660
ctttaattgc	ttatcctgga	aaatttanca	cctanaattg	gtcaccatt	gaaagaatag	720
ggnnatggca	aantttattg	gcctttngtc	naactgtntc	gnncttanen	gaaccaagnc	780
aacttnggct	tnanaagtaa	ggcncntca	acccaaatnt	tct		823

<210> 3034

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(823)

<223> n = A,T,C or G

<400> 3034

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tcatectcct	gtgagctctc	tgtaagtctn	tntcttgccc	atcaccacat	ccctagtact	180
gggtatcagt	ctggccactt	ggcttntctg	attgccccaa	tgtgggtctat	ncttgatgca	240
gctgccaaag	taatgttnta	aaaccattat	accaagtunc	tatnctngtc	anaacccccca	300
gtaactgccca	atctcacttn	naatnaaatc	cgnactccng	tgaagcacag	cataaaactgg	360
ccactggcta	tgcagcaacc	tnatntntac	cgtttactgc	ctngctcact	ccctttcann	420
gccnttgatt	cttctctgatg	ccnctagtca	caacaactnc	tttgctgctn	caagagtang	480
aaaatnactg	atcnctntga	catgagatcg	catntttatg	gtattacctt	tgcgtcattg	540
ctgaatcttc	nccaatatca	tnttctanaa	tagagccttt	taaaataccc	ntacnntatt	600
atgcctttnc	tcaattttca	antccctgaa	ntgccccatn	tcnccacttt	tcagtagnca	660
ctttaattgc	ttatcctgga	aaatttanca	cctanaattg	gtcaccctatt	gaaagaatag	720
ggnnatggca	aantttattg	gcctttngtc	naactgtntc	gnncttanana	gaaccaagnc	780
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<210> 3035

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (823)

<223> n = A,T,C or G

<400> 3035

cacngaatcg	atntnacctt	tgttcangcc	ttttngaagg	accccatcga	tacgagccca	60
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tcatectcct	gtgagctctc	tgtaagtctn	tntcttgccc	atcaccacat	ccctagtact	180
gggtatcagt	ctggccactt	ggcttntctg	attgccccaa	tgtgggtctat	ncttgatgca	240
gctgccaaag	taatgttnta	aaaccattat	accaagtunc	tatnctngtc	anaacccccca	300
gtaactgccca	atctcacttn	naatnaaatc	cgnactccng	tgaagcacag	cataaaactgg	360
ccactggcta	tgcagcaacc	tnatntntac	cgtttactgc	ctngctcact	ccctttcann	420
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aaaatnactg	atcnctntga	catgagatcg	catntttatg	gtattacctt	tgcgtcattg	540
ctgaatcttc	nccaatatca	tnttctanaa	tagagccttt	taaaataccc	ntacnntatt	600
atgcctttnc	tcaattttca	antccctgaa	ntgccccatn	tcnccacttt	tcagtagnca	660
ctttaattgc	ttatcctgga	aaatttanca	cctanaattg	gtcaccctatt	gaaagaatag	720
ggnnatggca	aantttattg	gcctttngtc	naactgtntc	gnncttanana	gaaccaagnc	780
aacttnggct	tnanaagtaa	ggcnccntca	acccaaatnt	tct		823

<210> 3036

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 3036

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tcagttgtct	gtcaggggtg	aattaagaag	ctactgggtt	attcccaatt	gttgatgcct	180
ttaggtatgt	tggaatcttt	ttttttgcct	aggaggggcc	agttgaaaat	ctgtgactca	240
agaggcagtg	aacagaatac	tgttttctgg	ggaaaaattg	gttggtact	tgatgttaat	300
tatggcacag	taacaggaaa	aggttggtgc	tgtgttttta	agtttttctt	tattctgctt	360
ttttgctgct	ataagagttt	tctgaaattt	atattttaaa	cttttcattg	actttactgt	420
ttctagtctc	aaaatgtgat	atttttaata	aacaagaaat	ttccattat	gtgaatgaaa	480
ttttaaaaga	caatagccta	tatttggtgc	tcactaatat	ataaagtata	gggtcaattt	540
aaattattta	attagtttta	aatatcacia	tttgtctcct	ctttcaaacc	tgacatcttc	600
gggctgtttt	attagtctaa	atgatgcatt	tacttttgct	attttatgct	aattctttca	660
tagtaaataa	tcaggctata	taaggtaata	tttcccana	nggtaatttt	aatgggacna	720
nggttggtgg	gatgatgtca	tatcatacat	ggggattgcc			760

<210> 3037

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 3037

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ccgcactcgg	ccaggagcta	gttttatcag	catcctgtc	cactgccttc	ctctagtga	180
gcctggaaga	catggcagcg	ggtagctcct	ggggctgagc	cagaagcatc	actgcagtga	240
aagtctctgc	ttacctgtct	ggctcagctt	gggcaagggc	tgggccatat	gtgctcaggg	300
acgtgcttct	cttgtaaggc	aggaggatag	aagaggacca	agaagggagg	gagctgccct	360
gtggtgcaca	caggcctgcc	atggggcggtg	ggagcccatc	ccgctgcctg	accggagctg	420
gctgctgtgg	tggactcagg	aaccactttt	aatactgcaa	ctgctccctt	ttgccagtc	480
agggaaagct	gactgtaagt	cccacctncc	cctnctgcca	cccttctagt	ggtttctctg	540
agagggtttct	ctgcttcagc	tgtgcttgaa	gtggcatgcc	tnctctgctg	canggcctcc	600
ccaacccccca	caaggmctta	aagatgttaa	tttctttata	gactggatta	aagtcagcca	660
ttctttttcc	tcaaaaaaaaa	aaaaaaaaaaa	cttgagcctn	tanaactata	tgagtogtat	720
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<210> 3038

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 3038

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gatcccatcg	attcgaattc	ggcacgagat	tggggactga	catcttaagc	tctcacctgg	120
ctgcagtang	aaaggccaaa	ctgacgacaa	aaaaaaaaatt	ctttataaag	atgatatgg	180
aacatgtatc	tttgccctgg	gtctgggtgg	gtccagtcag	tctcagattt	acaagcattt	240
aggagcctag	gtaaaagctg	ctagtattct	tttaaaagtt	atatttatga	cttgcaatga	300
tagaaaactc	cttccaatta	aatggcattt	tataatatta	tgtgtgtact	tcacagtgtt	360
aaaaatacc	tcatacgta	ttgcatttga	tcttcacaga	aagtgcattt	taaccagtac	420

tctgggtgca	ataaataata	tgtagaaatt	taagtcctcc	aattccagca	tatccagtga	480
gttttgacag	tgtgtttatg	tggaaatgttt	aaggatatac	aattgtactt	tatataaatt	540
ggttcttgtt	cttctttaa	gtgacatgaa	ataattgngc	tgctacatta	tactggaaat	600
taacagggga	aaaggggaaga	gcttcttggc	tcccttgagg	tctgctantg	ggtggttaggg	660
agtgggtaca	actgaacttt	tantaacccat	ttaaccgtat	gtaaacttgg	tttctaatta	720
aaaaaaattc	ctttttccaa	aaaaaaaanaa	nntnaccccn	ntttttantc	nnnnnnanct	780
nanannt						787

<210> 3039

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 3039

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tgagctctct	gtaagtctct	ttcttgccca	tcaccacatc	cctagtactg	ggtatcagtc	180
tgggcaacttg	gctttctggt	ttgcccacat	gtggtctatt	cttgatgcag	ctaccaaagt	240
aatgttttaa	aaccattata	ccaagttact	atccttgcga	aaacccccag	taactgcca	300
tctcacttag	aataaaatcc	ggactcctgt	gaagcacagc	ataaactggc	cactgcctat	360
gcagcaacct	catctttacc	gtttcctgcc	ttgctcactc	ccttcacagc	ccgttattct	420
tcctgatgcc	cctagtacac	aacaactnct	tcctgctcca	agagtaggaa	aattactgnt	480
ctctctgcc	gtgagattcc	tcttctggta	ttacctttgc	ttcattgctg	aatcttctcc	540
aatatcatct	tctaaaaaga	gccttttaaa	atcacctttt	ctattatgcc	ctactcaatt	600
tccagtcctc	gaatgcccat	tcccacttcc	atagcactta	ttgctatctg	aaattcacta	660
aatgncacct	tcatganggt	aggcaattta	atgncttggc	actgggatgt	ctanagacaa	720
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<210> 3040

<211> 811

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(811)

<223> n = A,T,C or G

<400> 3040

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atcgtaggagc	ctgagatcct	ccctgatggg	gaccatgact	tgaagcgctg	ncagtatgtg	180
accgataaag	gtgctggctg	ctgtctacan	ggctctgagt	gaccaccaca	tctacctgna	240
aggcaccttg	ctgaagccca	acatggtnac	cccaggccat	gcttgcactc	anaagttttc	300
tcatgangag	attgccatgg	cgaccgtcac	ancgctgcnc	cgcacagngc	ccccgcgtgt	360
cactgggatc	accttcctgt	ctggaggcca	nactgacgag	gangcttaca	tcaacctaaa	420
tgctattaac	aagtgcccn	tgctgaancc	ntgnnccctg	accttcttct	actgncgagc	480
nctgcangcc	tctgcnctga	acgcctgnng	cggnaataag	gagaacctga	agctgctcac	540
gaagaatntg	tcaagcgaac	cctgncnaac	agccttgcc	ggcaaggaaa	gtncacttnc	600
gagccgggta	ggctagggct	tgctgcaacc	gaagtccctc	ctttggtntt	ctaaccatcg	660
ccttttttaa	nncggaagg	tgtttcccca	aggattgccc	cccaanaact	tnnaagncc	720

ttggccccaa tttccnantt tttgaaanaa ggnaggnccg cctncttcta nngggcttcc 780
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<210> 3041
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (757)
 <223> n = A,T,C or G

<400> 3041
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 gtttgatat actgtattct agccagaata atttttagatc tgatcaggta gtagctaaaa 180
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 taaaatatac tgagatccac atctagtga atgtcagtgt caaaatatta tagattatag 300
 ctaaaatcca gattaatact catttggggt tttttatagt ggaacttcat agtaatacaa 360
 aaagcagatt gtcttctctgt ctccgctgct cccacagtag gtattgaaac tggtaaaatc 420
 agttttttga tagtgtgtgt atataagaaa aaatagatac acacattctt ttttctcagt 480
 caacacattg attgaacact ctggcaaaga tgctgtgggt gatgangttg gagttcgaaa 540
 agaagaagca agcgctggcc tgccttgaaa gaaccgaaa gtctttccca ttcacttctc 600
 tagaaagctg ccaagacaga ngcagaaaagg aaatggatga tagttctgtc aagcacactt 660
 ctgntctcnt agaacttaga aatggttcta agagaacaga agttatngag aacagttcnt 720
 gtggaattca acatcttggg tgggaacncat tggcttt 757

<210> 3042
 <211> 788
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (788)
 <223> n = A,T,C or G

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 agcgattga cttcaccctt tccgagcgca ttaccagtct tgnctgtctc agcaatcagc 180
 tgtgcatgag cctgggcaag gatacactgc tccgattga cttgggcaag gcaaatgagc 240
 ccaaccacgt ggagctggga cgtaaggatg acgcaaaagt tcacaagatg ttccttgacc 300
 atactggctc tcacctgctg attgccctga gcagcacgga ngctctctac gggaacccac 360
 ttgagaaggc tgectcctag gctctgctca gtcattctgc aattgccaca ctgtgaccac 420
 gntgacggga gtagagtagc gctgtnggcc angagggtgc aagtgtgagt gaattctgcc 480
 agcttctcat gctgnnttca nanctgcagt tatgccagac catcagcctg cctncagnag 540
 aggcccttca cctggagaag tcagaaatct gacccaattt ccacccctg gntcnagca 600
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 nanaagagaa gcacctnnc tttccgactg gtaaanntct ggcgggcctt ttggaaancc 720
 canctcctnt tntctcagaa ggaagccnnt nttcttcct cctggmctga aaggtgtnc 780
 aaaaaanc 788

<210> 3043
 <211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(788)

<223> n = A,T,C or G

<400> 3043

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agcgcattga cttcacccct tccgagcgca ttaccagtct tgnctgtctc agcaatcagc     180
tgtgcatgag cctgggcaag gatacactgc tccgcattga cttgggcaag gcaaatagagc     240
ccaaccacgt ggagctggga cgtaaggatg acgcaaaagt tcacaagatg ttccttgacc     300
atactgctc tcacctgctg attgccctga gcagcacgga ngtcctctac gggaaaccac     360
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cctcttctgn cctggcatt cccccacnca cgnncttggg tnaccctcga gaagagaaga     660
nanaagagaa gcaccctnnc tttccgactg gtaaanntct ggcgggcctt ttggaaancc     720
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<210> 3044

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(804)

<223> n = A,T,C or G

<400> 3044

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agtgcatttt tacacggnta gcaggggttg agactgcagc ctggcctgcc agccattgga     180
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antttnggna tgagatcttc caatccanag gaancccnnc tttggacttg ccttgggtta     540
aatcttgcac ancntaaagt ggttngatga agttcatctg aagaaattta nggccaacn     600
tncnaancct tnccccatc ntgcttccct tttgaaactt ggcttctggg gaaactcnng     660
ccagaagtnc ttgnggacac canncctntt tngggggntc tcaaggncgt tccnttngg     720
nctgtnnccc aaagncnnaa nngantcnng tngcntnnat tnggaaggaa ttntggntn     780
cctangttgn nttnattncn aaac

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<210> 3045

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(774)
 <223> n = A,T,C or G

<400> 3045
 cngtctaacc cnttggtac ttgctctttn tgcaggatcc catcgattcg aattcggcac 60
 gaggcaggag aatcacttga accctgnagg tggcggttgc agtgagcnca gatcatgcca 120
 ctgcactcca gcctgggcaa caaaacgaga ctctgtctca aaaaaaaaaa acntagaatt 180
 tggatccttt ggctgggttc tcccaaattc ttttgagggtg tccatgggtca actgcttcag 240
 ctttgttttg gcaacccccct gcccgaaatc gcatataggc tgttcttcac cttggtttcca 300
 aggtcgagga acagaaagta gcctctgttt tgaggagggtg gaagttaagt atacatttat 360
 tttttactgt gacttgtcag gaccacattt tacaaaatgc cttgtttcct tcattgnttc 420
 tggaaaagga aagttctatt aatattgntt tactttgaat atagaatagt ttttttaatt 480
 agggcttatt ttgaaaaatc tgagttaaatt tcaaatgttt gccaatacct tccaaagtaa 540
 ggtaatatcc agagacagtt gttgtgaaca agatggctta aaagaaattc ttggaatatt 600
 cacattcnaa agattcctta ttaatgaatg tctttgcctt aaaatctaac caaaaaactg 660
 cacatttatc ctttgggcat ttttcattat atagnngtaa caagcttttag ntgccaacca 720
 aattaaaatc cttaagcttt ttaaaaaaaaa aaaaaaaaaa actcnggcc tttt 774

<210> 3046
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 3046
 cttnnnttgt nctntntctt tcaaatcgct nggetacttg ttctttttgc aggatcccat 60
 cgattcggga agaggatgac tgggtatgct gtgccaccct tgagggccat gaatccactg 120
 tgtggagctt ggcctttgac cagagtggcc agcgccctggc gtctttagt gatgaccgta 180
 ctgtgcgtat ctggcgtag tatctaccag gcaatgaaca aggggtggca tgcagcggtc 240
 ctgaccccaag ttggaatgt atctgtactt tgtccggtt ccactcaagg accatttatg 300
 acattgcttg gtgtcagctg acaggggctc tggccacagc ttgtggggat gacgcgatcc 360
 gcgtgtttca ggaggatccc aactcggatc cacagcagcc cacttctcc ctgacagccc 420
 acttgcacga ggcatttcc caggatgtca actgtgtggc ctggaacccc aaggagccag 480
 ggctactggc ctctgcagt gatgatggg aggtggcctt ctggaagtat cagcggtcgt 540
 aaggcctctt gagctacctc gactttggac agagtaatga ctcccagaa aacgtcatat 600
 aagaanttta ccaacccctg aangaccaag aaggagccat tcctttgacc ttcatttaac 660
 ttgggctcac tttttcttta aaactttggg tagaaaatgc agagccccag aattgctttt 720
 ccttcccngc ttttgacatg aaggccttaa gtaaaagaac ttccngaaca ttaaaaaaa 779

<210> 3047
 <211> 767
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(767)
 <223> n = A,T,C or G

<400> 3047
 tnctttgatg ccattgctct tgtttttnt gcaggatccc atcgattcgg cttgccttta 60

cacacggaat	cgctgtgcat	ccgacagagg	ctgattggca	catggggcac	ggggattgtc	120
agctcaaaaca	ccgtcagcag	cgttgccctt	ggaaatggga	tttcccagaa	cagtaaactgt	180
gtctgtcctt	gatttacaga	gtagctacat	tccataggaaa	tccagggtac	attaaaactc	240
accatgttac	ccaggctggt	ctcaaactcc	aggcctcaag	caatcctcct	cctgtctcca	300
cacagacggc	ttctgcaggt	ttggtaaatct	acagtacact	ccttgacagg	aaaagggtgat	360
gagtcacat	ggacttattt	gaccactttt	tatgcatgct	tagaggaaaa	cagaatactg	420
ttaagagatt	catctgctag	ttattaagta	aagaaatc	acaataggcc	gggcgcagt	480
gctcacacct	gtaatcccag	cattttggga	ggccaagggt	ggccggatca	cctgagggtca	540
ngagttcgag	accagcctac	caacatgggt	aaaccccgct	ttntactaaa	attatnaaaa	600
attagcccgg	tgtagtgggt	ccacgcctgt	agtcacagtt	actttgggaa	gcttaagcat	660
taagaattgc	tttgaaccca	ggaagtggga	ngttggangt	gaaccnnaaa	tgtgcctgn	720
acttcancct	ggaacagant	gagacacttg	tncncaaaaa	aaaaaat		767

<210> 3048

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(770)

<223> n = A,T,C or G

<400> 3048

ttngncgact	nnanctntac	annaatcctt	tggttacttg	ccngcaggat	cccatcgatt	60
cgaattcggc	acgaggcagg	gagttgcttg	ggtggccgct	aacnccaggc	tactcttatt	120
ttagcttgct	aagttgagat	cagctagacc	tgctttcttt	tctcctcagt	cttgcatctc	180
cctcaataca	agctgtagcc	tctttcctcg	tttctagtct	cagaaggaag	gagaggggaag	240
ccattctcct	ctagggactc	ttcagctcct	tttagatgat	agtcctcttt	tttctacctc	300
catattagag	atggagctcc	ttccttttcc	tgtttcttaa	tttttgcctt	ctcattcctg	360
cttccctctc	accctattgc	cagttccacc	aactagagtg	aaagacttcc	tagccatttc	420
attaaatcta	ttctgtatcc	accaggtggc	agcatcttgt	catacgtgtc	aggacttagg	480
actgcggggg	ttaggttana	tgtcacggaa	aaagctagtt	ctgtggtcag	gcggcaccaa	540
tgagaaagga	atgcagaccc	ttcagatgta	tccttgggaa	aagcagtaaa	ccaactaata	600
tttattgaag	gacctaactt	gtcctacat	agggnaactt	ctgtcaggga	atcntgggtt	660
cttnccaaga	aacactgatt	ttctttcang	gagacttcat	ggggtcattt	atttccccac	720
agcagaattt	aagaaattat	tatatggaat	attggatatc	tataaagagc		770

<210> 3049

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(765)

<223> n = A,T,C or G

<400> 3049

gcngnctacn	gaaacccttg	gtactngnt	ctttntgcag	gateccatcg	attcgaattc	60
ggcacgaggg	aaccatgaga	accgaagcta	gaattgctat	tgaattactt	tattttctct	120
tcctttattg	ggtagagata	catcattact	ggcctcaggg	gtttacccaa	agaaagggta	180
tttttgagca	aataatgtga	tttcctggct	attttgttgg	gggcttaaga	tttttttttt	240
tcaaatgcat	ttttagtcac	taaaaattaa	ctgtcgtacc	atctagaact	atactgtcca	300
gtaccatagc	ctctagccgt	atgtagctat	ttgtattaag	attaattgaa	attttaaatc	360
cagttcctca	gtcacactag	ccactttcta	agtgtcagc	agctctgtgt	gaccagcggc	420

tactgtattg	gatattatag	aagggtcttt	cattcaagat	catcattctt	gacagaccca	480
taaataatttc	ctataaagac	tgtagaagtg	tggtctggaa	gggtttgctc	tccaaaaaga	540
attgtaatat	agagtagaat	tgggtagag	tattgaagac	actgggttta	gacattggat	600
attttaatga	ttgnngtgttc	taattcatgt	gctgccactg	agttatctag	tgatatgacc	660
tcactgcttg	acaaaaagcc	cggaatagaa	ggcaggattc	ctggaatcta	tcttaaaaaat	720
ttgcaatgga	anaacctttt	ccctaaatta	tcccattatg	gtaan		765

<210> 3050

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (815)

<223> n = A,T,C or G

<400> 3050

gnnnnnnnntt	tnaaaccctt	ggctactngt	tctttttgca	ggatcccatc	gattcgaatt	60
cggcacgagg	ctagactcaa	gctgtctgga	gagtgtgaaa	caaaagtgtg	tgaagagttg	120
taactgtgtg	actgagcttg	atggccaagt	tgaaaatctt	catttggtatc	tgtgctgcct	180
tgctggtaac	caggaagacc	ttagtaagga	ctctctaggt	cctaccaa	caagcaaaat	240
tgaaggagct	ggtaccagta	tctcagagcc	tccgnctcct	atcagtcctg	atgcttcaga	300
aagctgtgga	acgctacctc	ttncctttgag	accttgtgga	gaagggctctg	aaatggtagg	360
caaagagaat	agttccccag	agaataaaaa	ctggttgttg	gccatggcag	ccaaacngaa	420
ngctgagaat	ccatctccac	gaagtcctgc	atcccagaca	cccaattcca	ggagacagag	480
cggaaagaca	ttgncaagcc	cggcaccatc	acgccagct	tcatgaggaa	aatctgcaca	540
tacttccata	naaagtccca	ggangacttt	ctgtggtcct	gaacactcaa	ccagaattat	600
angattctaa	tctgagttga	gttactgagc	ttttggtccc	acttaaaaca	aagcttgaag	660
cttntggtn	cacttaaaaa	ccanggaatg	aaaananttc	ccaagaagtn	ggacttcttn	720
ttaactnctt	gggnctnttt	tangaaaang	cttgcccntt	tttcaaattt	tttangccaa	780
aaantcnttt	tttcaaacc	ctttgaaaat	ngccc			815

<210> 3051

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (716)

<223> n = A,T,C or G

<400> 3051

gaancccttt	ggctactgc	tctttntgca	ggatcccatc	gattcgcaaa	gatcagaagt	60
cctggcaaga	atcacanatg	gaaaaacnac	aattctagac	agagagcagt	caactggatca	120
ggcagtcact	tggtgtgattt	gaagctagaa	gggccaccgg	aggcaaatgc	agatcctctt	180
ggtgttttga	taaacagtga	ttctgagtct	gataaggagg	agaaaccaca	acattctgtg	240
atacccaagg	aagtgcaccc	agccctatgc	tcactaatga	gtagctatgg	cngtctttca	300
gggtcagaga	gtgagccaga	agaaactccc	atcaagactg	aagcagacgt	tttggcngaa	360
aaccangttc	ttgatagcag	tgctcctaan	agtcctaatg	aagatgttaa	agcaactggt	420
agaaattttt	cagaagccaa	gagtgcgaac	cgaaagaaaa	gctttgaaaa	acaaacccta	480
ngaggaaana	agatttcaca	actatcaaac	gttattcgaa	ccangaacac	accatccata	540
tctcttgga	atgcttctag	cttccggaca	ttcgacatga	aaagaaatgt	gatttgcant	600
gtggccggtn	cctcatcaaa	aaagactttt	tggtctggatc	tattctgcga	aagtaagatg	660
ttagctctgg	ggttacttct	actgaanntg	tgaacattct	cctntttgtn	gaggaa	716

<210> 3052
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(785)
 <223> n = A,T,C or G

<400> 3052

ggnnnnnnnn	nnttgnggt	nannnctttt	ttncntncnn	ntttgaaacc	ctttggctac	60
ttgntctttt	tgcaggatcc	catcgattcg	gccgccgggg	cgcaatgcga	gcggctggng	120
taggcttggt	ggactgtcac	tgccacctct	ccgccccgga	ctttgaccgc	gatttggtatg	180
atgtgttga	gaaagccaag	aaggccaatg	ttgtggccct	tgtggcagtt	gccgaacatt	240
caggagaatt	tgaaaagatt	atgcaacttt	cagaaaggta	taatgggttt	gtcctgccat	300
gcttggtgt	tcatccagtt	caaggacttc	caccagaaga	caaagaagt	gtcacactaa	360
aggatttga	tgtagctttg	cccattattg	agaattataa	ggatcggttg	ttggcaattg	420
gagaggttg	actagatttc	tccccagat	ttgctggcac	tggatgaacag	aagggaagagc	480
aaagacaagt	cctaatacaga	cagatccagt	tagccaaaag	actaaatttg	cctgtaaatg	540
tgcactcacg	ctctgctgga	agacctacca	tcaacctttt	acaagagcaa	ggtgctgana	600
aggtactgct	gcatgcattt	gatggtcagg	ncatctgtag	ccatggaagg	agtnagaanc	660
tgggtacttc	ttctcaattt	ccccttctat	cataagaaat	ggacagcang	aaacttgtga	720
aacaattgnc	tttacttcta	tatgcttaga	aacagatcac	ctgactagga	cnanaaaaca	780
ggctcc						785

<210> 3053
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(790)
 <223> n = A,T,C or G

<400> 3053

gtnnnnnn	tnattcccn	nanaaaacct	ttggctactt	gctctttttg	caggatccca	60
tcgattcgaa	ttcggcacga	ggtttcacat	ttgctgccat	gagcaaagan	gaggctcgaca	120
ggtacaattt	tgtgatgctg	gccctgtcct	cctcattcct	ggtgttatcc	tatctcttga	180
cccgttggtg	tggcagcgtg	ggcttcatct	tggccaaactg	ctttaacatg	ggcattcgga	240
tcacgcagag	cctttgcttc	atccaccgct	actaccgaag	gagccccac	aggccccctgg	300
ctggcctgca	cctatcgcca	gtcctgctcg	ggacatttgc	cctcagtggg	ggggttactg	360
ctgtttcgga	ggtattcctc	tgtgtgagc	agggctggcc	agccagactg	gcacacattg	420
ctgtgggggc	cttctgtctg	ggagcaactc	tcgggacagc	attcctcaca	gagaccaagc	480
tgatccattt	ctcaggactc	agttaggtgt	gccagacgc	actgacaaaa	tgacatgact	540
tcagggaagc	ctggacaccc	gangcacctg	gaccaactat	gggtaagttc	ttgtgggtgg	600
aacancattc	tgtgtaagaa	cccacttgan	ggcnttttgc	aaaccggaat	tgacaggnaa	660
ccccagaana	ttaaggcacc	acaaaagtgc	ccccttgcat	gaaaacacct	tgtgaaccat	720
ttcnaantct	tgaaatgccg	ggggggggaa	gtttcaattt	tttaaggga	agaacaaaaa	780
gccccttnt						790

<210> 3054
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(770)
 <223> n = A,T,C or G

<400> 3054

gnntgntttt	nnntctttga	tcccttcttt	caaatccttt	ggctacttgt	tctttttgca	60
ggatcccatc	gattcgaatt	cggcacgagg	ggtgttggag	cagattntag	ttgatccaca	120
gcaaagagca	tcaccaaagc	cattccagga	ggaactagat	ccaccacttc	ctctgctggg	180
catgctccaa	aaatggttgt	ggcttccaga	gaggactcca	aaagaaagca	caaaaactag	240
acagtgggag	ggcataccca	aaagccctga	gtttctgaaa	aaatattgaa	agtttctatg	300
gtgaaatagg	aagttaatgt	gcttaggaag	aaaaaagtgg	taatgattca	aggaaacata	360
atcacacacg	gttttagttt	taatggacat	gggaggagcc	ataaaagtag	tctatctatc	420
atcagttaca	tatctaata	actgtctatc	tgggataccc	tatcctgttt	taatctgagt	480
gactctctct	cagctgagag	agctggacag	actccatttt	agcctcttca	cttgcagtcc	540
ccttatcccc	cttccttaag	ggaataacta	gtgcaagctg	actccaagca	catncaggaa	600
tgcacttact	gataaagata	ttgangcaag	ttgtaccagc	agctcctggg	gacgtgctca	660
ntggatggtn	ccaagccctt	gcatttatct	ctttgngata	gtntaaaccc	ctgcacctgg	720
aactgtgatt	tttctgtact	atctctgtac	cctnaatttt	ttttactttt		770

<210> 3055
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(784)
 <223> n = A,T,C or G

<400> 3055

tncttgaanc	cctttgctac	ttgttctttt	tgcaggatcc	catcgattcg	cgtctgtaat	60
cccagctgct	tgaggagctg	aggcaggaga	ntcacttgaa	ccctggaggt	ggcggttgca	120
gtgagcacag	atcatgccac	tgcactccag	cctgggcaac	aaaacgagac	ttcgtctcaa	180
aaaaaanaac	cttagaattt	ggatcccttg	gtcgggttct	cccaatttct	tttgaggtgt	240
ccatggtcaa	ctgcttcagc	tttgtttttg	caaccccttg	cccgaagtgc	catataggct	300
gttcttcacc	ttgtttccaa	ggctgaggaa	cagaaagtag	cctctgtttt	gaggaggtgg	360
aagttaagta	tacatttatt	ttttactgtg	acttgttcag	gaccacattt	tacaaaatgc	420
cttgtttcct	tcattgnttc	tggaaaggaa	agttctatta	atattgtttt	actttgaata	480
tagaatagtt	tttttaatta	gggcttattt	tgaanaattc	tgagtttaat	tcaaatgtat	540
gccaatacct	tccaaagtaa	ggnaatatcc	agagacagtt	gttgtgatca	gaatggctta	600
gagaaatttc	tggaaatatt	acattcgaag	attccctatt	aatgaaatgn	ctttgacctt	660
aaaattttacc	caaaaacttg	caaccattaa	ttcnnnttga	ccatttttca	ttatatagng	720
gttaaacaaag	ctttagtgtc	caaaccaaat	taaaattcct	taaagctaaa	aaaaaaaaaa	780
aant						784

<210> 3056
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 3056

cgnttaaann	ccttcactcn	ntcgtttgaa	gncnnttggc	gattcgaatt	cggcacgaga	60
taacacacat	cacagtatgc	tctcagaaat	ttctttat	gaaccctata	ccaatatctg	120
ttgatcaatg	accatttttg	ctcagcatgg	agaaacagtg	ccctgcatga	agggtagtga	180
gaataaaaag	gatcttacca	cctttatcat	gaggggtggc	ttgctctctc	cattccaagt	240
tgttctctgt	tctagaaagc	agatgtagta	gacatctact	gtttttgcct	aaacagaatc	300
cctttttcct	ttttttgtta	aaagtactca	tccctaatat	tacattgttc	tggaaggact	360
gaaaataaca	gaactcagca	ccatgatcgg	accgggacaa	tcagattatt	tcattcctca	420
gcaaacggag	atcgatccga	aaagtggaaa	tatgagctct	tctttgggtg	tggcataatg	480
accctgagag	aaagaacttt	aattttttct	cttggactgc	aataaagtat	agctgcctaa	540
aatacgtttc	ctgacacttg	gaggtttgtc	cacaatcggt	gaaataaagg	caagacgtaa	600
caactggatg	aaaaaaaaaa	nnnnnnnaaa	aaaaaaaaact	cgagcctttt	aaaactatta	660
gtgagtcgna	ttaccgtana	tcccggacat	ggatangatn	cattgatgaa	gtttggacca	720
aacccccaac	ttggaatgcn	ntgnaaaaaa	atgctttaat	ttggngaaat	ttggggatg	779

<210> 3057

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 3057

ttancctata	anegtctatg	aagcctttgc	tattngncaa	tggtatgcagg	aaaactgaga	60
tggtatttcc	ccacgttgcc	caggctggc	tcctgagctn	aaagcaatcc	agattgctgg	120
gattacagct	gtgagccacc	gtgcctggc	gagatgactt	ttaaaaaag	acttctctaa	180
agtagaagga	aggggtgaat	tgtatgcaca	agaagaaaaa	aacctggaag	aaaaacatac	240
taaagaggct	ggagtgcaat	ggcgcgatct	tggtaccgc	aacctccgcc	tcccgggttc	300
aagtgattct	cctgcctnag	cctcccagg	agctgggatt	acaagcatgg	gccaccacgc	360
ctggctaatt	tgtattttta	gtagagacgg	agtttctcca	tggtggtcag	gctggctctg	420
aactaccgac	ctcaggtgat	ccaccacct	cggcctccac	agtgcctggga	ttacaagcat	480
gaaccaccgn	gcccgggtct	ctgttccagt	ttctataat	ctggctcatat	cttattcttg	540
gtatatgtgg	gtggtgtgat	tatccatgtg	gtcttatttt	cacattcttt	gcattaacta	600
taatgactta	atgttttaag	ataagtttca	tttcttcaaa	agatgtatgt	ncaatacctg	660
ggatcagggt	aacaatctta	aaaaaactta	ttcatttaaa	aattaacctt	taaaattagc	720
cattccaatt	naacattaag	ganggttgng	agga			754

<210> 3058

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 3058

nttaantnt	gatngtcnat	aaggccttta	tcgattcgcc	aatggatgca	ggaaaactga	60
gatgggattt	ccccacgttg	cccaggctgg	tctcctgagc	tcaaagcaat	ccagattgct	120
gggattacag	ctgtgagcca	ccgtgcctgg	ctgagatgac	ttttaaaaaa	agacttctct	180
aaagtagaag	gaaggggtga	attgtatgca	caagaagaaa	aaaacctgga	agaaaaacat	240
actaaagagg	ctggagtgca	atggcgcgat	cttggctcac	cgcaacctcc	gcctccgggg	300

ttcaagtgat	tctcctgcct	cagcctccca	ggtagctggg	attacaagca	tgggccacca	360
cgcttggtta	attttgtatt	tttagtagag	acggagtttc	tccatgttgg	tcaggctggt	420
ctcgaactac	cgacctcagg	tgatccaccc	acctcggcct	cccacagtgc	tgggattaca	480
agcatgagcc	accgcgccc	gcctcctggt	ccagttttct	ataatctggt	catattatat	540
tctgggtata	tgtgggtggt	gtgattatcc	atgtggtctt	attttcacat	tctttgcatt	600
aactataatg	acttaatggt	taagataagt	ttcattctac	aaagatgtat	gtacaatacc	660
tgggtatcagg	taacaatctt	aaaaaaaaact	aattcattta	aaaataaaca	ttaaaattag	720
ccaatccaat	taaccntaaa	gacagtttgt	ganga			755

<210> 3059

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 3059

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gggattacag	ctgtgagcca	ccgtgcctgg	ctgagatgac	ttttaaaaaa	agacttctct	180
aaagtagaag	gaaggggtga	attgtatgca	caagaagaaa	aaaacctgga	agaaaaacat	240
actaaagagg	ctggagtgca	atggcgcgat	cttggtcac	cgcaacctcc	gcctccggg	300
ttcaagtgat	tctcctgcct	cagcctccca	ggtagctggg	attacaagca	tgggccacca	360
cgcttggtta	attttgtatt	tttagtagag	acggagtttc	tccatgttgg	tcaggctggt	420
ctcgaactac	cgacctcagg	tgatccaccc	acctcggcct	cccacagtgc	tgggattaca	480
agcatgagcc	accgcgccc	gcctcctggt	ccagttttct	ataatctggt	catattatat	540
tctgggtata	tgtgggtggt	gtgattatcc	atgtggtctt	attttcacat	tctttgcatt	600
aactataatg	acttaatggt	taagataagt	ttcattctac	aaagatgtat	gtacaatacc	660
tgggtatcagg	taacaatctt	aaaaaaaaact	aattcattta	aaaataaaca	ttaaaattag	720
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<210> 3060

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 3060

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aacacacatc	acagtatgct	ctcagaaatt	tctttatttg	aacctataac	caatatctgt	120
tgatcaatga	ccatttttgc	tcagcatgga	gaaacagtgc	cctgcatgaa	gggtagttag	180
aataaaaagg	atcttaccac	ctttatcatg	aggggtggtt	tgctctctcc	attccaagtt	240
gttctctggt	ctagaaagca	gatgtagtag	acatctactg	tttttgctta	aacagaatcc	300
ctttttcctt	tttttgtaa	aagtactcat	ccctaataat	acattgttct	ggaaggactg	360
aaaataacag	aactcagcac	catgatcgga	cgggacaat	cagattattt	cattcctcag	420
caaacggaga	tcgatccgaa	aagtggaaat	atgagctctt	ctttggtggt	ggcatatgga	480
ccctgagaga	aagaacttta	attttttctc	ttggactgca	ataaagtata	gctgcctaaa	540
ataccgtttc	ctgacacttg	gagggttgcc	acaatcggtg	aaataaaggc	aagacgtaac	600
actggatgaa	aaaaaaaaan	nnnnnnaaaa	aaactcgagc	ctntagaact	atgtgatcga	660

ttcgtagatc cagaatgata gatcattgtg agtttggaca accacactng atgcagtgaa 720
 aaaatcttat tgngaattgn gatn 744

<210> 3061
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(744)
 <223> n = A,T,C or G

<400> 3061
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 aacacacatc acagtatgct ctcagaaatt tctttatttg aacctatac caatatctgt 120
 tgatcaatga ccatttttgc tcagcatgga gaaacagtgc cctgcatgaa gggtagtgag 180
 aataaaaagg atcttaccac ctttatcatg aggggtggtt tgctctctcc attccaagtt 240
 gttctctgtt ctagaagca gatgtagtag acatctactg tttttgecta aacagaatcc 300
 ctttttcctt tttttgttaa agtactcat ccctaattt acattgttct ggaaggactg 360
 aaaataaacg aactcagcac catgatcgga ccgggacaat cagattattt cattcctcag 420
 caaacggaga tcgatccgaa aagtggaaat atgagctctt ctttgggtgtt ggcataatgga 480
 ccctgagaga aagaacttta attttttctc ttggactgca ataaagtata gctgcctaaa 540
 ataccgtttc ctgacacttg gaggtttgcc acaatcggtg aaataaaggc aagacgtaac 600
 actggatgaa aaaaaaaaa nnnnnnaaaa aaactcgagc ctntagaact atgtgatcga 660
 ttcgtagatc cagaatgata gatcattgtg agtttggaca accacactng atgcagtgaa 720
 aaaatcttat tgngaattgn gatn 744

<210> 3062
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(718)
 <223> n = A,T,C or G

<400> 3062
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 aattcggcac gagaaagccc gccaccact gtgggacttt ctggtgggct cctcagctcc 120
 caccacagc tggggcccag attgtgaggt ctgtgtgcat gtgtgtgtgt atgtgtgtgt 180
 gcatgcgtgt gtgtgtgtgt gggatctggc ctggcccttg gggatggggc tgctggggac 240
 tgccccctt cccgccgtgg ccaggcgtc tgtgtgctgt gtgtgcccc ggcctctgtt 300
 acccgtcca ggaactaact taccagctt ggtctctcct gagtctcca cctggcctg 360
 ggattggcca gggagcagg cgggcattgg gaccagtgtg gagcctgagg gtgcctgccc 420
 tgctctggag ggagggccag gagctgccac accccaagt cctctcaggg cccaccctcc 480
 ttttcagcc tctgcataag gccctgggt aactgcaga agcccatcc tcccgcttc 540
 gggcataagg cccctgacca cacttcagaa gcccatccc cctgcaccg ggcgatccct 600
 gctgtnagcc gaactntctg cccgctgcca tgtgtcgtgt ttggtgnaga cctgatgtct 660
 gtntgtgtcc aaacgggctc aagagcctca caatctgggt agctgaccca gtacgtgt 718

<210> 3063
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 3063

cgnttaaann	ccttcactcn	ntcgtttgaa	gncnnttggc	gattcgaatt	cggcacgaga	60
taacacacat	cacagtatgc	tctcagaaat	ttctttat	gaaccctata	ccaatatctg	120
ttgatcaatg	accatttttg	ctcagcatgg	agaaacagtg	ccctgcatga	agggtagtga	180
gaataaaaag	gatcttacca	cctttatcat	gagggtggct	ttgctctctc	cattccaagt	240
tgttctctgt	tctagaaagc	agatgtagta	gacatctact	gtttttgcct	aaacagaatc	300
cctttttcct	ttttttgtta	aaagtactca	tccctaatat	tacattgttc	tggaaggact	360
gaaaataaca	gaactcagca	ccatgatcgg	accgggacaa	tcagattatt	tcattcctca	420
gcaaacggag	atcgatccga	aaagtggaaa	tatgagctct	tctttgggtg	tgccatatgg	480
accctgagag	aaagaacttt	aattttttct	cttggactgc	aataaaagtat	agctgcctaa	540
aatacgtttc	ctgacacttg	gaggtttgtc	cacaatcggg	gaaataaaag	caagacgtaa	600
caactggatg	aaaaaaaaaa	nnnnnnnaaa	aaaaaaaaact	cgagcctttt	aaaactatta	660
gtgagtcgna	ttaccgtana	tcccggacat	ggatangatn	cattgatgaa	gtttggacca	720
aacccccaac	ttggaatgcn	ntgnaaaaaa	atgctttaat	ttggngaaat	ttggggatg	779

<210> 3064
 <211> 754
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(754)
 <223> n = A,T,C or G

<400> 3064

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gctgctaggt	tccagtttta	atnttttaggt	ttagtggac	tctgttatga	aaagataggt	120
tatgggtggg	cgacaggttg	atacagtctt	agaaaaagca	ggtaatatca	aagtattgga	180
aagctagcat	gcatgccctc	ttacctgggt	atcttccccc	ttttttcctt	ttaaactctt	240
gagcctccta	taacgaagga	ttatgtgttt	caaacctttt	ttttttactg	tttcattaag	300
tgtgcttggt	cccaaaatat	ttacttggtat	aatatctgta	cttgcttaaa	tacttcagca	360
aagttagcat	atttactcat	tcaacaaata	tttgagccag	gcattatttt	agacacagca	420
gtgaacaaaa	caaaaaggca	ttcttgccct	catggagctt	acattcttat	tggtatttaa	480
atctaaatgt	tataaaacaa	gaatttatat	tctagggttg	atcagctagt	atttaaatcaa	540
aaangccaca	ctcccatagc	agctctctaa	gctgtagtag	ctaataaaaa	atattaatgg	600
tggccggggc	cagtgtctnac	gcctattaat	cccagactt	tgggangcca	aggtggtaga	660
tcacttgagg	tcaaaaagtgt	gacccagcct	ggccaacctg	gtgaacccta	tctctttaaa	720
aatccaaaaa	aatccaaaaa	aattacttgg	gctg			754

<210> 3065
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 3065

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ttgatcaatg accatTTTTg ctcagcatgg agaaacagtg ccctgcatga agggtagtga      180
gaataaaaag gatcttacca cctttatcat gaggggtggc ttgctctctc cattccaagt      240
tggtctctgt tctagaaagc agatgtagta gacatctact gtttttgcc aaacagaatc      300
cctttttcct ttttttgta aaagtactca tccctaatat tacattgttc tggaaggact      360
gaaaataaca gaactcagca ccatgatcgg accgggacaa tcagattatt tcattcctca      420
gcaaacggag atcgatccga aaagtggaaa tatgagctct tctttgggtg tggcatatgg      480
accctgagag aaagaacttt aattttttct cttggactgc aataaaagtat agctgcctaa      540
aatacgtttc ctgacacttg gaggtttgtc cacaatcggg gaaataaagg caagacgtaa      600
caactggatg aaaaaaaaaa nnnnnnaaaa aaaaaaact cgagcctttt aaaactatta      660
gtgagtcgna ttaccgtana tcccggacat ggatangatn cattgatgaa gtttgacca      720
aacccecaac ttggaatgcn ntgnaaaaaa atgctttaat ttgngaaat ttggggatg      779

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<210> 3066

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 3066

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annacacaca tcacagtntg ctctcagaaa ttctttattt tgaaccctat accaatatct      120
gttgatcaat gaccatTTTT gctcagcatg gaaaaacagt gccctgcatg aagggtagtg      180
agaataaaaa ggatcttacc acctttatca tgaggggtggc ttgctctctc ccattccaag      240
ttgttctctg ttctagaaag cagatgtagt agacatctac tgtttttgcc taaacagaat      300
ccctttttcc ttttttggtt aaaagtactc atccctaata ttacattggt ctggaaggac      360
tgaaaataac agaactcagc accatgatcg gaccgggaca atcagattat ttcattcctc      420
agcaaacgga gatcgatccg aaaagtggaa atatgagctc ttctttgggt ttggcatatg      480
gaccctgaga gaaagaactt taattttttc tcttggaactg caataaagta tagctgccta      540
aaatacgttt ctgacactt ggaggtttgt ccacaatcgg tgaataaag gcuagacgta      600
acctggatg aaaaaaaaaa nnnnnnaana aaaaaactcg agcctntaaa ctatagttag      660
tcgattcgta gatccagaca tgatagatcc ttgatgagtt tggacaacca cactngatgc      720
atgnaaaaat cttattgnga attgggag      748

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<210> 3067

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 3067

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annacacaca tcacagtntg ctctcagaaa ttctttattt tgaaccctat accaatatct      120
gttgatcaat gaccatTTTT gctcagcatg gaaaaacagt gccctgcatg aagggtagtg      180
agaataaaaa ggatcttacc acctttatca tgaggggtggc ttgctctctc ccattccaag      240
ttgttctctg ttctagaaag cagatgtagt agacatctac tgtttttgcc taaacagaat      300
ccctttttcc ttttttggtt aaaagtactc atccctaata ttacattggt ctggaaggac      360

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tgaaaaataac	agaactcagc	accatgatcg	gaccgggaca	atcagattat	ttcattcctc	420
agcaaacgga	gatcgatccg	aaaagtggaa	atatgagctc	ttctttgggtg	ttggcatatg	480
gaccctgaga	gaaagaactt	taattttttc	tcttggactg	caataaaagta	tagctgccta	540
aaatacgttt	cctgacactt	ggaggtttgt	ccacaatcgg	tgaaataaaag	gcaagacgta	600
accctggatg	aaaaaaaaaa	nnnnnnaana	aaaaaactcg	agcctntaaa	ctatagttag	660
tcgattcgta	gatccagaca	tgatagatcc	ttgatgagtt	tggacaacca	cactngatgc	720
atgnaaaaaat	cttattgnga	attgggag				748

<210> 3068

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 3068

gnttgaatcc	ctnncanatc	ncttggntgc	aggatcctat	cgattcgaat	tcggcacgng	60
annacacaca	tcacagtntg	ctctcagaaa	tttcttttatt	tgaaccctat	accaatatct	120
gttgatcaat	gaccattttt	gtcagcatg	gagaaacagt	gccctgcatg	aagggtagtg	180
agaataaaaa	ggatcttacc	acctttatca	tgagggtggc	tttgcctctc	ccattccaag	240
ttgttctctg	ttctagaaag	cagatgtagt	agacatctac	tgtttttgcc	taaacagaat	300
ccctttttcc	tttttttggt	aaaagtactc	atccctaata	ttacattggt	ctggaaggac	360
tgaaaataac	agaactcagc	accatgatcg	gaccgggaca	atcagattat	ttcattcctc	420
agcaaacgga	gatcgatccg	aaaagtggaa	atatgagctc	ttctttgggtg	ttggcatatg	480
gaccctgaga	gaaagaactt	taattttttc	tcttggactg	caataaaagta	tagctgccta	540
aaatacgttt	cctgacactt	ggaggtttgt	ccacaatcgg	tgaaataaaag	gcaagacgta	600
accctggatg	aaaaaaaaaa	nnnnnnaana	aaaaaactcg	agcctntaaa	ctatagttag	660
tcgattcgta	gatccagaca	tgatagatcc	ttgatgagtt	tggacaacca	cactngatgc	720
atgnaaaaaat	cttattgnga	attgggag				748

<210> 3069

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (756)

<223> n = A,T,C or G

<400> 3069

ggnnnnnnntc	ttttcnaatg	cttggctctc	gttctttntg	caggatccct	cgattcgcaa	60
gagagagtga	tagaattggc	agtgaaatat	acgaaccacc	ctcctgccct	ctgggttcac	120
aatacgtgta	cacttgactg	tgaagtggct	gtgagagtgg	gtggagagtt	cttctttgac	180
cctcagcctg	cggatgcctc	tagaaacctc	gtgttgattg	caggaggagt	cggaattaac	240
cctctgcttt	ccatcctgcg	gcacgcagca	gatctctca	gagagcaggc	aaacaaaaga	300
aatggatatg	agataggaac	aataaaaacta	ttctacagtg	caaaaaatac	cagcgaaactc	360
ctgtttaaga	aaaatatcct	tgatttagta	aatgaatttc	ctgagaagat	tgcatgcagt	420
ttgcatgtta	caaaacagac	tacacaaaac	aatgcggaac	tcaagccata	catnacggaa	480
ggaagaataa	cggagaagga	gataagagat	catatttcaa	aagagacttt	gttctatatt	540
tgtggccacc	ttcaatgaca	gactttttct	ccaagcaact	ggaaaacaac	catgtcccaa	600
agaacacatt	tgctttgaga	agtgggtgga	ggaggcagac	aaaggcagaa	aaaattaaga	660
ggtgagatct	actcaggaga	gctcaaaann	aaaaaaaaaa	aaactnggac	ctntagaact	720

atagtgagtc gtnttccgta gatccagaca tgataa

756

<210> 3070

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (788)

<223> n = A,T,C or G

<400> 3070

gnnttnnaan ttaacagctc tegtntctttt tgcngatccc atnnattcga attcggcagc	60
agtgatgcct tagtcacttg gccacacagt tttgtggttt acgagtcacg ggaattgctt	120
gtcttactct gactgctaaa gttctgtcct attgtctttt catgtaatag caacatgact	180
ctgatgacaa agcccaacta attacacaac ttaatttaaat agtttaaagc gcaaagggca	240
ttccctgagc agtaaaatct tttgtttgga aattttaaaa caaattatat ttactttat	300
gttttatatt taccntaata agtatttaca agaacacaat tttctcaaga tttaaactgc	360
tcattgttcc ataaatagga cacacattta gaaagaggat ttttttttaa aggaatattt	420
tagtgattac ttctggctaa aaacatgaaa ctcttttagt gcttgatgtt actggaaact	480
tgctctagat tattttttga atctttgtct ngagggtaaa aatagaaatg ttttcctccc	540
aattattgct ttgaattaaa attttgtgtc tgggtgaaat ttctctggc ttaatgcacg	600
accaggctgg tagaaaatgt ttcacctaaa tcctcttatt tttggtaaaa cattcataat	660
nccaaaccct aatagtttgg naaggcatgt gataattggt aatcccnctn ctgtcctcan	720
tttataaatt cccctgacaa cagccctgct taanaatata acctacttct gggttgattt	780
cttnccgn	788

<210> 3071

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 3071

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aacacacatc acagtatgct ctcagaaatt tctttatttg aaccctatac caatatctgt	120
tgatcaatga ccatttttgc tcagcatgga gaaacagtgc cctgcatgaa gggtagtgag	180
aataaaaagg atcttaccac ctttatcatg aggggtggtt tgctctctcc attccaagtt	240
gttctctgtt ctgaaaagca gatgtagtag acatctactg tttttgccta aacagaatcc	300
ctttttcctt tttttgttaa agtactcat ccctaataat acattgttct ggaaggactg	360
aaaataacag aactcagcac catgatcgga ccgggacaat cagattattt cattcctcag	420
caaacggaga tcatccgaa aagtggaaat atgagctctt ctttggtgtt ggcatatgga	480
ccctgagaga aagaacttta attttttctc ttggactgca ataaagtata gctgcctaaa	540
ataccgtttc ctgacacttg gaggtttgcc acaatcgggt aaataaaggc aagacgtaac	600
actggatgaa aaaaaaaaaa nnnnnnaaaa aaactcgagc cntagaact atgtgatcga	660
ttcgtagatc cagaatgata gatcattgtg agtttgagca accacactng atgcagtgaa	720
aaaatcttat tnggaattgn gatn	744

<210> 3072

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (768)

<223> n = A,T,C or G

<400> 3072

cactganctn	ctatccttct	tcnttgacag	atccnatega	ttcgaattcg	gcacgagatc	60
ctgtcgggtat	tccttggtat	ctgantnaaa	taccaaataag	taccatacat	gagttatttc	120
taagtttgaa	aagtaaaaag	aaattgcatc	acactaatta	caaaatacaa	gttctggaaa	180
aaatatTTTT	cttcatttta	aaactTTTT	aactaataat	ggctttgaaa	gaagaggctt	240
aatttggggg	tggtactaa	aatcaaaaaga	aatgattgac	ttgagggtct	ctgtttggta	300
agaatacatc	attagcttaa	nnntncngac	aanngcntnt	gtaatgntgt	aactgctgtt	360
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ggacatgcct	canaaccatg	aatagcccgn	actagatcct	gngaacatgg	atcttagagt	480
cactttggaa	taagtntcta	tntnaatacc	cncagccttt	tgagaacggg	gcttggtaaa	540
ggacncgtat	gtagggcccg	tacctaactgn	cagttgggtt	cangnaaatg	ggattgactt	600
tggncttaag	ntccttggtc	ataattTTTT	aaaatatggg	antnggaaaa	cccccaaaga	660
atggaatgga	ctcttnaaaa	cantgaaaag	acccttatcg	gttgncctt	ggaatgtaga	720
atttggmntt	nggnttntct	aattctgctt	ggtnaaaggg	gncagttt		768

<210> 3073

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 3073

tcnctcctna	aatcggtggc	gctctcttgc	aggatccctc	gattcgaatt	cggcacgagc	60
tctcaaataag	aatggygaga	taagaaatat	atctgtgcaa	tattaaattg	acaaaaaaan	120
cccataaaaa	gtgtcaaagg	caaataattt	gctctagatc	acaaaactag	ttagcacaag	180
gctaggatta	taaccagggt	ctaggaaaaa	atcctgaagg	tgatttaact	gagtgttagg	240
ccctgtcaag	ccacctgcta	aggctcatgg	tctttcagac	tagcttcaac	attccaaatc	300
aggcaatagc	tacaacggaa	agataattgg	acggggaatc	ctgagatcag	agtcctagtt	360
tggtcttgtc	tctttagtag	ggatttttta	aatcaggggc	agctctcttc	tcccatccca	420
gcatgaatc	tttcaacctt	agtggtcacc	aacttgactc	cattccttat	atcaagcctt	480
gtcctgtcaa	ttctccctta	aatgttagtt	gcatccattt	ctaaatatat	ccatggccat	540
caccttagta	aaaagactat	tacctcacac	ccgcacttg	atcttcccc	aactttaagt	600
gactcagttc	cttatatcac	tgccacaaga	attaacaccc	atgtccatct	tttcattttc	660
tgctgaaaga	ttttcagtgg	ttcccacttg	aatnccaaat	aaagttcgaa	tccttanaa	720
tggcattcac	agccttntac	ttctggnccc	acttttatnt			760

<210> 3074

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (771)

<223> n = A,T,C or G

<400> 3074

```

ntttataant ntnatncctt nctcttgntc tttttgcagg atccctcgat tcgaattcgg      60
cacgaggaac aagcacagcc caagccagat gtacagcaca cacagcatcc catggtggcc      120
aaagacaggc agcttcctac cttaatggca cagcccccgc aaactgtagt acaggtgctt      180
gcagtgaaaa ccacgcagca gctccctaaa ctgcagcagg ctccgaacca accaaaaatc      240
tacgtgcaac cccaaacccc ccagagccaa atgtcgctcc cagcttcttc agagaaacag      300
acggcaagcc aggtggagca gcccaattata acccaaggat cctctgttac aaagataact      360
tttgaggggc gccagcctcc cacagttaca aagataactg gtggcagttc tgtgcctaag      420
ctgacatcac cagttacaag catatctccc attcaggcct ctgagaagac agcagtgtct      480
gacattttga aaatgtcttt gatggaagct cagattgata caaatgtaga acatatgata      540
gtggatcccc caaagaaggc tcttgccact agcatgctca ctggtgaagc aggatcatta      600
ccctccacc cacatggtgg tgcagggatg gcgaattcca cttcccagca acagaaatgt      660
agagagtcct gttcgagttc attcaccgnt ggctcttcc taacgacaag gaaaatttga      720
tccaccanca gtgccttgcn acanggccan ttnatgcgta tttcanaatg t      771

```

<210> 3075

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 3075

```

atnngaagga aacaatnntc ctctgtgctc tncntgcagg atcccatcga ttcgggcccgg      60
ttattctctc ttacagata gctatagaca tcattttagg aagtgttgca gtctggcatt      120
tgtgtatttg ttcattctct gtgaaggctg ttcatagttg ctatagcctg tgtttagttt      180
tgtgatttca tcaatcccat ctttctgtgt gagtaatgca ttctaatacat cctacccac      240
tttagaaacg gacgtgggga acgcttggtc atttaagcca acaataaatt taggtgaatg      300
tccctaagtg tttactgntt ttatccagtc aaggatttgc ttttccttga acatttgttt      360
taaattctgg ggccaaaatg caaaggagaa gttctattca aaggcagtag ttgaaatcta      420
ttattttagt tagcctactt ggcatttact acatcgggtc cttctccagg ctgccctaaa      480
ttaggttgat ggagtgagac atgccaacaca tccacctttg ggaccatagc atagntaaaa      540
ttaaattgtag ttggaatagc tagcattgca gctacagtag ggaactgtag tctanttccc      600
taccgaaaac ccaaggagta agggacagga ttttgccctg gcaaaaatct aagactcgtg      660
cccttctggt acatggggnt taagactgaa tgtgtaatag gagactgctt tgccaatcaa      720
atgatgacag gtactgaaat ngcaatccat t      751

```

<210> 3076

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (793)

<223> n = A,T,C or G

<400> 3076

```

ntnnnnngtc taataattcn nnttctttgc nctctccatg caggatccca tcgattcgaa      60
ttcggcacga ggagaggttc acagccacca agaaagaagt ttgcgtgaag ttctccagga      120
ctatggaaac cttacaggat actgacttag aacctctgtt ggaatgtggc tgagtcaaag      180
cctcctgttg ttgttagggg tatctacagt aaggagatga tacttcagga gattatattt      240
cactcaatga tcttttctca tttcagggtc cttctcaaat aagctaaaag aaaaaggatc      300

```

```

aggagacagg aaaagtcttc cgttttgagt catgagtagg gcaatagaca aggttctctt 360
caaaaccatc attagtttgg ctttaagaaa ccagtagcta gctgctatctt atatggtgag 420
ggggtgctgc ctggttaacag aatagctcca caccacagct tgagattttg tttagtttca 480
ctgtgtgagc tttcataaag tctgttgcca ttccatctct gtgttaacac ttcataatctt 540
tatgaaattc agataatttg tgagaggctg gcatggatct aaggatttat tatttttatt 600
ctagtccatc aagttcaatc gcagttttat actaggacct tttaggatgg tncataaaat 660
gtgtggactg tttgnccttg anttaaaagt gccacttttg gccctggggc atggnggct 720
tcatgcctat taatcccagc acttttgagg aggnccaagg ccggttggt tcaatttgan 780
gctaaggaaa ttc 793

```

<210> 3077

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(763)

<223> n = A,T,C or G

<400> 3077

```

nctcnantan ctatngcttg gttncctgnt ctntctgcag gatcccatcg attcgttcga 60
gtgcaagctc cccatctttc gaaagtttcc atggcaatac agctaactga agaactaaaa 120
gccagtgatg tacttgccag gtttctcagc caagaaagtg ggggtgcca gactctcaag 180
aaaggagaag tttttttgta tgaaattgga ggaaatattg ggaacgctg cttgatgat 240
gacacttaca tgaaggattt atatcagctt aaccctaatg ctgagtgggt tataaagtca 300
aagccattgt agaagactta acaagctgca gataaccatg tggacttctg tcataattct 360
tgctgagtca agagtgtaaa taaaagaaat ggcaggactc atattattca gttgtacca 420
agtatttaaa aatgactctc ttaagcctta aaaagtcata gatttgtgct gctgccagaa 480
ttatattaat tattattaat gttattatta gaaaaaaat ttctggagtg agagtaaaga 540
ggcttaatta gtttgtgggc agttttcata tgctctgtga aatgtgtcca gatgtgacat 600
agttttttt taatatgttg aaagtcttct cttcccatc tttctccta aaatcatata 660
tactgnaata tatgctctct nactctatta cttctttaca tctaccctt ccanttangt 720
ttgctttttg cccaaaagat accaattcca ngtttggagg ttg 763

```

<210> 3078

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(774)

<223> n = A,T,C or G

<400> 3078

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ntnnnnngtt tgntannaa gnctttgctc ttgntctttn tgcaggatcc catcgattcg 60
aattcggcac gagagagact agtctcgagt tnnnttnttt tttttttcac aaataaacca 120
actttaatag atnttatttn gtatttatat agtgcttct tcaagaacct taaatgcttt 180
acagacatta tctctaatta atccccacaa caaccctgtg aggtaggat tactccatt 240
ttacaagaca ggganactga agcacagaga ggttaagtga cttgccaag gtcacacagt 300
taaattcact gaagagccag gacatgagcg ctttagcntc ccanntccca gccnaatacc 360
tcatgataga atctttaata aaaagtgttt nttaaagaaag tatcacgagt agttatgtta 420
tgaaaatgag gtctttntac tgccatcaag gaaagaaaaa accctatact gatgggttaga 480
ggccccaaga cccacataat acaacatttn cctctttccc tgttccnaag cntcctggtt 540
cctgtcttaa ataactttt aaaggtnaaa tttccaagac agaagccatg tgacttaaga 600

```

```

agtgggactt aatttttagaa tatttacttt agttacataa atttatagga aattttttatt 660
cccattnca aaatatggga cagccattcc aacatcatgt catagttaca cggnaatcaa 720
gtccccantt acaacttaca ccanccecg nttttaatca cagtcaacca acnt 774

```

<210> 3079

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 3079

```

ttancctata ancgtctatg aagcctttgc tattngncaa tggatgcagg aaaactgaga 60
tgggatttcc ccacgttgcc caggetgggc tcctgagctn aaagcaatcc agattgctgg 120
gattacagct gtgagccacc gtgcctggct gagatgactt ttaaaaaaag acttctctaa 180
agtagaagga aggggtggaat tgtatgcaca agaagaaaaa aacctggaag aaaaacatac 240
taaagaggct ggagtgcaat ggcgcatct tggctaccgc aacctccgcc tcccggttc 300
aagtgattct cctgcctnag cctcccaggt agctgggatt acaagcatgg gccaccacgc 360
ctggctaatt tgtattttta gtagagacgg agtttctcca tgttggtcag gctggtctcg 420
aactaccgac ctccaggtgat ccaccacct cggcctccac agtgcctggga ttacaagcat 480
gaaccaccgn gcccggnctc ctgttccagt tttctataat ctggtcatat tatattctgg 540
gtatatgtgg gtggtgtgat tatccatgtg gtcttatttt cacattcttt gcattaacta 600
taatgactta atgttttaag ataagtttca tttcttcaaa agatgtatgt ncaataacctg 660
ggtatcaggt aacaatctta aaaaaactta ttcatttaaa aattaacctt taaaattagc 720
cattccaatt naacattaag ganggttgng agga 754

```

<210> 3080

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(785)

<223> n = A,T,C or G

<400> 3080

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cnacnaattn acanntcact tncctnctngc nctnntngca tncgattcga attcggcacg 60
aggtgaatgc tgtgcctgtg gcccacactg tgtgtgatgt cgccagaacc cagccgactc 120
cttcagagaa agctgcagga gtccctggagg gggcccttgg gccacatgtt gtcactaacc 180
tttatctcta tccaatcaaa tctgtgtctg catttgaggt gaccaggtgg cctgtaggaa 240
accaagggct gctatatgac cggagctgga tgggttgtaa tcacaatggg gtttgctga 300
gtcagaagca ggaaccccggt ctctgcctga tccanccctt catcgacttg cggcaaagga 360
tcatggtcat caaagccaaa gggatggagc ctatagaggt gcctcttgag gaaaatagtg 420
aacggactca nattcgccaa agcacgggtct gtgctgacag agtaagtact tatgattgtg 480
gagaaaaaat ttcaagctgg ttgtcaacat tttttgcccg tccttgatcat ttgatcaaac 540
aaagttcaaa ctctnaaagg aatgcaaaga agaaacatgg gaaagatcaa ctttccttgg 600
tacaatgggc cacccttttc tctgtgaatg aangcncng tatctgnttg atcaacacat 660
tccagtattt ttggaacttc accgggnaac ttnaaacacc cattgatgan aatgggaaan 720
ganggaatta tttttacttg aaaggatctt naccttgctt tttcgtgcc aatatttatt 780
ancan 785

```

<210> 3081

<211> 812
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(812)
 <223> n = A,T,C or G

<400> 3081
 cttatnnant actccgtctc taaagccttt ntcngattcg aattcggcac gagggaaaca 60
 gctgactgcc actgaaagaa tnagcagttt taggggacta gctcctatgg gagataaagg 120
 tcagaaatcg tagtatctga tgaagatatt ttgatgagca ggtgagaaga aagataaaca 180
 tggccagatg gccaaggact gggataagta gccgtttcac attcaattag aattctgtgg 240
 ctggaataag atcagggaga gcagtaggaa gatatagtat tctataattc atagcttggt 300
 gtgtaggaga ttaattagga ttctgctgtt gaatccttagt acaaaaaaat ctaatatatta 360
 ttaggaaatta agggaagatg gtacttctgt tatgttgctt aagcagacag gaagctacaa 420
 gaacaccagt ctgaagcagt gcctcaggat ctcatatgat ttaggaagtg tgctgtaattg 480
 tcaaaaaaaaa aaaagtattg tcttttagtat atctatgtat agtctcgtgg gaaaagcatt 540
 ggttggtgta tcaacagata ttctgggttc cagatgtctt gnaagttaac ctgcctccca 600
 tttccctttc tgtaaagcca aaataattgg ttttaccacc ctaaatctgg cctctcaagg 660
 gattnccatt ntttaantna aaaaattatg gtcctantna aagtgccaaa aaaaaaann 720
 nnnnnaaaaa aaccttngga gncctnttt anaacctttt tngtgagggt ccgnatttac 780
 ccttnnnaat ncccgaacn ttggattaag gt 812

<210> 3082
 <211> 768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(768)
 <223> n = A,T,C or G

<400> 3082
 cactganctn ctatccttct tcnttgcagg atccnatcga ttcgaattcg gcacgagatc 60
 ctgtcgggtat tccttggtat ctgantnaaa taccaaatag taccatacat gagttatttc 120
 taagtgtgaa aagtaaaaag aaattgcac acactaatta caaaatacaa gttctggaaa 180
 aaatatTTTT cttcatttta aaactTTTT aactaataat ggctttgaaa gaagaggctt 240
 aatttggggg tggtactaa aatcaaaaaga aatgattgac ttgagggtct ctgtttggtg 300
 agaatacatc attagcttaa nnntcngac aanngcntnt gtaatgntgt aactgctgtt 360
 aatattnant gctntngntn gagcnacctn antntgaaca gatgngtcag cctgcatgct 420
 ggacatgcct canaaccatg aatagcccgn actagatctt gngaacatgg atcttagagt 480
 cactttggaa taagtnccta tntnaatacc cncagccttt tgagaacggg gcttggtaaa 540
 ggacnctgat gtagggcccg tacctactgn cagttgggtt cangnaaatg ggattgactt 600
 tggncettaag ntccttggtc ataattttt aaaatatggg antnggaaaa cccccaaga 660
 atggaatgga ctcttnaaaa cantgaaaag acccttatcg gttgnccctt ggaatgtaga 720
 atttggnttt nggnttnctt aattctgctt ggtnaaaggg gncagttt 768

<210> 3083
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(781)
 <223> n = A,T,C or G

<400> 3083

tnnngnttaa	ncccttctct	tgccttttgc	ggatccctcg	attcgaattc	ggcacgagcc	60
aaggagtttt	ccaccgtct	ctcatgggtca	cagcgctagt	cattcatttt	tgagaagttg	120
cttctttttac	atcagaaaac	cagtcaatca	tatggagact	tcttttgtga	tgaaaaaggg	180
ctttagaagt	taaatacatg	catgcacatg	aaaacatgca	caaccacagc	ctcaatcttg	240
tatttagttt	ggggaaagag	aagagaattt	cctgtggatt	attttttcct	caagtgcacc	300
tctctgggtta	acccaaactc	tgcaagaaag	cactgtgact	aaaacataca	taacgcctgc	360
ataaatattc	catggtttca	gttaaatttc	agttttttagc	ctttacacat	gaggtcaaag	420
gagtgcgaa	aatacaaagc	aaggaaaaaa	tgaaatatct	ggtttttgct	gaatgcttaa	480
tttatttttt	actgtgccac	tccaatattt	atcaaateca	aatagcatga	atgcttctct	540
gtagtaatac	taattttgtg	ccttttgtct	gctttcttaa	gaccagttgt	tcacactttg	600
taggatatta	gacaaatata	tttcgattga	attccacaac	taaaanaaaa	aaaaacttnn	660
agcctnttag	aacttttagg	gaggtcgnat	tacggtagat	ncanaccatg	gataaggata	720
cattggatga	attttggaca	aaccccaacn	ttggaatgcc	ntggnaaaaa	aatgcttttt	780
t						781

<210> 3084
 <211> 787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(787)
 <223> n = A,T,C or G

<400> 3084

gtntaanncc	nangccttgc	catcttgcag	gateccatcg	attcgaattc	ggcacgagag	60
aacgtttctca	ggttgaccag	ctgctgtnta	tttctttaag	ggaggaagaa	cttagtaagt	120
cattgcagtg	catggataac	aatcttctgc	aagccctgct	agcccttcag	acagcttatg	180
tggaagtcca	gaggctactt	atgctcaagc	aycagataac	tatggagatg	agtgcactga	240
ggacccatag	aatacagatt	ctacagggat	tacaagaaac	atatgaacct	tctgagcacc	300
caggttttggc	atagaaatgg	tacccttgt	tcaaaatgaa	caagaagcct	tagatttgga	360
tggggaacct	gatctgtcca	gtctanaagg	attccantgg	gaaggtgttt	ccatttcttc	420
gtcccttggc	ttggcaagaa	agcgaagcct	ttctgagagc	agcgtgatca	tggacagagc	480
tccttctgtg	tatagcttct	tcagttagga	aggtacaggc	aaanaaaatg	agccccagca	540
gatggttcac	ctagtaactc	attgagggtc	tggacagagc	cagaaagcaa	ccatttgcac	600
ctttaaaaca	agaagtgaca	cctnggggct	tgccctncct	tcccgaacan	gtggaaaagg	660
ggcttgaaaa	tggtgcttcc	ccaaanggcg	acntagtnca	ccaattatcc	tctgancata	720
ttaatacctt	tgatngcatt	ttggccaaaa	agacttgacc	agncaaggaa	nagggtatt	780
cccccc						787

<210> 3085
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 3085

ngttaantan	atccttgac	tggcggatcc	ctcgattcga	attcggcacg	agattttaaag	60
tattagccaa	cctcttcagg	tattagcctg	aagataaatt	ttaacaaaac	atatacactt	120
gggtatccgt	cattgctcaa	actctatagt	gtattgctgg	agccaatagg	cagggatat	180
tttattagct	aaatttgata	tttgtctctt	gccttctgta	tcacctccaa	gctataggaa	240
atcaggattt	tgttggtctt	aagaaaacac	atgggatgtt	caactgtatat	ttaaataacc	300
tgtatttaat	gttttctctt	aggacagaaa	agtagacaca	cacacacaca	cacacacaca	360
tgttggtgtc	agctttctgt	tttatattat	ttgccattga	gattagaata	gaacaggctc	420
tattcatgca	aactatatga	aatgaaaaac	ttttaagact	cttcattaat	tggagcttct	480
gggcaacatc	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtatacag	acattttttt	540
tttaacttgn	tgattcanat	gtcttggtcc	ctgaatagtc	ctagattact	tattttgaga	600
attcattggt	aaaattacag	ggaattaaaa	taattgcctt	ttttttagan	ggtaaganat	660
gggtagaaga	ntatgcctnt	gnaaatttat	tagntattct	tgtggagaat	nccagaaaat	720
gggtatttgc	ccatgctaaa	tatganatan				750

<210> 3086

<211> 954

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(954)

<223> n = A,T,C or G

<400> 3086

tnnnnnnncc	ggnttctnnc	tcacgantnt	ngcatgcatt	tganagcatt	nacgattcgc	60
aattcggcac	gagctgcgct	atcagcgcaa	agaacctccc	gttagtgcca	ctgacccccc	120
ctnccccccag	ccccacagct	gggtctggct	gggcactgac	caggaggaaac	tgagccgcca	180
gctggaccgg	cagtcccctg	gcccgcacca	gggggagggg	agctgccccct	gtgagagtgg	240
gggangaggg	gagggcccta	ccctggcccc	tggccctcct	gggggcacca	ccagctnctc	300
aagcacnctg	gcccgaagg	aggctnntng	ggcggtcnaa	gcgagtana	tttgtgacat	360
ttgcncagc	cccttcagcc	cagnnacctg	aggagcctgt	aggggccccct	tgctgtgcag	420
taccatnctt	gtggcaggcg	acgaggacat	cgcntgngtg	tgtnaaggac	atggngcttg	480
aaggaccctg	angaagcttc	nnaaactaca	tngagaggat	ccctgggona	ctttcttguc	540
nctgcaanan	acaaccttgg	tcaagcccac	ncaacttggm	gcaaacgann	nggtgngaag	600
ggtttcccaa	cttgagagcc	tttttccgtc	cttgccccctc	ggnccanttt	cgttttttngg	660
tagccttggg	ttggaattcc	caagntcccc	cttggccttn	gngtnnctc	ncnnancaaa	720
nggggacntt	taccnatttn	cnaagggcnc	ncccnntntt	tgggcccctt	ggcccccnnt	780
ttggggccat	tggggaaacc	aaatgggggt	cnnntnnaaa	ngngnaaaaag	gggcctttca	840
attggccncc	ccntttaaaa	attnnaaatg	gggggaaaaac	ncccttttta	tcntatttnt	900
cttaaacccn	gnaanattta	aaaaccnntn	atnnaaaggg	gaaaaaaaac	cccg	954

<210> 3087

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 3087

tnnecgntaa	nnttnatgcc	ttngttnttn	entccttttt	gcaggatccc	atcgattcgt	60
tagtgtactg	gatgtcagg	ccctcaaaga	ttccttggac	cattttcatg	tgaatgaaga	120

agaaatcaat	tgtctttcat	tgaatcaaac	ggaaaacctg	ctggcttctg	ctgacgactc	180
tggggcaatc	aaaatcctag	acttgaaaaa	caagaaagtt	atcagatcct	tgaagagaca	240
ttccaatatc	tgtccctcag	tggcttttctg	gcctcagagg	cctcagagcc	tgggtgtcatg	300
tggactggat	atgcagggtga	tgtgtgtggag	tcttcaaaaa	gcccagaccac	tctggattac	360
aaatttacag	gaggatgaaa	canaagaaat	ggaaggccca	cagtcacctg	gtcagctctt	420
aaaccctgcc	ctagcccatt	ctatctctgt	ggcttcgtgt	ggtaatat	ttagttgttg	480
tgcagaagat	ggtaagggttc	gaatctttcg	ggtgatggga	gttaagtgtg	aacaggaact	540
gggattttaag	ggccacactt	caagggtatc	ccagggtctgc	tttctcccag	aatcctattt	600
gctgctttac	tgganggaat	gatggggaag	atcacctgtt	gtggggatgc	caaacagtgg	660
aagtttgaag	aaaaaaccag	aagaagtccc	cacaaaaccg	taccacaggg	gaagaaaccc	720
taaaggangg	acnttgcacc	aaagcagggt	gggaaaatcc	tnacgcctta	agtnacccga	780
tggagggaa						789

<210> 3088

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (767)

<223> n = A,T,C or G

<400> 3088

tgnttnnngt	tnnntntnag	ccttgctctt	tgcttctgca	ggatccctcg	attcgaattc	60
ggcacgaggg	ccaaagaggt	gctacatgca	ttgaaagaaa	aggttacttc	actacctgac	120
aaccataaaa	atgcccttgc	tgctaacata	gatgaaattg	tatttacatc	aacaggagac	180
atctccattt	actatgatga	gaaaggaagg	aagtttgtta	acatcctgat	gtgcttttgg	240
tatctaacca	gtgccaacat	ccccagtga	actttaagag	gagccagtgt	attccagggt	300
aagttgggga	atcagaatgt	ggaaactaaa	caacttctta	gtgcaagcta	tgagtttcag	360
agggagttca	cacaaggagt	aaagcctgac	tggaccattg	cacggattga	acactcaaaa	420
ttattagaat	aatttttctg	gaaaaatcag	cttatggact	ttagcagttg	ctgtgaaaaa	480
ctaaggaaga	aaaatttttg	ggtcatttga	tcttcactta	atctaagtct	gtgaattact	540
tttatattat	tttgaaatac	tccttgcagt	atattggcat	gatacagtaa	aagcattttc	600
cacaganttg	gtatcacctt	cttaacagaa	gncaaaaatt	caaaaaattc	caatagctcc	660
gttggttggt	gtcatattca	ataacatttn	caatgctaca	tataatttta	tagacttata	720
aagaaggtnt	tgaaaaaaaa	aaaannnnnn	nnnnnnnnnn	nngnnnn		767

<210> 3089

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (706)

<223> n = A,T,C or G

<400> 3089

naatncttgg	ctcttgttct	ttntgcagga	tcccatcgat	tcgaattcgg	cacgagaatg	60
caaagggctg	cagttctcat	tcaggctact	ttcaggatgc	acagaacata	tattacattt	120
cagacttgga	aacatgcttc	aattctaatt	cagcaacatt	atcgaacata	tagagctgca	180
aaattgcaaa	gagaaaatta	tatcagacaa	tggcattctg	ctgtggttat	tcaggctgca	240
tataaaggaa	tgaaagcaag	acaactttta	agggaaaaac	acaaagcttc	tattgtaata	300
caaggcacct	acagaatgta	taggcagtat	tgtttctacc	aaaagcttca	gtgggctaca	360
aaaatcatat	aagaaaaata	tagagcaaat	aaaaagaaac	agaaagtatt	tcaacacaat	420

gaacttaaga	aagagacttg	tgttcaggca	ggttttcagg	acatgaacat	aaaaaacag	480
attcaggaac	agcaccaggc	tgccattatt	attcagaagc	attgtaaagc	ctttaaaata	540
aggaagcatt	atctccacat	tagagcacag	tagttttctat	tcaaagaaga	tacagaaaac	600
taactgcagt	gcgtcccaag	cagttatttg	tatcagttct	attacagagc	tttaagtcca	660
aagatatcaa	atatgcacgg	gctgcacact	aatcagttct	ctatca		706

<210> 3090

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(763)

<223> n = A,T,C or G

<400> 3090

nctctactca	gattgcttgg	cgntctntnt	gcaggatccc	atcgattcga	attcggcacg	60
agccccactc	ggggtatgtg	aatgcccagc	tggagaagga	agtgcccatc	ttcacaaagc	120
agcgcatatga	cttcaccacct	tccgagcgca	ttaccagtct	tgctgtctcc	agcaatcagc	180
tgtgcatgag	cctggggcaag	gatacactgc	tccgcattga	cttggggcaag	gcaaatgagc	240
ccaaccacgt	ggagctggga	cgtaaggatg	acgcaaaagt	tcacaagatg	ttccttgacc	300
atactggctc	tcacctgctg	attgccctga	gcagcacgga	ggtcctctac	gtgaaccac	360
ttgagaaggc	tgccctctag	gctctgctca	gtcatcttgc	aattgccaca	ctgtgaccac	420
gttgacggga	gtagagtagc	gctgttggcc	aggaggtgtc	aggtgtgagt	gtattctgcc	480
agcttttcat	gctgttcttc	agagctgcag	ttatgccaga	ccatcagcct	gcctccagct	540
agaggccctt	caactggaga	aagtcagaaa	tctgacccaa	ttcacccctt	gcctctagca	600
cctcttctgt	cctgtcattc	ccacacacgt	tcctgttcac	ctcgagagag	agagagagag	660
agcaccttct	tttctgtctgn	tcacttttgc	gggctntgga	atnccagctc	ttctctntca	720
gaagaagcct	tctcttcttc	tgcttctgag	gtgtntccaa	agt		763

<210> 3091

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(774)

<223> n = A,T,C or G

<400> 3091

gnntttntn	ccttttntct	ttcaaatnct	tggtactctn	ctntttctgc	agggatccca	60
tcgattcgaa	ttcggcacga	ggaggatctg	ccttctgagg	aagtggatca	agagctgatt	120
gaagacagtc	agtgggaaga	aatactgaag	caaccatgcc	catcgagta	cagtgtatt	180
aaagaagaag	atctcgtggg	ctgggttgat	cctctggatg	gaaccaagga	atataccgaa	240
ggtcttcttg	acaatgtaac	agttcttatt	ggaattgctt	atgaaggaaa	agccatagca	300
ggagttatta	accagccata	ttacaactat	gaggcaggac	cagatgctgt	gttggggagg	360
acaatctggg	gagtttttag	tttaggcgcc	tttgggtttc	agctgaaaga	agtccctgct	420
gggaaacaca	ttatcacaa	tactcgatcc	catagcaaca	agttggttac	tgactgtgtt	480
gctgctatga	accccgatgc	tgtgctgcga	gtangaagaa	caangaaata	agattattca	540
gctgattgaa	gcaaaagcct	ctgcttattg	tatttgccaa	gtcctgggtt	gtagaantgg	600
ggatacttgg	tgctccagaa	gttantttta	catgttntg	ggaaggcaag	tttaccgat	660
ttncatgggg	aatngttctt	tcaantncca	ccaaaggatt	gttgaaagcc	ttattgaact	720
tttgcaaggg	anttccttgg	cccacaattt	ganggaatta	ttgaccttcc	tttg	774

<210> 3092
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (759)
 <223> n = A,T,C or G

<400> 3092

gnnnnnnntt nnntttcctt ttcnaatnct tggctacttg nnttttctgc agggatccca	60
tcgattcgaa ttcggcacga ggccatgtga ggacataggg agaaagcagc caccattggc	120
aagccaagag agagccctca ccaggaaacga ttggaccagc accttgatct tggattttct	180
agcctccaga acttacagta cgggtggctg gcaagatggc cgaataggaa gagctccagt	240
ctacagctcc cgcagagatc aacgcagaag gaacagcagt ctcagcgggt agcagcacia	300
gagatgattt acacaatgaa gaaagtacat gcactttggg cttctgtatg cctgctgctt	360
aatcttgccc ctgcccctct taatgctgat tctgaggaag atgaagaaca cacaattatc	420
acagatacgg agttggccacc actgaaactt atgcattcat tttgtgcatt caaggcggat	480
gatggcccat gtaaaagcaat catgaaaaga tttttcttca atattttcac tcgacagtgc	540
gaagaattta tatatggggg gatgtgaaag gaaatcaaga atcgattttg aaagtcttgg	600
aagagtgcaa aaaaatgtgt acaagagata atgcaaacag gattattaaa gacaacattt	660
gcaaccaagg aaaagccnag atttctgctt tttgggaaga agantcctgg atatgtcnag	720
gntatattac caggtatttt tataaccatc agaccaaac	759

<210> 3093
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (738)
 <223> n = A,T,C or G

<400> 3093

tctaattgctt ggcctcttgn ctttctgcag gatcccatcg attcgaattc ggcacgaggg	60
agatccagat attcttagac ctgctgtttg aacctgtgag gcatttcaag aatggagagt	120
gccattctgc agtcattcaa gcagtagaag acttggattt gtctaaagtt cttcctttag	180
gtcgtcagca cggatatcta aacagccttg agatagtatt gaaaaacatt agtcattctga	240
tcagcgcata cctgcccgaag attttgcaga tactgctctg tatgacagca accgtatcac	300
acatccttga ccaacgagaa aagatacagc tgagatttat taatccattg aaaaatttaa	360
gacgtcttgg aatcaaaatg gtaactgata tcttttttga ctgggaatca tatcagttta	420
gaacagaaga aattgatgct gtgtttcatg gtgcagtttg gccccagatc agcaggcttg	480
gatctgagag tcaatattct cctactcctc tgctgaaact gatcagtatc tggagcagaa	540
acgcaagata tttccctttg ctggctaaac agaacctggg caccagaat gtgatccct	600
gaccaatggt tttttgcaat tctctcagcc gaagaatctt tcttgatgcc cacagccagt	660
attgtaatgg gccataagtt ggatgacctt tnttaacctt tccagaattt cgagccctac	720
cggaaaccgg ttttggat	738

<210> 3094
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (738)

<223> n = A,T,C or G

<400> 3094

tctaattgctt	ggctcttgnt	ctttctgcag	gatcccatcg	attcgaattc	ggcacgaggg	60
agatccagat	attcttagac	ctgctgtttg	aacctgtgag	gcatttcaag	aatggagagt	120
gccattctgc	agtcattcaa	gcagtagaag	acttggaattt	gtctaaagtt	cttcctttag	180
gtcgtcagca	cggatatctta	aacagccttg	agatagtatt	gaaaaacatt	agtcattctga	240
tcagcgcata	cctgccgaag	atthttgcaga	tactgtctctg	tatgacagca	accgtatcac	300
acatccttga	ccaacgagaa	aagatacagc	tgagatttat	taatccattg	aaaaatttaa	360
gacgtcttgg	aatcaaaatg	gtaactgata	tcttttttga	ctgggaatca	tatcagttta	420
gaacagaaga	aattgatgct	gtgtttcatg	gtgcagtttg	gccccagatc	agcaggcttg	480
gatctgagag	tcaatattct	cctactcctc	tgctgaaact	gatcagtatc	tggagcagaa	540
acgcaagata	tttccctttg	ctggctaaac	agaacctggg	caccagaat	gtgatatcct	600
gaccaatggg	tttttgcaat	tctctcagcc	gaagaatctt	tcttgatgcc	cacagccagt	660
attgtaatgg	gccataagtt	ggatgacctt	tnntaaacct	tccagaattt	cgagccctac	720
cggaaccgg	ttttggat					738

<210> 3095

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 3095

ncttctaatt	cttgctatt	tctaattcct	ggctactttc	aaatccttgg	gnantcgctc	60
tctctncatg	atcccatcgn	ttcgaattcg	gcacgaggat	tgtgacatgg	tgtaataaag	120
gtctacatgg	ngtaataaag	gtatacatgg	tgtaataaag	gatgtgggag	cacanatcca	180
taggaatttg	acagtntagg	aattgcttta	ttattcangc	ccttcactct	cagactaccc	240
tgctctattt	gaataatgan	gcttggtggg	gtctgtggaa	aanngacan	antagaattt	300
ggncagctgc	tgaangncac	ggncctctgga	atgagtcac	gtncctctan	ggacagtant	360
nccaaattga	nacnnaaact	tttagaaaac	caatgtnatg	gggccaagca	attgggnagc	420
taggcccagc	ctnatntttt	agngattttg	aactcaatct	ttaanacct	gnaacagaan	480
gananaaagg	gtgnatattc	gngnaatgac	atncaagatc	tnactgcnet	ctnggctnct	540
anngatggnc	gaaaaantgt	gcncccaagg	tttnccct	ntatttacca	ccttgcatcc	600
atgccatngt	ngaccttaca	nntgmncaaa	agcccttgc	ccnntgtgan	ancattcccc	660
tggnancctt	ccntaccng	ntgcectctt	taantccttn	attnaaaccc	tgggggtgaa	720
aatcctgana	aatntaantt	aanaatctng	ntaccttttc	cntananaan	aactaacctc	780
nagcccn						787

<210> 3096

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 3096

gntnnnttcn	nttcctttcn	aatncttggc	tactttcnnt	ctctgnagga	tcccatcgat	60
tcgaattcgg	cacgaggag	atccagatat	tcttaggacc	tgctgtttga	acctgtgagg	120
catttcaaga	atggagagt	ccattctgca	gtcattcaag	cagtagaaga	cttggatttg	180
tctaaagttc	ttccttttag	tcgtcagcac	ggtatcttaa	acagccttga	gatagtattg	240
aaaaacatta	gtcatctgat	cagcgcatat	ctgccgaaga	ttttgcanat	actgctctgt	300
atgacagcaa	cogtatcaca	catccttgac	caacgagaaa	agatacagct	gagattttatt	360
aatccattga	aaaatttaag	acgtcttgga	atcaaaatgg	taactgatat	ctttttggac	420
tgggaatcat	atcagtttag	aacagaagaa	attgatgctg	tgtttcatgg	tgagttttgg	480
ccccagatca	gcaggcttgg	atctgagagt	caatattctc	ctactcctct	gctgaaactg	540
atcagtatct	ggagcanaaa	cgcangatat	ttccctttgc	tggctaaaca	gaagccctgg	600
gcacccagaa	tggtatatcc	tgaccaatgt	ttttgcaatt	ctctcagccg	aaagaatctt	660
tctgatgccn	acagccagta	tttgtaatgg	gacatangtt	ggatgacctt	ctttaaccct	720
ttccagaatt	ncgagcctac	nngaaaccag	gttttttc			757

<210> 3097

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (794)

<223> n = A,T,C or G

<400> 3097

gnttctaata	cttgggngnt	ttcaaannct	tggcnntttt	cnaatgcttg	gctactngat	60
ctttntgcan	gatcccatcg	attcgaatcg	gcacgaggag	ttttttgtga	tattgaggca	120
ttcatcacaga	gctgcagtta	gacgggggta	cgggggctaa	aagcagaaaa	aaaattccat	180
ttcatcgga	tggaactgaa	ggatttttatt	ctataaagcg	gccctgggtg	aatctggcaa	240
ttctttttgc	caagatccct	agcagaagat	ttagccatgt	ccttccctct	acttgtgtga	300
gtggccctct	ctgaatctct	ccagcagcca	gaggcacgtg	agaagcagaa	agagctggta	360
aataaagcct	tgggcaagcg	acttcttaga	tcagaactca	ccaaatggaa	gcctagcagc	420
tgctccataa	acctagcccc	attcttcata	tcaattttgt	ataaatatat	agaaacacac	480
acacagcctc	agacttacaa	actgattata	ctctaaaagt	ttgtatgtca	gttagctaaa	540
acttcagaat	acattttctt	ctataaaaag	agtcttaaat	gatgggtaag	ttcttcaagg	600
cagntncnca	anggcctatt	tntncccaa	agggccccct	gaacnnttng	ncccccatan	660
aaactggaac	ccnccntttt	tgntantana	nccccntggg	ggaagtgncc	nattttnnggg	720
gggttaaaaa	cccggggggg	tggccaanaa	aaacnacacn	ttntttttcc	nattccann	780
cnataangag	aagg					794

<210> 3098

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (715)

<223> n = A,T,C or G

<400> 3098

atgcttggct	cttgntcttt	ctgcaggatc	ccatcgattc	gaattcggca	cgagcttcag	60
gaactagatg	tatatgcaca	agggattgag	tttactactaa	aactaggaaa	tggagttttc	120
aatcttatgt	cttgccctct	catactttta	tttatttttt	gtcatcctgc	cttatactgg	180
gctaacaatg	agataaaaata	aaaatacctt	tgaatactct	tttccctttc	atgcatttaa	240
agccatggag	gaactagacc	attagctgtt	gccgtcacat	gcttagacac	cagttttactt	300

agcgtgttat	gaccttcttc	acccatacta	ccaaatttaa	atgggtcccg	acttcaccct	360
ctggaaggaa	gtaaactctt	ctctccccat	ggtttcagag	cagtttttac	ctgcaagcac	420
catctctgta	tgtgctctta	ctagattata	cagttcttga	gagggattgc	atcttgggtg	480
ttttgtat	ccacctcacc	cccagcacat	agccagtcct	cttgacaaa	ttaaagtactt	540
aatgtgtgtt	gagctaaatt	gaataaagga	ttattagcat	tagcatattt	tgtgccttgg	600
ttgtataagc	tgggtgtntg	ttttggtacc	tttgcaata	tttatgatta	tcaccccccc	660
acatactaaa	ttgtttttaa	aaggtttgnc	tttncttcag	aatactaccc	cange	715

<210> 3099

<211> 886

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (886)

<223> n = A,T,C or G

<400> 3099

tnancttcaa	tgtctttcca	aatncttggc	tctngttctt	tntgcaggat	cccatcgatt	60
cgaattcggc	acgagcagag	ctgtgatctg	ccccaggta	ttctgacccc	caaactggct	120
ctcaaccatg	tttacctgat	gaaaagaaga	ggtgactgtt	gtatcagctc	taaaggcctc	180
acttttgggtg	aaatgggacc	ttaaatttgat	tgcatacttg	attacttgct	gtcaatactg	240
aaattggcac	ttcataattt	taatactatt	gaactttcac	cataaccctg	tcctataaag	300
ttgacttgca	aatgaagaaa	ctctatctct	tcaatattat	aaaatatatc	caagagtcac	360
aactagttag	aaaaggacag	gatctaacta	acaatgtgag	gctgtgtctt	cacaccaatt	420
caacagagta	tcttgtaaat	gttgagagga	gangtcttta	ggtcatgggg	tgtctttcaa	480
taaagtgcct	tagaaaacag	gtgacaactg	gaattggggc	cttggaggga	ttgaatngga	540
tttaagccca	gggcaantta	aaattagggg	aaaagcngaa	ttccttcaag	gaaccgggat	600
tttaaaaacc	cagcmttgga	gnaagaaaag	ttggaaaaat	ggagcccaag	ttggntaaag	660
gaacnaattg	gaatanccctg	ggncccattg	gggatttttt	taagaaaaaa	gtggtttnaa	720
aaattgggaa	anttgaaatt	tgggnaaatt	naaaancctt	tgggaaaaag	aaattggncc	780
ctgggggggn	ccccaggcc	tttnntttng	aaaaagggcc	ntnnggggtt	ttnggccttt	840
taanaaatta	aaagggtccca	aaaattggnc	cncnmtttng	aaccna		886

<210> 3100

<211> 886

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (886)

<223> n = A,T,C or G

<400> 3100

tnancttcaa	tgtctttcca	aatncttggc	tctngttctt	tntgcaggat	cccatcgatt	60
cgaattcggc	acgagcagag	ctgtgatctg	ccccaggta	ttctgacccc	caaactggct	120
ctcaaccatg	tttacctgat	gaaaagaaga	ggtgactgtt	gtatcagctc	taaaggcctc	180
acttttgggtg	aaatgggacc	ttaaatttgat	tgcatacttg	attacttgct	gtcaatactg	240
aaattggcac	ttcataattt	taatactatt	gaactttcac	cataaccctg	tcctataaag	300
ttgacttgca	aatgaagaaa	ctctatctct	tcaatattat	aaaatatatc	caagagtcac	360
aactagttag	aaaaggacag	gatctaacta	acaatgtgag	gctgtgtctt	cacaccaatt	420
caacagagta	tcttgtaaat	gttgagagga	gangtcttta	ggtcatgggg	tgtctttcaa	480
taaagtgcct	tagaaaacag	gtgacaactg	gaattggggc	cttggaggga	ttgaatngga	540
tttaagccca	gggcaantta	aaattagggg	aaaagcngaa	ttccttcaag	gaaccgggat	600

tttaaaaacc	cagcnttggg	gnaagaaaag	ttggaaaaat	ggagcccaag	ttggntaaag	660
gaacnaattg	gaatancttg	ggncccatcg	gggatTTTTT	taagaaaaaa	gtggtttnaa	720
aaattgggaa	anttgaaatt	tggggnaatt	naaaancctt	tgggaaaaag	aaattgggcc	780
ctgggggggn	ccccaaggcc	tttnntttng	aaaaagggcc	nttnggggtt	ttnggccttt	840
taanaaatta	aaaggtccca	aaaattggnc	cncnntttng	aaccna		886

<210> 3101

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 3101

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catgtcaaca	gaaatggaga	tgtgcactgg	ggaaactgcc	ggccggggccg	ctggcccgtg	120
gacgcctggg	aggtggccaa	ggccttcctg	ccccgaggac	tagcagacaa	acaaggacct	180
gaggaatgtg	atgcagttgc	tcttttaagt	ctcatcaact	cctgcgatca	cttcgtgggt	240
gatcgaaaag	aagtcacaga	ggtaattaaa	tgtcgtaatg	agatcatgca	ctcttcagag	300
atgaaagtat	cttctacgtg	gcttcgagat	tttcagatga	agatccaaaa	ttttctgaat	360
gaattcaaga	acatcccaga	gattgtggca	gtatactcca	gaatagaaca	gctgttgacg	420
tctgactggg	ctgttcacat	ccccgaggaa	gatcagcgag	atgggtgtga	atgtgaaatg	480
ggaacttacc	tgagtggag	ccaagtcaat	gaaatagaaa	tgcagttact	aaaggagaaa	540
cttcaagaga	tatatcttca	agcagaagaa	caagaggtgt	ttgcctgaag	agctctcaaa	600
tcgactggga	atggtgaang	aatttctgag	aaacatgaag	gatcttagaa	atgggcttta	660
cngaagatat	gccagaaact	ngacagcctt	tgtcttcctt	caaaaactgg	attcacaagg	720
aacctgggag	acaaacnt					738

<210> 3102

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 3102

gnnttctaag	cttttccaaa	tacntgctct	tgttcttttt	gcaggatccc	atcgattcga	60
atcgggcacg	agatttttct	ggacactcag	acacaattta	gagtatttat	atataacttg	120
aaaacagtaa	catttccaaa	aaccgatgaa	ccccaccctg	tcccaaggaa	tgattgggtat	180
gtatgtgaag	ttcattttct	gacaaaaata	attacgttcc	acttaggatg	cacaacctatg	240
ctgtcctgta	gagaagtcac	aagttttgtg	agaattttta	aactgatgat	gtttatttcc	300
atggtaacat	gagtatacat	tttaccttct	attgtagtga	tgaatcacia	ttagtctttt	360
tttatagggt	gggtgaaaag	taattgctgt	tttgccattg	cttttaaatg	caaccacaac	420
tacttttgca	ccaacctaat	atattattaag	actttacttt	tttgagacca	atctctgaaa	480
ttgggattca	tgttgagagt	ctctaaggct	cctgataatt	tgtcgcattt	gttgntgntt	540
tttgagaaat	atttcatcac	tactcaaagt	atggctctct	ggtctgggtg	aagcttcgta	600
agctttgaaa	gccagataac	cagggtttca	gacaagtcta	gagccangtc	aggatatcaa	660
taagaccac	aggatgtagg	gcttgctcgc	tanggagaca	tttagcttat	cttcccggca	720
aaaaaggctt	gtncctcc					738

<210> 3103
 <211> 737
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (737)
 <223> n = A,T,C or G

<400> 3103
 gnttnaancc cttttgaaat ncntgctctt gntctttttg caggatccca tcgattcgaa 60
 ttccggcacga gagaaaaaca acagagagaa aaagaatacc tgagatatgt agaagcttta 120
 cgagcccaaa tccaggagaa aatgcagctg tataatatta ctttacctcc actatgctgt 180
 tgtggtcctg atttttggga tgctcatcct gatacctgtg ccaacaactg tattttctat 240
 aaaaaccaca gagcatatac tcgggcacta cattcattca tcaattcctg tgatgtccct 300
 gggggttaatt caactcttcg agtcgcaatt cataattttg cttctgcaca caggcggact 360
 ttgaaaaatc tataataaga atctgaaatt aactggtagt attttggctt ttacttaaaa 420
 tcacccctga gagagtattt aagaaaagct gttcaagtta taaaatataat aatctggaaa 480
 gaaataactgt ctcatataat aattagattg taatcattgn tttaatctct gtctgggaac 540
 caagattgaa agctgactta cttctctctt ctgncttgtg aaccatacgg agcctattat 600
 tttaaaatat gatcagacaa gtaaggcttc tcttactttg ctctgctctg atcagaagag 660
 ctcatgtgaa gtctttgaga ttctcttaat tatcatcttc tnaaactggg ttttgagctt 720
 gacagtntctg aaaaagt 737

<210> 3104
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (757)
 <223> n = A,T,C or G

<400> 3104
 gntnnnttcn nttcctttcn aatncttggc tactttcnnt ctctgnagga tcccatcgat 60
 tcgaattcgg cagcaggagg atccagatat tcttaggacc tgctgtttga acctgtgagg 120
 catttcaaga atggagagtg ccattctgca gtcattcaag cagtagaaga cttggatttg 180
 tctaaagtcc ttccttttagg tcgtcagcac ggtatcttaa acagccttga gatagtattg 240
 aaaaacatta gtcattctgat cagcgcatat ctgccgaaga ttttgcanat actgctctgt 300
 atgacagcaa ccgtatcaca catccttgac caacgagaaa agatacagct gagatttatt 360
 aatccattga aaaatttaag acgtcttggg atcaaaatgg taactgatat ctttttggac 420
 tgggaatcat atcagtttag aacagaagaa attgatgctg tgtttcatgg tgcagtttgg 480
 cccagatca gcaggcttgg atctgagagt caatattctc ctactcctct gctgaaactg 540
 atcagtatct ggagcnaaaa cgcangatat ttccttttgc tggctaaaca gaagccctgg 600
 gcaccagaa tgtgatatac tgaccaatgt ttttgcaatt ctctcagccg aaagaatctt 660
 tctgatgccn acagccagta tttgtaatgg gacatangtt ggatgacctt ctttaaccct 720
 ttccagaatt ncgagcctac nngaaaccag gtttttc 757

<210> 3105
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 3105
 ttcaaatacnc ttgctacttt cnaatcgctt ggctactcgn tctttctgca ggatcccatc 60
 gatgtcggaa ttcggcacga gangtgncc nactgtgcc tctgctngnc nctgctccna 120
 actntaacnc anttgcnttt ggtgnacang tcacctgctt gtttaaaatn tccttttgta 180
 atgtatcgng aatgtgccga gaacatatga aantggntgn caatgganat ggaangggct 240
 ttattctcac ttaanagagc cctgggagga ataagggttt atctggatca ggtatccaat 300
 tgcattggat aaacgtggcc tgaggcatga taaaatntna naacacaata ataagcctcc 360
 tggngacatc tctgnncett ttatagtccc tcanctggct tgtttgcang gtgcangatg 420
 ggtgaccacc tgacgtgctt atgtggtcag taagttatct gaatanggtc tntctanacc 480
 ccctagaatt tgtggagctn ggttgcacga taggaaatgc aagctgtgct gnggttcaca 540
 agctaggaga ggagaatggg ttggatgtgc acctggctct gcaggaagcc catcttaggt 600
 tannncctga aggataaaga anctggccac tggaatggtt gggaaaaggc tntnnganct 660
 tcccatgccc aaccttggn ctttttnggg tatnatngtg ccengncett gaacngcttt 720
 ttttaantctg acaaanatac aggganttt 749

<210> 3106
 <211> 726
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(726)
 <223> n = A,T,C or G

<400> 3106
 tgagttcaat gttggcnttg cnaatnctgn ctgtncncn nttgcgggtt aaccagnctn 60
 ncgattgagg antaaaggct atngatggct agaantgan tgacgttngg aatccacccc 120
 gtttattgta gaactggggg ttcagagggc aggtgcctca gagttgaggc cacacagtga 180
 ggtctggtgg gtgaaaggac ccaggaacga ggcgttcang aaagcagggt gtcagagcta 240
 tgtggagtct gtgggtggca ngggcagccg ctccagcctt tgaagacttt gaaagccaca 300
 gattcctggc gcaggtcttg acttncctgg agtcctcca agtaccann ggcacanan 360
 ctgcctgggt gttacatggc ccanngaacc catgttcang gtaggacatg catnaccaga 420
 taccaatgt gcanagtga nacactgggc tccctgttaa acgatgaaga attcangaca 480
 gtgacagcat tacntnacc ctggggacaa gaggtcagcc taaggtgaca cacggttgac 540
 tactgtgctt cggaggctcc ctgtgtcctg gnnagaagaa agcattnnag ggggcagctg 600
 gaccangctc ccaactgcag aagttccagc cctggcttgg gcaagggccc cggnccttgg 660
 actcacnatt nnctgatatg ccttaagnaa ttcattctgg tttgnacaat tntttttttt 720
 aaaaan 726

<210> 3107
 <211> 907
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(907)
 <223> n = A,T,C or G

<400> 3107
 gtttaatcnt tggcattttn anategctng ncganccgat cgattngaana nnggcacgag 60

gcagctgaaa	gangatctgt	ccagcntcat	cctcctatca	gaggaggacc	tccagatgct	120
tggtgacgct	ccctgctcag	acctggctca	ggaactacgt	canagttgtg	ccaccgtcca	180
gcggctgcag	nacacactnc	aacagggtgct	tgaccaaana	naggaantgc	gtcagtccaa	240
gcagctcctg	cagctgtacc	tccaggcttt	gganaaagag	ggcaatnctc	tngtcaaagc	300
angaagagtc	caaagctgcc	tttgggtgag	aggnggatgc	antagacacn	gggnatcagc	360
atgagagacc	tgctaagacg	ttgcgcttgg	cngagccnca	tccttactgc	acttgnaggg	420
agaagcaggc	tncanaagct	gtngcttata	taatacaggn	attncggagt	tgggttacct	480
aaaggnanna	cccccaaaan	cacttgnctt	gtatggnctt	ggaacctggg	gacantnaaa	540
gaatnaccgg	gacacctggg	tcanagnaana	gcccttgtna	gtcagtttan	ccttnggnan	600
cttgcnnaact	ntgcccaatta	aannaacnnc	cnataancct	ttggcaannt	tcntcccttt	660
ccngntaagg	ncaatatttn	nanaccanag	gccccaaagg	nncccccttca	acccaaancc	720
tttgggggtg	gaaccncttg	ggcnaanaaa	aatnccccctt	taaagtcnccg	atntgncccc	780
aaggnaacgg	ggggaattct	cccananta	tttngtccnn	tacnnannat	ctnnggttaa	840
actntgnacg	ccccanaagg	ggaaaantct	tctnttttgn	gggctccnaa	ntntatggg	900
ttaannnn						907

<210> 3108

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 3108

tcttnnnntng	gctattngat	ctctntgcag	gateccctcga	ttcggaagac	accagtggtg	60
gaatcgagtg	tttggccaca	gttcgggacc	tatggtagaa	aaatactcag	tagctaccca	120
gattgtaatg	ggtggcgta	ctggctgggtg	tgcaggattt	ctgttccaga	aagttggaaa	180
acttgcagca	actgcagtag	gtgggtggctt	tcttcttctt	cagattgcta	gtcatagtgg	240
ctatgtgcag	attgactgga	agagagttga	aaaagatgta	aataaagcaa	aaagacagat	300
taagaacaag	gcgaacaaag	cagcacctga	aatcaacaat	ttaattgaag	aagcaacaga	360
atttatcaag	cagaacattg	tgatatccag	tggatttgtg	ggaggctttt	tgctcggact	420
tgcatcttaa	ggacatgaat	attctcccat	aacggattca	actatgagaa	gagaagtggc	480
agcaataagg	cagtctctca	aaagtcatac	tgccagagtc	tctagggcaa	ggagaaacaa	540
ctagctggac	aatactcaat	tcacaactta	gcattttgcc	atctgaagct	tggcaaacata	600
gtatctgctg	taaaacaacc	tatatggtat	gtgaaccgta	gtattcctga	gcaaaacgtg	660
gctttcatcg	ctttgtaaaa	atttggcatc	tgttttagaaa	ctagcctata	aaata	715

<210> 3109

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 3109

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gaatcgagtg	tttggccaca	gttcgggacc	tatggtagaa	aaatactcag	tagctaccca	120
gattgtaatg	ggtggcgta	ctggctgggtg	tgcaggattt	ctgttccaga	aagttggaaa	180
acttgcagca	actgcagtag	gtgggtggctt	tcttcttctt	cagattgcta	gtcatagtgg	240
ctatgtgcag	attgactgga	agagagttga	aaaagatgta	aataaagcaa	aaagacagat	300

taagaaacga	gcgaacaaag	cagcacctga	aatcaacaat	ttaattgaag	aagcaacaga	360
atztatcaag	cagaacattg	tgatatccag	tggaattgtg	ggaggctttt	tgctcggact	420
tgcatcttaa	ggacatgaat	attctcccat	aacggattca	actatgagaa	gagaagtggc	480
agcaataagg	cagtctctca	aaagtcatac	tgccagagtc	tctagggcaa	ggagaaacaa	540
ctagctggac	aatactcaat	tcacaactta	gcattttgcc	atctgaagct	tggaacta	600
gtatctgctg	taaaacaacc	tatatggtat	gtgaaccgta	gtattcctga	gcaaacgtg	660
gctttcatcg	ctttgtaaaa	atttggcatc	tgtttagaaa	ctagcctata	aaata	715

<210> 3110

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 3110

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gtttttcgaa	gatcaactca	agaagcaaga	gttagcccgga	gggtcaaagtc	gaagtcagca	120
aacctcaggg	ctgtcagagc	agattgatgg	gagcgctttg	tcctgctttt	ccacacacca	180
gaacaattcc	ttgtctgaatg	tatttgcaga	tcaacctaat	aaaagtgatg	caaccaatta	240
tgctagccac	tctcctcctg	taaacagggc	cttaacgccca	gctgctactc	taagtgtgtg	300
tcagaattta	gtgggtgaag	gactgcgatg	tgtagttttg	ccagaagatc	tttgccacaa	360
attnctgcaa	ctggcanaat	ctaatacagt	gagaggaata	gaaacctgtg	gaatactctg	420
tggaaaactg	acacataatg	aatttactat	tacccatgta	attgtgccaa	agcagtctgc	480
gggaccagac	tattgtgaca	tgganaatgt	tnaggaatta	ttcaatgttc	aggatcaaca	540
tgatctctc	acttctaggg	atggatccat	acacatccta	ctcaaactgc	atttttatcc	600
anccgttgat	ctttacactc	actgnncctt	atcaacttat	gttgccaaga	agccnattgg	660
ccatttnttg	gctcaccaaa	agcntaaaga	cactggccctt	cttangctta	ccaatgcttg	720
gnttgcttgn						730

<210> 3111

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(787)

<223> n = A,T,C or G

<400> 3111

ncttctaata	cttggtctatt	tctaatactt	ggctactttc	aaatccttgg	gnantcgctc	60
tctctncatg	atcccatcgn	ttcgaattcg	gcacgaggat	tgtgacatgg	tgtaataaag	120
gtctacatgg	ngtaataaag	gtatacatgg	tgtaataaag	gatgtggggag	cacanatcca	180
taggaatttg	acagtntagg	aattgcttta	ttattcangc	ccttcaactct	cagactaccc	240
tgtcttattt	gaataatgan	gcttgtgggtg	gtctgtggaa	aantngacan	antagaattt	300
ggncagctgc	tgaangncac	ggncctctgga	atgagtcac	gtncacctan	ggacagtant	360
nccaaattga	nacnnaaact	ttnagaaaac	caatgtnatg	gggccaagca	attgggnagc	420
taggcccagc	ctnatntttt	agngattttg	aactcaatct	ttaanatacct	gnaacagaan	480
gananaaagg	gtgnatattc	gngnaatgac	atncaagatc	tnactgcnet	ctnggctnct	540
anngatggnc	gaaaantgt	gcncccaagg	tttnccccct	ntatttacca	ccttgcatcc	600
atgccatngt	ngacettaca	nntgnncaaa	aggcccttgc	ccnntgtgan	ancattcccc	660
tggnancttt	cccntaccng	ntgccctctt	taantccttn	attnaaaccc	tgggggtgaa	720

aatcctgana aatntaantt aanaatctng ntaccttttc cntananaan aactaacctc 780
nagcccn 787

<210> 3112
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (746)
<223> n = A,T,C or G

<400> 3112
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ttcgaattcg gcacgagatt tgtaccaact gtaccatctg cttgttnctg ctccaaactt 120
ttaccacatt gcttttggtg aagaggtcac ctgcgtattt aaaatatacct tttgtaatgn 180
at ttgggaaa gtgccaagaa cntntnnaaa tgggtggnaa ttgaaattga aagggcnttt 240
aat tttc ntt aanaaanacc ctnggaggng anataagggt tttatctggn atcagggtnt 300
ccaatggcat tgntatanac gtggcnctgg ggcagggata aaatttataaa aacncaatan 360
taagcctcct ggtgacatct ctgccctttt atagtccctn atctggett gttgcagggn 420
gcaagatggg tnaccacctg acgtnccttat gtggtcanna tgttatcaaa aggggntttt 480
ctctangacc ccctanaatt tgtggagctg ggttgatca taggaaaatg caagctgtgc 540
tggtgtacac agctagagag ganaatgggt tggatgmca cctgctntgc angangccna 600
tctcagttat tgctgangat aaaaagctng ccttggaatg gaanggaaag gctnnangaa 660
cttcccatgc nacctggccc tttttgggta tggncgggtg ccaaaacctg ancttgtnt 720
taccnngac aaaggngggg ggtttt 746

<210> 3113
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (755)
<223> n = A,T,C or G

<400> 3113
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gcacgaggtc tagtataatc ttgatgctca aaccagataa ggacaatata agaaaggaag 120
agtataggtc aattctaccc aataactaaa tgaagtatta gcaaaccaga ttcataata 180
atcttttata aatcaagaat taattggatt taggaatata acactgtgta taacaagttt 240
aagagaaata tatgagaatg ataagactgc aattgaaagt agaggctttc tctggaggga 300
aagggtgagg ggatgtgatt tggaagaaca gcatggggag gcatcagttg tattgtaatg 360
tttatttttt aagctgaatg ataggtacgt agatgttcat tgtgttcttt ttgccttttt 420
gtatatctta aatatatggt agtgccatga ttagcaggct taatagcctt gtgagtttaa 480
atgtcacttt caaatgctgt atttttggtg gagttgctta aacacattcc ccttggnatc 540
tatacaacca gttaaaaaaa atcatgtata naccacccat tgaaaatata atggaaatgt 600
actgnatatg ccattttcat gaaatgggtg tgtcaaaggg gcttnttagg aaaaaaaaag 660
atcgtttaac tctttttgca ttttaagtga aaataagggt ggctttngga aatagtttca 720
acccttgctt aaccagtttt ttttttcatt cttnn 755

<210> 3114
<211> 749
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 3114

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actntaacnc	anttgcnttt	ggtgnacang	tcacctgcgt	gtttaaaatn	tccttttgta	180
atgtatcgng	aatgtgccga	gaacatatga	aantggntgn	caatgganat	ggaangggct	240
ttattctcac	ttaanagagc	cctgggagga	ataaggtttt	atctggatca	ggtatccaat	300
tgcatgtgat	aaacgtggcc	tgaggcatga	taaaatntna	naacacaata	ataagcctcc	360
tgngacatc	tctgncctt	ttatagtccc	tcanctggct	tgtttgcan	gtgcangatg	420
ggtgaccacc	tgactgtgct	atgtgtcag	taagtatatc	gaatanggtc	tntctanacc	480
ccctagaatt	tgtggagctn	ggttgcatca	taggaaatgc	aagctgtgct	ggngttcaca	540
agctaggaga	ggagaatggg	ttggatgtgc	acctggctct	gcaggaaagc	catcttaggt	600
tannncctga	aggataaaga	anctggccac	tggaatgggt	gggaaaagc	tntnnganct	660
tcccatgccc	aaccttggn	cttttnggg	tatnatngtg	ccngncctt	gaacngcttt	720
tttaantctg	acaaanatac	aggganttt				749

<210> 3115

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 3115

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attcgaattc	ggcacgagaa	gtctgttgcc	attccatccc	tytgtaaca	ccttatattt	120
ttatgaaatt	cagataattt	gtgagaggct	ggcatggatc	taaggattta	ttatttttat	180
tctagtccat	cagttcagtc	gcagttttta	tactaggact	ttaggatgta	cataaatgtg	240
tgactgtttg	tcttgattaa	aagtgcactt	tggcctgggc	atggtggctc	atgcctataa	300
tcccagcact	ttgggaggcc	aaggcgggtg	gctcacttga	ggctaggagt	tcaagactag	360
cgtggccaac	atgaggaaac	cctgtctcta	ctaaaaatac	aaaaattagc	tgggtgtgtt	420
ggtgcatgct	tataatccca	gctacttggg	aggctgaggc	aggagaatcg	cttgaaccca	480
ggagggtggag	gtttgcagtg	agcccgagat	tatgccactg	tactccancc	gtgggtgaca	540
gaatgagact	ctgtctcaaa	ttaaaaaaa	taaaaaaata	attttttttt	tttaaaagta	600
cccctttgnt	ggctggggca	cggcgactna	cgcctgtaat	nccagcacat	tggggaggcc	660
aaggcagggc	agatcaccaa	ggttagggag	ttccanacca	gccttggcca	acatggngga	720
aacccctgcn	tttactggaa	aann				744

<210> 3116

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 3116
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 gggatcccat cgattcgaat tgggcacgag acaagggtgct ggcagtgaag tgggggcaga 120
 ctgagcctgt gtagtgaagt gtcttgagga acgtcagctg tatcttttag gaaacccaaa 180
 ctgcatagac attgaaccca ggcagaaggt catgaagtca gagctaagaa atgctagtgg 240
 ggataggggg tgagatagag ttgggaaatg tttcagagct acagggtgaca gttgttggtg 300
 tccagttgga tatgtacat gaagggaaga agcagtcaga gtgggcacca agctttctag 360
 cctggaggac tgaatggttc tgtgcacatt tcagatggaa agaataagagg cccacagaaa 420
 gttaatgaga tgcattttat acataccagt tttgaatttt aaggacctgt ggggtagata 480
 tccaagatgg ctattcccag taatttgtat ttatatcttg ctacatcgca gaaaggattt 540
 gaagcttgct aacacacata agatataaga attaaaatag gctggaccnt gggaacctca 600
 cacctgtaat nccagcattt ttggggaagg ccnaagccgg gttggatcac tttgaaggtc 660
 aagaantttc cagaccaccc tggccaacat tggtnaaaac ccccatcctt tattaataaac 720
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<210> 3117

<211> 830

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (830)

<223> n = A,T,C or G

<400> 3117
 gcttcaatgc ttttcatttc aaatncttgg ctctttcaaa tccttggnac ncgatcnctt 60
 tgcaggancc cancagcnnn nntgcggaac nggcttaacc agttcgggac ttacagnang 120
 ctaccaatgg nnnntggccc nncgangata nggatctcg ccacatggag gttttgggnc 180
 gggancttna acgtacctg cnacnnaatnt tggntggnt ccntgttnac nannttgtnc 240
 ttntgccaan gggcactcan tnatgcctat actatnnngc nnacancata acgnnnnnct 300
 cncnnnatgn cttncacatt ncncaatcat gtatnatgca tgatangcaa 360
 gtagtcactg cntagtga tanggacngg atctnccnta caatgtnang ctgaanntnn 420
 acacnnatgc nacanactan cntggnaatg ggtataggac angtnnnnta gntcatgnnt 480
 gactatgnan nagtgcnnn gngannatgn gatanntgan cnnncttga agtctnaatg 540
 gatgnatcca gcnnatngna atnngnnaan cctcntacta caagactgan ataaatgnan 600
 ttttgacgat aatgctnaat aatgnatcta anatgnaant taccatgttg gnaaacttgg 660
 gcccatgngc anaatttnan aaaaggtttt ggaaaattgg aaatggattg ngtagcaatt 720
 aaagcttttn tacccttang ngcccnntga cctcncnngg gnattganat naantgnntt 780
 ccggaatttg gcctctgant attttngctt ataaatccnn nttgncgacn 830

<210> 3118

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (738)

<223> n = A,T,C or G

<400> 3118
 tttcaaatng cttggctact ngttcttttt gcaggatccc atcgattcga attcggcacg 60
 aggcctggac cgctcattcg gactcgtcgg gcagagcttt tgtgctgmct tgcaccagga 120
 actcagagaa tactatcgat tgctctctgt tttacattct cagctacaac tagaggatga 180
 ccagggtgtg aatttgggac ttgagagtag ttttaacactt cggcgccctcc tggtttggac 240

ctatgatccc	aaaatacgac	tgaagaccct	tgcgcccta	gtggaccact	gccaaggaag	300
gaaaggaggt	gagctggcct	cagctgtcca	cgcctacaca	aaaacaggag	acccgtacat	360
gcggtctctg	gtgcagcaca	tcctcagcct	cgtgtctcat	cctgttttga	gcttcctgta	420
ccgctggata	tatgatgggg	agcttgagga	cacttaccac	gaattttttg	tagcattcag	480
atccaacagt	taaaacagat	cgactgtggc	accgacaagt	atactttgag	gaaaatcgat	540
gattncttcg	tttatgaacg	atggatcaag	tctangaaag	gtccttttga	taggaaaatc	600
aattaaattt	cttgcccaag	gtttggccat	gatcagactt	cccacnttca	aaaganggat	660
nagcttggtg	aaccaanttc	ttgcagangt	caccccaagg	aatgcttgna	anacctnttt	720
cccananctt	tggnaaat					738

<210> 3119

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (794)

<223> n = A,T,C or G

<400> 3119

gnttctaata	cttggngnt	ttcaaannct	tggnnnnttt	cnaatgcttg	gctactngat	60
ctttntgcan	gatcccatcg	attcgaatcg	gcacgaggag	ttttttgtga	tattgaggca	120
ttcatacaga	gctgcagtta	gacgggggta	cgggggctaa	aagcagaaaa	aaaattccat	180
ttcatcggga	tggaactgaa	ggattttatt	ctataaagcg	gccctgggtg	aatctggcaa	240
ttctttttgc	caagatccct	agcagaagat	ttagccatgt	ccttcccctc	acttgtgtga	300
gtggcccctt	ctgaatctct	ccagcagcca	gaggcacgtg	agaagcagaa	agagctggta	360
aataaagcct	tgggcaagcg	acttcttaga	tcagaactca	ccaaatggaa	gcctagcagc	420
tgctccataa	acctagcccc	attcttcata	tcaattttgt	ataaatatat	agaaacacac	480
acacagcctc	agacttacaa	actgattata	ctctaaaagt	ttgtatgtca	gttagctaaa	540
acttcagaat	acattttctt	cctataaaag	agttttaaat	gatggttaag	ttcttcaagg	600
cagntncnca	anggcctatt	tntnccccaa	agggccccct	gaacnnttng	ncccccatan	660
aaactgggaa	cnccnttttt	tgnntantana	nccccntggg	ggaagtgncc	natttnnggg	720
gggttaaaaa	cccggggggg	tgccaanaa	aaacnacacn	ttntttttcc	nattcccann	780
cnataangag	zaggg					794

<210> 3120

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 3120

nttntnncct	tnnnccanac	tnaacncttt	gcacttnctc	tttntgcagg	atcccatcga	60
ttcgaattcg	gcacgagatt	tgtaccaact	gtaccatctg	cttgttnctg	ctccaaactt	120
ttaccacactt	gcttttggtg	aagagggtcac	ctgcgtatct	aaaatatcct	tttgaatgtn	180
atttgggaaa	gtccaagaa	cntntnnaaa	tgggtggnaa	ttgaaattga	aagggcnttt	240
aattttcntt	aanaaanacc	ctnggaggng	anataagggt	tttatctggn	atcagggtnt	300
ccaatggcat	tgntatanac	gtggcnctgg	ggcagggata	aaatttaaaa	aacncaatan	360
taagcctcct	ggtgacatct	ctgccctttt	atagtccttn	atctggcttg	tttgagggn	420
gcaagatggg	tnaccacctg	acgtnccttat	gtgggtcanna	tggtatcaaa	aggggntttt	480
ctctangacc	ccctanaatt	tgtggagctg	ggttgtatca	taggaaaatg	caagctgtgc	540

tggtgtacac	agctagagag	ganaatgggt	tggatgnnca	cctgctntgc	angangccna	600
tctcagttat	tgctgangat	aaaaagctng	ccttggaatg	gaanggaaag	gctnnangaa	660
cttcccatgc	nacctggccc	tttttgggta	tggnccggtgn	ccaaaacctg	ancttgtnt	720
taccccnagac	aaaggngggg	ggtttt				746

<210> 3121

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (773)

<223> n = A,T,C or G

<400> 3121

gcccccttca	ttcaaatect	tggtactcgc	ttctttntgc	aggatcccat	cgattcgaat	60
tgatgagcct	tattaactat	cttttcatta	tgagacaaag	gttctgatta	tgccactcgg	120
ttgaaatttt	ttaatctagt	caagaaggaa	aatttgatga	ggaaggaaag	aatggatata	180
ttcagaagg	cttcgcctaa	gctggaacat	ggatagattc	cattctaaca	taaagatcct	240
taagttcaaa	tatatgag	ttgactggta	gatttggtgg	tagttgcttt	ctcgggatat	300
aagaagcaaa	atcaactgct	acaagtaaag	aggggatggg	gaagggtgtg	cacatttaaa	360
gagagaaagt	gtgaaaaagc	ctaattgtgg	gaatgcacag	gtttcaccag	atcagatgat	420
gtctgggttat	tctgtaaatt	atagttctta	tcccagaaat	tactgccttc	accatcccta	480
atatcttcta	atnggtatca	tataatgacc	cactcttctt	atgntatccc	aaacagttat	540
tgtggcattt	aataatggaa	tgtncatggg	aattttccca	ctggccctac	ctttctgncc	600
ttggggaagc	ttaaactctg	gaatcttctc	aatctgtaaa	atggggaatt	aaaagtatct	660
acctaactga	gttgggaatg	nanntgaaaa	gaaaggccat	ttttntaaa	tcttggaatt	720
tagccaagcc	cacntccgat	tttatggccc	tttcccatng	ccctggantg	nnn	773

<210> 3122

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3122

nctctttgac	ctcnnttggc	tactngttct	ttntgcagga	tcccatcgat	tcggtcagat	60
ggtagaaaat	gaaataatta	aatagatacc	atttgagttc	tgggagccag	gtgaagaagt	120
gtttgtttgt	ttttgagacg	gagtctcact	ctgttaccca	ggttggagtg	cagtggcctg	180
atcttggegc	actgcaacct	ccgccttctg	ggctcaagtg	attctcctgc	tccagcctcc	240
tgagtagctg	gggctacaga	cgtgtaccac	cacacctggc	tactttttgt	attttttagca	300
gagaggggat	ttcgccatgt	tggtcaggct	ggttttgaac	tcctgacctc	aggtgatctg	360
cccaccttgg	cctctcaaag	tgctgggatt	acaagcgtga	gccactgtgc	ccggccagaa	420
ggagtgtttt	gagaatggct	aagagaagat	aggttgaata	gctatgccta	catgtcacta	480
attaacatct	cagagatctc	tgctacaggt	tgtccgtcct	cattttgtct	aatatttttc	540
caatggcatg	agtataggaa	gataaacggg	gaatgttttg	aagtaataaa	aaaattccat	600
tcataaagaa	gaacaacatg	tattaagctt	tgtgcaccaa	acaacacaaa	cagggaagac	660
acataaggca	anaagctttt	agnaaaaaaa	nnntncntnn	nnannntaat	aaaaaactnn	720
ggncctttng	aactntaggn	gagnccgntt	ttaccgtana	atccaganct	gaata	775

<210> 3123

<211> 775
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (775)
 <223> n = A,T,C or G

<400> 3123

nctctttgac	ctcnnttggc	tactngttct	ttntgcagga	tcccatcgat	tcggtcagat	60
ggtagaaaat	gaaataatta	aatagatacc	at ttgagttc	tgggagccag	gtgaagaagt	120
gtttgtttgt	ttttgagacg	gagtctcact	ctgttaccca	ggttggagtg	cagtggcctg	180
atcttggcgc	actgcaacct	ccgccttctg	ggctcaagtg	attctcctgc	tccagcctcc	240
tgagtagctg	gggctacaga	cgtgtaccac	cacacctggc	tactttttgt	at ttttagca	300
gagaggggat	ttcgccatgt	tggtcaggct	ggttttgaac	tcctgacctc	aggtgatctg	360
cccaccttgg	cctctcaaag	tgctgggatt	acaagcgtga	gccactgtgc	ccggccagaa	420
ggagtgtttt	gagaatggct	aagagaagat	aggttgaata	gctatgccta	catgtcacta	480
attaacatct	cagagatctc	tgctacaggt	tgctcgtcct	cattttgtct	aatatttttc	540
caatggcatg	agtataggaa	gataaacggg	gaatgttttg	aagtaataaa	aaaattccat	600
tcataaagaa	gaacaacatg	tattaagctt	tgtgcaccaa	acaacacaaa	cagggaagac	660
acataaggca	anaagctttt	agnaaaaaaa	nnntncntnn	nnannntaat	aaaaaactnn	720
ggncctttng	aactntaggn	gagnccgnnt	ttaccgtana	atccaganct	gaata	775

<210> 3124
 <211> 820
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (820)
 <223> n = A,T,C or G

<400> 3124

tcccnagant	ccatncgttt	ggcnactcgt	tctttntgca	ggatcccatc	gattcgaatt	60
cggcacgagt	gttctttag	tgtttgttgc	tattgttaga	aagattatta	gtgatatgtg	120
gggtgtctta	gctaaacaac	agacacatgt	aagaaaacac	cagtttgatc	atggagagct	180
ggtttaccat	gcattgcaat	tgtttagcata	tacagccctt	ggatatttta	ttatgagact	240
aaaactcttc	ttgacaccac	acatgtgtgt	tatggcatca	ctgatctgct	caagacagct	300
atttggatgg	ctcttttgca	aagtnccatc	tggtgctatt	gtgtttgcta	tattancagc	360
aatgtcaata	caaggttcag	caaactcgca	aaccacgtgg	aatattgtag	gggaagttca	420
gcaatttgcc	ccaagaagaa	cttatagaat	ggatcaaata	tagtactaaa	ccagatgcag	480
tgtttgcngg	tgccatgccc	acgatggcaa	gtgttaagct	ctctgcactt	cggcccattg	540
tgaatcatcc	acattatgaa	gacgcagtct	tganagcccn	aacaaaaaat	angttttact	600
naaatgtata	ngtacgggaa	aggcacnccg	anggaaagtg	aaaacgagga	actngattaa	660
agttnaaaaag	gtggaactta	ttancattnc	ctatanaant	agttcatggg	tgtgntaaan	720
aaaggatccn	aagcccttgg	tttgcangtt	tgccctggaa	antttggggg	atgttnggaa	780
gaanacctng	cccaaattggc	ttggggcaaa	aacnttccct			820

<210> 3125
 <211> 776
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (776)
 <223> n = A,T,C or G

<400> 3125

ntcctctntt	gccttcgntt	ggcnacttgn	tctttttgca	ggatcccatc	gattcggttg	60
agcaatatga	atataatgcc	aagtactgat	aaaatacggg	attcatttag	aatcaacata	120
ggtagacaga	ctgttttttag	taagggtttg	ttttttggtg	aataccatgt	ttgggctgtc	180
agacttactt	ttcccctgag	atccatattt	tgtacatgac	ataccagata	tatgcaatat	240
gaaacggaaa	cagttttttca	atctaataatc	caggagtttg	tggttaatatc	ttgtgaactt	300
gtggctcttg	gtatctggca	ttgataaggc	tgtctactaa	tcctagagaa	aggggaagtag	360
actccgtttt	aaagtctagt	ccagtcctat	tcttttagttc	atagaaatgg	tctaagttaa	420
tgatagactc	cgcacttatg	ttcagaaagc	atcatcatta	cagctttgtt	gaagggactt	480
ctgagtaang	attatgtttg	cgtctcctgt	tggtggaagg	cccatgaagc	gtaatttcct	540
netcaccatg	ggcttcttta	ttattgntga	gtttttcata	ctcanggatg	tgaattcaac	600
cttggtgtgt	ccagttcaga	gaaaatatatt	catgaaagga	tgaagtgttg	gttcaattct	660
aggaccagna	ttgagtggca	ttatattcca	gangtcctta	tgggaaatgc	tgggatttat	720
tgagtnggtt	tnncaggnc	ttttcgntcc	ntttgccttg	ggactaacta	anacan	776

<210> 3126
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (813)
 <223> n = A,T,C or G

<400> 3126

gcctccttct	ttcaaaacnc	ttggctactn	gttctttttg	caggatccca	tcgattcgaa	60
ttcggaacga	ggccacacgg	gccgcatcat	ncctgcaatc	tggttccgct	acgacctcag	120
ccccatcacg	gtcaagtaca	cagagagacg	gnagcccgnt	gtacagattc	atcaccacga	180
tctgtgccat	cattggcggg	accttnaccg	ncgccggcat	netggactca	tgcattctca	240
cagcctntga	ggcctggaag	aagatccagc	tgggcaagat	gcattgaagc	cacacccagc	300
ctaattggccg	angaccctgg	gcacgcgccg	ccttgccctc	agtgcctctg	ntnctttggc	360
cctcaatctg	gncccaaata	tggtctgtgc	ccaaagggtg	tgtgggaagt	gggggggaaag	420
tanaggatgg	ctcgatgttt	tgcagctacc	tcttttnccc	gtgttncttt	ttagacaaat	480
tacactgcct	gaagttgcan	ttcccctttt	cctggggagc	ccnaagaaca	gagtcnnggc	540
anggggtggg	gagtcacagg	atcttggggg	acccctccta	aggagaagct	tgcagtctct	600
tcntaagggg	gaacatccca	gaatgcatta	tcgantcagc	ttnttaagcc	caggctttan	660
acaaattctt	nnnagnnccc	caattagggt	nggacaccat	ttaaatgaat	ttgggtttac	720
ttcccctggg	ggcaagncca	anccttgccc	ccanaaggct	acncanaaac	cttgggggct	780
tttaagcctt	ttggggaccc	aggnttggcn	nnt			813

<210> 3127
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (739)
 <223> n = A,T,C or G

<400> 3127

gnnttnnnnn	nttttcaant	nnnggctctg	ntcttttgca	ggatccctcg	attcgaattc	60
ggcacgagcc	tagtcccaga	gtcctggagc	ggcatactgg	gggtggctgt	gcagtcccag	120
catccccaac	ccagcatgta	tagagagcat	ccatccttac	atccagctga	cccatgccc	180
tgctcctccc	tgtggctgga	ggttcaacaa	taacataagt	ctcttctttg	ccctccagat	240
atttctccct	cgagtggctg	ggaaacttgg	caagagacca	gaggacccaa	atgcagaccc	300
ttcaagttag	gccaaggcaa	tggtgtgccc	ctatcttctg	agaagaaagt	tcagtaattc	360
cctgaaaagt	caaggtaaag	atgatgattc	ttttgatcgg	aatcagtggt	acccgagggt	420
cgctgacaca	gagaaacccc	aacgcgagga	aaggaatggc	cagccacacc	ttcgcgaaac	480
ctgtggtggc	ccaccagtcc	taacgggaca	ggacagagag	acagagcagc	cctgcactgg	540
tttcccttca	ccacagccat	cctgtccctt	cattggctct	gggctttcca	ctatacacag	600
tcaccgtcca	atgagaaaca	agaaggagca	cccttcacat	ngactccaac	tgcaagttgg	660
acagcgacat	tcaatcctgn	actggttaac	tggggttact	ggatgactcc	tggttgccca	720
ccatnctttt	tgactggga					739

<210> 3128

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (782)

<223> n = A,T,C or G

<400> 3128

ntgcttctct	tncnnaaccc	tttggnnaact	ncctctttnt	gcaggatccc	atcgattcga	60
aaatatttta	gtataagcaa	ttggctgtga	tgctcaaatt	tattgcatcc	tcttattgaa	120
tttgccaatt	tgtaattttt	gcataataaa	gaaccaaagg	tgtaatgttt	tgttgagagg	180
tggtttaggg	attttgggccc	taaccaatac	attgaatgta	tgatgactat	ttgggaggac	240
acatttatgt	accagagggc	ccccactaat	aagtggtaact	atgggttactt	ccttgtgtac	300
atttctctta	aaagtgtat	tatatctgtt	tgtatgagaa	accagtaaac	caataaaatg	360
accgcatatt	cctgactaaa	cgtagtaagg	aaaatgcaca	ctttgttttt	acttttccgt	420
ttcattctaa	aggtagttaa	gatgaaattt	atatgaaagc	atttttatca	caaaataaaa	480
aaggtttgcc	aagctcagtg	gtgttgnatt	ttttattttc	caatactgca	tccatggcct	540
ggcagtgtta	cctcatgatg	tcataatntg	ctgagagaag	caaattttct	ttctttctctg	600
aatcccacaa	agcctagcac	caaacttcct	tttttcttcc	tttaattaa	atcataaata	660
aatgatcct	gggggaaaaa	ngcatctgtc	aaaataggga	aaacattccc	aaaactggag	720
ccactcttct	tgtgcaccta	anccatagct	tggtgaccaa	acaagatngg	ttgcttcaag	780
gn						782

<210> 3129

<211> 1407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1407)

<223> n = A,T,C or G

<400> 3129

acnnnacnnn	gnaagnnacn	ngaananng	naanngacna	anngnanagn	gnaananaag	60
gngggggnga	gaccnccagn	nggnngccan	naaccccntg	ggnaaanngc	cnananngca	120
ggaacccanc	gnangnaaan	nnggnannga	ggcagagnac	ccgcaggaan	cnnaaacann	180
gannacaggc	aggaaacnna	caaaaaggag	ganngngaaa	acaaanacan	acagnaggc	240
caaagnaaaa	aacatcagna	nncgcnnana	cagnncangn	annccaagga	anaanaaggg	300

aagganaaac	aagngnnna	aaagaacaaa	ggagngaang	ccananangc	nnagcnaann	360
naaacaana	cggggganaa	ggcganaanc	nacngnanna	nngcaannag	aangaannan	420
acgnnnagcg	gcgannagna	nggacagcgn	agannnnann	nnnnnaggan	nnnagnacan	480
agnnnacgan	cggcacanana	ggcgganana	gnnnngancac	angacacaaan	acanacacga	540
ncaggcnng	annanacacg	gaagcaaagn	agaagngcag	aaagananna	gaancancnc	600
cgagaggcan	agnacacagna	gnnanngcan	agnncnanna	gnanagnaana	agcgacagag	660
nnncgaagcn	gagnaacaca	caangaaaanc	agannacgag	nagacggang	aaaggggaaga	720
caaagagaga	ggngangaaan	gaaagaaaaca	gagagngcag	aagacncnng	agagaagaga	780
gacagnagna	ngagancncg	cnnacngana	nganaagaca	nagaaanaga	gngcgngagag	840
acnanaggga	gcgaacgcag	anangagaaan	agacngaana	aagaggagca	aannnnaggn	900
ngaannncac	gaggacagan	cncaacaagn	ncnnaggcan	acgaaaanan	acaggacgag	960
gangnnacan	agcgcganna	gncncanngn	agcgcgaaacg	aggannanag	agaacagcga	1020
nagaganngg	aagggcgagac	anaggnaaaaa	ggggganaca	cacgagangc	gacacaggan	1080
aanngcgagg	acggacnngg	nggggagaga	aaacgngcga	ncnggnaagg	agaagnanna	1140
aggagaggan	nagacgacgc	nagananang	nagnanngaa	agcacannga	cggaacangn	1200
ngcacgagca	ggcanacnaa	anaaganggn	angaaggaan	agannncaag	ngangaaacn	1260
gaaagaggna	aagncncgan	gagngnacca	gacgcagaan	nngnagcaca	agagaacnga	1320
gagagancga	naggagaagg	gagnganaga	naagaagaaa	agcgggnaac	aaaaaacang	1380
ncncccnag	acaaagnggg	nggcgng				1407

<210> 3130

<211> 876

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (876)

<223> n = A,T,C or G

<400> 3130

gtcccttttc	nntnaatccc	tttgggtctt	tctgcaggat	ccctcgattc	gaattcggca	60
cgagatacaa	atactacgtt	ggacgcaagg	ctatgtttga	cagcgatttt	aagcaagatg	120
ctgggttatgt	tgacatagga	aatggagatt	aggacaacat	ttagttcagc	gactgacttc	180
atgacctaca	catnccgcat	ggagatgact	tagaagcagg	ggatctgccc	ttggagcagg	240
tgtcaaagct	ctcgtttaaa	cagcctcgtg	cagtgtgtcg	ctaccacaag	agctcctggt	300
taaacagcct	cgcacggcgt	gtcgtttgcc	acacctgaca	ctattggatt	agtttacggt	360
gctgangagt	acctgtcatt	tgcctttgag	cattgtcacc	cgtnntaggt	ccgaannaac	420
caaaatgggt	tggatnctng	gaccttntt	tggctttccn	gtnaaaaaat	ggctttttgg	480
ggnrcanaat	tgcccnctt	gggggggang	ctttncntga	aaaaaagggt	tntnccctnn	540
gntgccnaaa	tttttgccg	gaaantttac	cccnannccc	ttttaaaccc	aangggcnaa	600
acctnnnttg	nttgntttca	aacaaaggcc	cctttggnaa	aaaccccggn	nggncntttt	660
tttaaattn	cttggngnga	nnttttcctc	antccnngga	aaaaccttta	aaantnnttc	720
cccttanang	gaacctttt	nnaaaaaaa	gnggttttcc	tttaccngaa	anccccnccg	780
attttttttg	gnatnnttna	tagggttccc	tnnaaattcn	anccccgntnn	nntgcccntt	840
naantnnaat	canntttaac	nttnncnnnn	naatcc			876

<210> 3131

<211> 1195

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1195)

<223> n = A,T,C or G

<400> 3131

nnnnngggnnnn	nnnnnnnnnn	nnnggggggg	ggggggnngga	nnngggnnngn	ngnnnnngnng	60
nnngnnnnnn	nnnnngnnng	gcgtttccnc	tttntctangn	tgnaaaaaaa	acccgggtttt	120
tggggngaaa	aanngccccc	aggccnaggg	gaatncccc	aanncgggna	annngcggg	180
aaaannncgg	ggcnncagga	gggggngana	gaagnnnnngn	aaggggaggn	ggngggcngc	240
gggnnnaggg	gatagggaaa	aggngaanga	ggngcnnngg	gggganngag	ggnnnggang	300
accggangng	anggagggcng	ngcagngggga	nnnacggagn	ggggcangnn	gancgangaa	360
ggcgngagng	ggaaaanaaaa	ccnggggagan	ggnggctgna	gnaannnggn	nnaggatggg	420
aggaaaaanc	atanaaaaana	ggngccngna	ggagagaatn	gnccccngng	ganggggnngg	480
gnacggggna	angnnnnangn	nagngngggg	nngaagcggn	ggaannnnagn	gggnaagnngn	540
gnnngngagg	ggnggcgnag	gagagngggg	gngngggngg	agganaangn	ncngganccn	600
gagnggggga	ggaagagngg	ngggganngn	nnggangang	nggnngnnng	ganngggngg	660
anaggngnnn	nnnggngnna	tcaggcnggg	gagaggangg	aagcngggcg	nncngggnga	720
ngagcaggcn	gngaggnnnc	nnagnagagcg	agnngnnngc	nancggnnna	gagnggagtc	780
nnagnnggga	ngnggcgagn	nnagngcnnn	gagngngnang	ngnagagngg	ngnnnnnnnag	840
ngngcnangn	ncnnngggg	nagcntgngc	nnnggggaag	gangnnngngn	ngaggnnnaag	900
nnaggngngg	gngagngcgg	nagngggcgg	acagncgggg	nggnnnngagn	nganangnag	960
ngnggggngg	angagngcgg	ngantgnncg	anggcgcngn	cgggggagag	naganngnng	1020
ggnggagngg	ngcngnnnan	ggngggacgg	aggagnnggn	nnaggngggg	aggngganccg	1080
angnggnnan	acggcgnggn	gnggangngn	gacnngagng	gagggngngag	gagagnggan	1140
gggggggngn	gcnnnggnag	ggnaggngcg	agnagncnac	angangggga	gngcg	1195

<210> 3132

<211> 1195

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1195)

<223> n = A,T,C or G

<400> 3132

nnnnngggnnnn	nnnnnnnnnn	nnnggggggg	ggggggnngga	nnngggnnngn	ngnnnnngnng	60
nnngnnnnnn	nnnnngnnng	gcgtttccnc	tttntctangn	tgnaaaaaaa	acccgggtttt	120
tggggngaaa	aanngccccc	aggccnaggg	gaatncccc	aanncgggna	annngcggg	180
aaaannncgg	ggcnncagga	gggggngana	gaagnnnnngn	aaggggaggn	ggngggcngc	240
gggnnnaggg	gatagggaaa	aggngaanga	ggngcnnngg	gggganngag	ggnnnggang	300
accggangng	anggagggcng	ngcagngggga	nnnacggagn	ggggcangnn	gancgangaa	360
ggcgngagng	ggaaaanaaaa	ccnggggagan	ggnggctgna	gnaannnggn	nnaggatggg	420
aggaaaaanc	atanaaaaana	ggngccngna	ggagagaatn	gnccccngng	ganggggnngg	480
gnacggggna	angnnnnangn	nagngngggg	nngaagcggn	ggaannnnagn	gggnaagnngn	540
gnnngngagg	ggnggcgnag	gagagngggg	gngngggngg	agganaangn	ncngganccn	600
gagnggggga	ggaagagngg	ngggganngn	nnggangang	nggnngnnng	ganngggngg	660
anaggngnnn	nnnggngnna	tcaggcnggg	gagaggangg	aagcngggcg	nncngggnga	720
ngagcaggcn	gngaggnnnc	nnagnagagcg	agnngnnngc	nancggnnna	gagnggagtc	780
nnagnnggga	ngnggcgagn	nnagngcnnn	gagngngnang	ngnagagngg	ngnnnnnnnag	840
ngngcnangn	ncnnngggg	nagcntgngc	nnnggggaag	gangnnngngn	ngaggnnnaag	900
nnaggngngg	gngagngcgg	nagngggcgg	acagncgggg	nggnnnngagn	nganangnag	960
ngnggggngg	angagngcgg	ngantgnncg	anggcgcngn	cgggggagag	naganngnng	1020
ggnggagngg	ngcngnnnan	ggngggacgg	aggagnnggn	nnaggngggg	aggngganccg	1080
angnggnnan	acggcgnggn	gnggangngn	gacnngagng	gagggngngag	gagagnggan	1140
gggggggngn	gcnnnggnag	ggnaggngcg	agnagncnac	angangggga	gngcg	1195

<210> 3133

<211> 791

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(791)
<223> n = A,T,C or G

<400> 3133
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 angatttnca ngaaaaataa ccaccgggtg gggantaang ngcccaaant cngtcctaa 120
 atgcncagct ttatgtncct tgtccaccat ctngngcctc ttctccattn gcctcttctt 180
 tcctatttcc ctctcgctaa ggaaaaaaat nggggtcnca ttngtaaaag taattttaat 240
 agttaatcat ctctgagagt aacctgtatt ttaatngttg aaccttaacc aaantaagat 300
 nctgtctnag ctagggtctg tcatttgtgt atttagtggt aagataggaa tgctagtgtc 360
 tctttaatta attggaaata gatggaggct aaaaatgaag gtttttcttt gaaactgaat 420
 taacttggga atatttgttg ttaaaacttc tttttgccca aaataactca ttttgnatta 480
 tctgaaaata tataatttct ggcatgtgta tgttaaaata gaaaattttg aggaaaaatg 540
 gaaatagggt ggaaaagtac tcggtaaacca gtagtaacca aatattttca ctccagattt 600
 gngttttctc ttggcaccag agtagatctt ttgggaaaat atattatgaa aagtnngatt 660
 aaagtttggga ctacccttat ggtagcccc catctgggat gagaacnggt taccaaagga 720
 gtttngggcc tcttaagggt gatttggtncc ccagtgggg tcaacttttt gcnaaaattn 780
 ccgnaatggg g 791

<210> 3134
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n = A,T,C or G

<400> 3134
 ncctttcaaa cgcttgctct tgttctttnt gcaggatccc tcgattcgaa ttccggcacga 60
 ggtgaacacc cgctgatcct ttaacaagga tttctggcag gaaactcaca aaanggagaa 120
 ctgaaaattt agacatacag ttggccattg taaaaaacat cagtttcttc tcatacatc 180
 caagtaaacc aagtaaaata agtgttggag taacacttgc ataaaagaat ttaaggagt 240
 atagctcttt ctgttctgcc attcccaaca ttcttggggg aaaggagact caatgagtt 300
 atactatttc actgagccca agatggaaac ttggtttgac ctaaaacatc tgattaatat 360
 aggctagctg atttcttaaa aattcgttgc attgaaggat attttgcatg tctgtaacac 420
 nngncantcn tggttggant ggattcnnaa tntnntnca nttnnntnca nntaattggn 480
 caaatnantt tngcnntaaa tantncngnn tcctnnngnc aaaatcnnga atcctnaggg 540
 atggtccaac cccttttatg gntggcctga aaangngaag aatggggaat tcctnttaaa 600
 ccnttccatt caaaaaaaaaa aaaaaaaaaa cctnggccct ttttnnaactt ttnggggngc 660
 ccgttttccc ttanaanccg accttggata ggaaccattg gatgaatttn ggccaaancc 720
 ccaacttgga atggcnntgg aaaaaaagg cctttaantt ggggnaaatt tggggaaggc 780
 n 781

<210> 3135
<211> 760
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 3135

tcnctcctna aatcggtggc gctctcttgc aggatccctc gattcgaatt cggcacgagc	60
tctcaaatag aaatggggaga taagaaatat atctgtgcaa tattaaattg aaaaaaaaaa	120
cccataaaaa gtgtcaaagg caaataatct gctctagatc acaaaactag ttagcacaag	180
gctaggatta taaccagggg ctaggaaaaa atcctgaagg tgatttaact gagtgttagg	240
ccctgtcaag ccacctgcta aggcctcatgg tctttcagac tagcttcaac attccaaatc	300
aggcaatagc tacaacggaa agataattgg acgggggaatc ctgagatcag agtcctagtt	360
tggctttgtc tcttgtagca ggatttttta aatcaggggc agctctcttc tcccatccca	420
gccatgaatc tttcaacctt agtggtcacc aacttgactc cattccttat atcaagcctt	480
gtcctgtcaa ttctccctta aatgttagtt gcatccattt ctaaataatat ccatggccat	540
caccctagta aaaagactat tacctcacac cccgcacttg atcttcccc aactttaagt	600
gactcagttc cttatatcac tgccacaaga attaacaccc atgtccatct tttcattttc	660
tgctgaaaga ttttcagtgg ttcccacttg aatnccaaat aaagttcgaa tcccttanaa	720
tggcattcac agccttntac ttctggncce acttttatnt	760

<210> 3136
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(813)
 <223> n = A,T,C or G

<400> 3136

gcctccttct ttcaaaacnc ttggctactn gttctttttg caggatccca tcgattcgaa	60
ttcggcacga ggccacacgg gccgcacatc ncttgcaatc tggttccgct acgacctcag	120
ccccatcacg gtcaagtaca cagagagacg gnagcccgtt gtacagattc atcaccacga	180
tctgtgccat cattggcggg accttnaccg ncgcccgcac nctggactca tgcattttca	240
cagccttctg ggccttgaag aagatccagc tgggcaagat gcatttcagc caccctcagc	300
ctaattggccg angaccctgg gcatcgccag ccttgccctc agtgccctgt ntnttttggc	360
cctcaatctg gncccaaatc tggctgtgtc ccaaagggtg tgtgggaagt ggggggaaag	420
tanaggatgg ctgcagtgtt tgcagctacc tcttttncce gtgttntctt ttagacaaat	480
tacactgcct gaagttgcan ttcccctttn cctggggagc ccnaagaaca gagtcnnggc	540
anggggtggg gagtccaggg atcttggggg acccctccta aggagaagct tgcagtctct	600
tcnntaaggg gaacatccca gaatgcatta tcgantcagc ttnttaagcc caggctttan	660
acaaattctt nnnagnnccc caattagggg nggacacccat ttaaatgaat ttgggtttac	720
ttccccttgg ggcaagncca anccttgccc ccanaaggct acncanaaac cttggggggc	780
tttaagcctt ttggggaccc aggnntggcn nnt	813

<210> 3137
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(744)
 <223> n = A,T,C or G

<400> 3137

gntcaataacc	tgctactgnt	ctttntgcgg	attccatcgt	tcgtttcttca	tgtttatatt	60
tcagagttct	taatagtgat	acttaaatat	actatTTTTT	ccctgtactt	tcgaagattt	120
ggatatgagt	tttcagattt	aaatgtggga	actcatttga	gtataatccg	tgaacagcat	180
ttgttcaaca	catttttggg	gaggccctgc	tatatacaag	tcattttcca	agtcctactg	240
aggtattggg	gttatccaga	ttgtattatg	gagaagctag	tggtctttaa	gaaataaaga	300
aataaggcta	aaactcttta	acagggtaga	aaggggcagt	tcatagggga	gggaaatagt	360
atagaacatt	cattcctagga	atacaagtga	aatcactcaa	attaccatgt	agtcaatata	420
cagattgntc	agtgcctcct	atgtgccag	cagtgtgcta	ggcccagggga	tacaatgaag	480
aagaaccctg	ccctcaaaaa	atgcagccta	aaagttttct	tatggaaact	ggaaatcaag	540
tttgggtctg	gcatttagagg	cttttcttaa	tgtattcacc	tggtgtgttc	aggtantttc	600
tgaagatata	gaaatgtttg	atgaaatgaa	tgaagatacn	gaatggtang	attccagtat	660
caagctctat	ctcataacag	ttacatttcc	tactaccttg	caaaccctnt	ccntactatt	720
atttaataacc	cttttttcac	cccn				744

<210> 3138

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

<400> 3138

aanccccctt	tnnangcgnt	tccntncanc	tnaaancgnt	tgnaactcnc	nctntctgca	60
ggatcccatc	gattcgctaa	caagcgattc	taaaccacct	atgagtattt	cttttagggc	120
tcacttaaat	acatgtttgt	atatactgta	ttctagccag	aataatttta	gatctgatca	180
ggtagtagct	aaaattagaa	aaaaacaaaa	tagatgctta	aagaatttgc	atccattttt	240
gagtctaaat	cttttaaaat	atactgagat	ccacatctag	tgaaatgtca	gtgtcaaaat	300
attatagatt	atagctaaaa	tccagattaa	tactcatttg	gggtttttta	tagtggaact	360
tcatagtaat	acaaaaagca	gattgtcttc	ctgtctccgc	tgctcccaca	gtaggatttg	420
aaactggtaa	aatcagtttt	ttgatantgt	gtgtatataa	gaaaaaatag	atacacacat	480
tcttttttct	cagtcaacac	attgattgaa	cactctggca	aagatgctgt	ggtggatgan	540
gttgagttt	gaaagaagaa	gcaagcctta	gctgccttg	aaagaaaccga	agtctttccc	600
attcacttct	ctagaaagct	gccaagacag	aagcagaaag	aaatgggatg	atagttctgt	660
caaagcacac	ttctggntc	ttagaacctt	agaagtgnnt	ctaagagaac	agaagttatt	720
aagaagaaac	nagntacgtg	tggaattca	acaaccttng	ggtnggaacc	cattggcttn	780
t						781

<210> 3139

<211> 881

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(881)

<223> n = A,T,C or G

<400> 3139

ttcattccct	ggctntgntc	tttttgcagg	naccatcga	ttcgaattcg	gcacgaggtt	60
aaactgtcag	tattggatct	tagaagtaaa	tgattattag	gactgtaata	gtaattatta	120
ggactgtaaa	aggtaaaagga	ttattatctg	cattagaatt	tcntanatct	aaaggatttn	180
ganactngag	acntttannn	ccaggnntct	tttctnaaa	tcnnaaatc	caaattcatt	240
ngaantnggg	aaagtgatgg	gggnacaant	ngcntncnat	ccaggnntc	taaanngnn	300

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ncanntggcn cncnnncgnt aaanntactn tantntnccn tgagcccngn taaaaaactg 360
ngttacccct tgacgactag tggngattat cnatTTTTtnc ccttnancgg gccctnatTT 420
cttctaacc cccacnntgc cttntngat ttaaanaacc ttttgggngc aattccctnc 480
ctntccta at tangcccc cngangagtt ttatccnccn gnggnaataa attnccccca 540
agggattgg aatccaancc ccccaanaa attnngnnc cccccctttt aatnggnctg 600
nnttgggntg gnaaaaanag gntttnttt atccaaagcc nggggtttnn caataaanna 660
gntnnccngg nccaataat atttttaaag ngcnaccct ttttnnnana aancTTTTt 720
ccccctttt tttcnagggg ggggggntat tccanngggn nnaancctn actgnnaggg 780
ggccaatntt aaatgccncc cctttgggcc cttcaccccc aacccctttt ttntntttnt 840
tttttnnacc naanncaaat tccgnttttt gggtttcccc c 881

```

<210> 3140

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (725)

<223> n = A,T,C or G

<400> 3140

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ttatgattcg gaggggttctg ccgcacggca tgggccgggg cctcttgacc cggagccagg 120
cacgcgcaga ggagcttttc tctgggtaaa gttgaggacg acagagggta ttgtggttct 180
gggttgctcc caacctccga ctgtgtgtcc ttcaggaccc gaaacctatg cccacactgg 240
caggacagtg ggtcggtctg gggaaggggg ttagcttacc taccagagct ttagggggct 300
gtgcaggtgt atggctccca aggcggccct tttcagggtg caggtctcac atcattctcc 360
atttaagctt acagtcagac tgattgataa tcggtggcac agatgtgcat taagtcctgc 420
ccgtgttcag gatgctgtac ttagtgctgt tgcggtaaaag gaggaaaatt tcaatagaca 480
tcagtgaatg ttctggaaaa tggctagagt gtacctagag agggaaaatt tcaatagaca 540
gtaggccagt tcaagactgg atagaagccg ggcgcggggc ctgtaatcct agcactttgg 600
gangtcaagc cgggtgatca cctgagctca aganttcgag agcacctgac caacatggtn 660
aaacaccgct tttctaaaaa tncaaaatta gctagggtgt gtggtgggct cctgtaatcc 720
aggac 725

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<210> 3141

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (745)

<223> n = A,T,C or G

<400> 3141

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ctaatagctn ngccnactcg ctctttctgc aggatctctc gattcgagaa catgaaggta 60
gcacagaaaa agagatgctg tcttgacggg aatgttttat ttcaggaaaag atatttgcaa 120
aggtggcaat gcagtgttg atggttggtg caaggcccaa acagcacgga gctcgctgca 180
gaggagtaca cctcatgag catagacacc atcatcaatg ggaaggaagg tgtgtttcct 240
ggactgatcc caattctgaa ctcttacctt gaaaacatgg aagtggatgt ggacaccaga 300
tgtagtattc tgaactacct aaagctaatt aagaagagag catctggaga actaatgaca 360
gttgccagat ggatgaggga gtttategca aaccatcctg actacaagca agacagtgtc 420
ataactgatg aaatgaatta tagccttatt ttgaagtgt accaaattgc aaatgaatta 480
tgtgaatgcc cagagttact tggatcagca tttaggaaaag taaaatatag tgggaaagta 540

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aaactgactc	atccaactag	acattctaca	gaaagaaaaa	atgcattatt	gacgaactgg	600
ctacagtacc	atgcctnttc	anccagcccc	gtgtgtataa	tatgaaagac	canatgatag	660
aactgtactg	ttttctgggc	cagtgacca	gaaattggat	taangctttc	tttggtangg	720
taaatctaga	agtttatata	ntggn				745

<210> 3142

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(926)

<223> n = A,T,C or G

<400> 3142

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ctctatacta	gtgaacagtg	ccagttccac	actttggact	tagaactgtt	ctctagttat	120
tgtaacacag	aatactgtca	atcccataatt	tacttaattgt	tacttattgg	aagtggggct	180
gatgaaatac	gcacaggagg	gaaatctact	gtgttttaggc	acaggcagnc	ccagtgtata	240
aggagatcat	attccaaaang	gttgtcagtt	ggntgtttgc	aacctggaat	gtattttcct	300
ttagagacca	ngttatccat	ggtggttagg	cccctagagc	agctggaaaa	agatgatcaa	360
accaataggt	tnctgacat	cnaataatgt	aataagtttg	ctaaaggaat	ctaccatcaa	420
atntnatatt	gnttccaggg	aaggttgtnn	nttaanntnc	cntcttngtg	ncatantgga	480
cnntcccntn	ccagtcant	ncntnannnc	tngggcnnngt	ntngnnttng	tntntttngn	540
cnntnanc	atatttcata	tcnccccctng	ctaaaattct	ttnanannaa	nttctcantt	600
tctcccttta	ctanaanttt	ngtntttnt	ccntttanta	tttnnncccta	tntntntcgt	660
tcnnanant	cattnnntnn	ttntnngctn	ntnnatcacc	cttanctcnn	tctcanntat	720
cntntcnta	ttatctctnt	atntntcnc	tntnatnate	nttcennntt	gntnanncna	780
ttatntcttg	ttntntnct	cncatctctn	tentnttctc	ngctnannnn	actccnnnnn	840
tcnctctnt	nnnnanant	atatnctnct	ttngntatat	annnnntnt	ntactnanc	900
cnnnatnca	tnncnatatn	nttngt				926

<210> 3143

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(805)

<223> n = A,T,C or G

<400> 3143

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gtggtgtgat	gaagctacag	taggggagat	cactcatgct	aggataggat	ctccttacc	120
ttggcctctg	aatcatattt	tggcctatca	aaaacagtg	gaagtcaaac	gtaagatgaa	180
agctattgga	tggggaaaga	agactctgga	ccaggtctta	gaggatgtag	accagtgtctg	240
tcaagctctc	tctcaaagac	tgggaacaca	accgtatttc	ttcaataagc	agcctactga	300
acttgacgca	ctggtatttg	gccatctata	caccattctt	accacacaa	tgacaaatga	360
tgaactttct	gagaagggtga	aaaactatag	caacctcctt	gctttctgta	ggagaattga	420
acagcactat	tttgaagatc	gtggtaaagg	caggctgtca	tagagttatg	tgtagtctc	480
aggagtctta	acttttgaaa	tatgttttac	ttgaatgtta	catttagata	tttggtgtca	540
gaattttaaa	acccaaattt	actggctttt	tggaaacctt	cnaaattata	ttaatgggtat	600
cttnatgnat	tgtgccttta	taattggcna	ttttggggnn	tttncntttt	naaanaaaaa	660
ttcctngaaa	tttattttta	antccnggaa	taatgntnng	gnaattcctg	nnattccttg	720

gmnaantttt tntggngttc cctttgggaa accantggcc ttngcctttt tannaaantt 780
 aaaagncntt taaancaaac ctggg 805

<210> 3144

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(851)

<223> n = A,T,C or G

<400> 3144

gtnccttngtg nctntcngna actccctctn tctgcaggat ccctcgattc ggagaggagc	60
aggtgcagtg attcatatccc actctatngc ttttgtgatg gccacccttc tctttccagg	120
acgggagttt aaaattacac atcaagagat gataaaagga ataaagaaat gtacttccgg	180
agggtattat agatatgatg atatgttagt ggtaccattt attgagaatn cacctgagga	240
gaaagacctc aaagatagaa tggctcatgc aatgaatgaa taccagact cctgtgcagt	300
actggtcaga cgtcatggag tatatgtgtg gggggaaaca tgggagaagg ccaaaaccat	360
gtgtgagtgt tatgactatt natattgatat tgccgtatca atgaagaaag taggacttga	420
tccttcacag ctcccagttg gagaaaatgg aattgtctaa gccaaaagaa agtctaatta	480
tatacagaga taaagctaaa cgtaattatt atttaaataa aagctatttt tttaaatgaa	540
attggaaatt ttttcatgga tgccctnctaa atttggnac ttaaatacct gcaaaaatgg	600
gcncctctgg aaacctcttc tgaccatttg gaatggtaat tnggccttaa taattccttn	660
aataaatttt ttaaaaatga angggccccc agnnggaaaa attggnaaaa aatttttnaa	720
tancntccna anggtnnnct ggggntaaat tttttttaa aatccccctt aaaccagccc	780
aaaaattatt tttggnccct ttaaatttcc ctttnnntna aaantantac cntcttcagg	840
aagnaaattc c	851

<210> 3145

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 3145

gctcnatgct tngcnatcgc nccttttggg attcatcctt tcgggaactt ttgaagagaa	60
aaattcgagc tagagggatt cttaaagcct taagttactt gaaatctatg tatttgcaac	120
cctttgtctc tggaatcata ttactactaaa ctggaatctc aggttgatg agaataaccc	180
agtggagtaa aaagaagaaa accgtttctt gatcaccact taattaacga tgctctttct	240
ccaaaggatc agcacgttct tcctctgaga acttgaaaat acaaatggac cccatgtttt	300
tttaagcatt accttttctt agaagactgc catcatctt tatagaggaa ttttttctact	360
atgcanttcn gtggatcttt ataaaatact gaccttctaa ttagattcag gtcagtctta	420
attaaagggg gaaaaaaagc aacgcaagcn caaccacagn aacnccatat tcccaaata	480
aaggaaattt ggtttaaaat ttcacagcat taaacattac tttttaaagt aaaacnagtt	540
catttgaaaga aagtatgtat tgcancnant ggaacatggg cctggngctt ttgcagtggc	600
cttcaacctn ctgtgcctgt ctggaanggg cgtgttccca agagtgagan ggagaagcct	660
ggtgtncang aaacgctcct attaanagaa gnttnncttg gccaccgggc caacggggcn	720
aagaatgggt tgggggtgnt ttnacctctt atcantgc	758

<210> 3146

<211> 880
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(880)
 <223> n = A,T,C or G

<400> 3146
 cgctttttca natcggtggc tactcgttct ttntgcagga tcccatcgat tcgttgagaa 60
 cctgcctcta tcccagaatg tgctggagat ttgacactca natcantgtn tngncttctg 120
 cttggcncca tanccttaacc tgcagtgnct tcaaaatgcc caatgccttg tttcctatta 180
 ccttanatng cnnnccagtc tagggaagtc tatgagaaag tngcatttaa ttaaagttta 240
 aaaaaaaaaa ggttgggcnt tngggctcat gcctgtaatc ccagcacttt gggaggctga 300
 cgcggttgga tcactaggtc angagttcaa gaccagnctg nccaacatgg tgaaacctg 360
 tctgaactnn naatacnaaa attagctgag catggtggcg tgtgcctgta tctnagctac 420
 tcacganctg nggcaggana atcgcttgaa cccannaggc ngaggctgca gtgagctgag 480
 attgtgccac tgcactccaa cctgggagga caganctaga ctcaagtctca aaaccanana 540
 aaaangcctt ttttctggt ttnaaatggt ttnggaanac ttttttttn tttgggtccc 600
 ntancctttt ccttngaaac ccctttttct tgggaancccc tnaancccaa aaatttttat 660
 tagccntttt tttannaag ggggggttaa tncctaaagg ggccntttan ccttcaatnc 720
 naaaaaaaaa aaattgcccg gcnaggncn ttttaccgga gttgcaaatt taattttnaa 780
 taaccaact ntgggccttt aaaatttaan annnaagntt cttgggtnac ccnanntntn 840
 tnggggccct ttttgnaaa accctttata ngggggggng 880

<210> 3147
 <211> 723
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(723)
 <223> n = A,T,C or G

<400> 3147
 caatgcctgc tngtcgctgt tgcggntcat cgttcggttt tttggtgaac actgatttta 60
 ttggtgtctt agatccctag tctacccaaa taattttaac agtactgttt tttctaacc 120
 tgaagtctga tatttatgac tcattagcag gaatcaaaac tagtgatcag tagaacactt 180
 tcaaaataaa aatttggaat gcagactttt atgaaaattt aaaagtgtc cttaacagaa 240
 tatcatgggt tttcctataa aacttcttta agtattgtaa ttccagtctg ccccaactta 300
 aaaaaaatt cttattaata tgtcagtcac taattgctag tttgggtct cattatttcc 360
 tgttttttaa caattttgtg ataattttat tattggcaaa ttaatacatc aacacttaaa 420
 tcattgacta taataatacc ttctggctac ctctgtatca accaaattct gtaggtgcaa 480
 acatatacca gggattctt actggcaaaa tgatcaatct ggagtgtgca tccactgtga 540
 atggagcaaa ttgccctata cccattgata acctagcttt cttagtttgt agatgtagga 600
 aacaaaatag tgacagagag agaagggggg ccacagggca tggatatatt atcagcagtg 660
 gaaaaaaagt gcatagatca tttagtccaa gaacttaaaa cttaaattgag ccataattta 720
 ctt 723

<210> 3148
 <211> 735
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(735)
 <223> n = A,T,C or G

<400> 3148
 gcttcaatan ctttttctaa ngctcttttt gcaggattcc atcgattcga attcggcacg 60
 agagtaccca nanttgcnag gagtntnntn actgatntag ccagggtggca atnatgagtg 120
 aatggatnaa naaaggcccc ttagaatggc aagatnmcac ttacnnagag gtccnagtgn 180
 canccagtga cangaatgag tttnaaggga tgggttttaa ctacagaccc agnctctgcc 240
 aatatngacc ttgtgaactt ccttgaagat ggcanatgt ctgagaccgg aattatggga 300
 catgctgtgc agactgttga aactntgaat gaaggggacc atagagttag ggataagctg 360
 atgcattttg ttcacgtctg gagactgcaa agcatacagc ccacaggatc tgggaagagag 420
 aaagaacagc ctanagnaaa tggctngaga ngaaccacac tcccatcact gaacagggan 480
 acgcttcaag gactctctgt gtggctgggg ncctgactat ngaccacca tatggtcana 540
 naaattncac cagctctnat gagantattn tgctgcgtgt tcaggatctt antgaaggac 600
 atcttacant ttnccaanna naagnatga aatgtgacat tctgcttgaa naagacnata 660
 ttttatcctc atnaatgttt aaatgtaaaa nnnnananaa aanactcgag ctntnaaatn 720
 tngtgagttt anang 735

<210> 3149
 <211> 798
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(798)
 <223> n = A,T,C or G

<400> 3149
 gcttctaata cttttcgant ngcnntcttt gcaggatttc caaatncttg gntgcaccc 60
 ctgatggcnc tgtaaagatc tggaatatga agaccacaga atgttcaa atctttaaat 120
 ccctgngcan caccgcangg acagatatta ccgtcaacag tgtgattcta ctctctaaaa 180
 accctgmnca ctngtgggtg tgcaacagat caaacacggg ggtcatcatg auctgacgg 240
 ggccanattg tcagaanctt canttctggt annagagang gtngggactt tgnntgctgt 300
 gccctctctt ccctggtgga atggatctac tgngtanggg aggactttgn gctctactgt 360
 ntngttcan cnaactggcaa actgganaga actttgacag tgcaacgaga nggatgtgaa 420
 tggattgca catcancctc atcannaacc tgattgctac ctacagtnan nnatggactt 480
 ctaannctct ggannccatn antcaacttt tcttgataa atnagctcna aagcctntac 540
 tttaaatgaa gccatnntca tggtaagtgt ctttnatntg ttttttgccn ncntgttcta 600
 aancaaatat nattgtcnna aattnanncn cncaataaaa ttttttggtg aaananttna 660
 tgnnttttna anttagcnaa nctnncccn tntctctttg tgtgaanatt aagcttttaa 720
 aggggnagttt nggnnttant ccatnctttc naaactgggn tgnccggtca acnttaaang 780
 ntcaacaat taaanncn 798

<210> 3150
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(732)
 <223> n = A,T,C or G

<400> 3150

gnntctatnc	tnggctcttg	ncttcttgca	ggattttctaa	tgcttggatt	cggcacgaga	60
tcaccttggc	acgttccccct	cagctgggct	ctgcagggca	gctaagattg	ggcactgatg	120
ttcctggcct	cagtcctacc	cgggttatgc	agctacggct	tcatacatac	accagttgca	180
ctaacttggg	atgaaaatta	agttaaaacc	agtagaaaat	ttcatcctat	gttttggtgg	240
taaaagaagc	aatgaacaa	atgaatagag	gctgccaaac	agttgtctca	ccaactgttc	300
cgactagcta	acaagattag	ctaggtcata	cctagtcgta	aaagaatact	ataagaactc	360
agaaattcga	catatttcta	ctacttgctt	gtcatgtaga	taaacagatt	aaaagaacca	420
taaaaaaaca	aagagaaaat	aatagtagga	ttagagagca	tggtatcatc	tcattgggctc	480
acttggcctt	agaaagaggt	gtttatccat	catgaatatg	aatccagggg	tctgaatgga	540
tataagagaa	ccaaatgtaa	cagaaattta	atatcatttt	ttcctctgag	atgaaacatt	600
ttacattttc	cagttttatta	gataaaatta	ctaaacatgt	tctagaccct	ggagttgtag	660
attttatgat	gttggtgct	gtggantggc	catgactggg	ttttcaaatg	ntaatttgat	720
ttctttttta	tc					732

<210> 3151

<211> 910

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (910)

<223> n = A,T,C or G

<400> 3151

gtnnncttca	ttcaatccct	ttgcanntgc	tcttttttgca	ggatccctcg	attcgaattc	60
ggcacgagct	tgacttccaa	ctgccccctga	gatttgnnct	ccagtataag	gggcaagcgg	120
gtgccttgga	ncgtccantc	ctnattcanc	nancangget	tggnntttnt	gnaaaaactt	180
gttggnagtc	ctgncanaaa	agctgcggcg	gaaatgggca	ctgtggcttt	ccccgtttca	240
ggntggtggn	gattcctgtg	gggagtgggc	aagaggaata	cgccaaaaag	ggacagcnga	300
ncctgcnggc	tgcaanactg	gtcagtgacc	tgatgacana	ctttttgact	gacccttttag	360
accngagaaa	tcctaccggg	ccccannttt	gncccantaa	caaanttttc	angttttgnt	420
gggttnggcc	cataaaanaa	gcaactggtt	ngaanaaaca	anttgaaacn	ttttcgggaa	480
aaaaangcta	nttttgngca	ccntttgccc	caacttgggg	anattttccc	tngnnaana	540
ngttttnncc	ccnttggttc	gacaattttt	cccnnaaata	ntctnncggg	gtctnnnaaa	600
antntccngn	gngnanaaat	ttttttttng	gnnctcntnt	nanannnttt	ntnttgngga	660
tcnaaaanaa	nttgntnatt	tgacaaatna	ngcncnaant	ataanntggn	aaanccccnc	720
aaacctgttg	aaaacaantg	tnnccccccn	aaatttttna	naaanactgn	ttggagaccn	780
aaattmntta	tnntcntnan	naaaaaaaan	ttttgttngn	gnncccnctc	aatntgnggg	840
tggnaaacttt	tcatncnnan	tnnttttggg	taggtaaatt	ntnatcttct	ncttnaanaa	900
aaaaattcnc						910

<210> 3152

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 3152

gnttnnnctt	tttcantnct	tggtctctcg	ctttntgcag	gatccctcga	ttcgaattcg	60
gcacgaggtc	tagtataatc	ttgatgtctc	aaccagataa	ggacaatata	agaaaggaag	120

agtataggct	aattctaccc	aataactaaa	tgaagtatta	gcaaaccaga	ttcatcaata	180
atctttttaa	aatcaagaat	taattggatt	taggaatata	acactgtgta	taacaagttt	240
aagagaaata	tatgagaatg	ataagactgc	aattgaaagt	agaggctttc	tctggaggga	300
aagggtgagga	ggatgtgatt	tggagaaca	gcatggggag	gcatcagttg	tattgtaatg	360
tttatttttt	aagctgaatg	ataggtacgt	agatgttcat	tgtgttcttt	ttgccttttt	420
gtatatctta	aatatatggg	agtgccatga	ttagcaggct	taatagcett	gtgagtttaa	480
atgtcacttt	caaagtctgt	atttttgggtg	gagttgctta	aacacattcc	ccttgggnatc	540
tatacaacca	gttaaaaaaa	atcatgtata	naccacccat	tgaaaatata	atggaaatgt	600
actgnatatg	ccattttcat	gaaatgggtg	tgtcaaaggg	gcttnttagg	aaaaaaaaaag	660
atcgtttaac	tctttttgca	tttaagtggg	aaataaggtg	ggctttngga	aatagtttca	720
acccttgctt	aaccagtttt	ttttttcatg	cttnn			755

<210> 3153

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (805)

<223> n = A,T,C or G

<400> 3153

tnaagncctt	tctnttgctc	tntttgcagg	attccatcgn	ttcgcagagc	tgtatcttca	60
gtgggtgat	gaagctacag	taggggagat	cactcatgct	aggataggat	ctccttacct	120
ttggcctctg	aatcatatct	tggcctatca	aaaacagtg	gaagtcaaac	gtaagatgaa	180
agctatttga	tggggaaaga	agactctgga	ccaggctctta	gaggatgtag	accagtgtctg	240
tcaagctctc	tctcaaagac	tgggaacaca	accgtatttc	ttcaataagc	agcctactga	300
acttgacgca	ctgggtattt	gccatctata	caccattctt	accacacaat	tgacaaatga	360
tgaactttct	gagaagggtg	aaaactatag	caacctcctt	gctttctgta	ggagaattga	420
acagcactat	tttgaagatc	gtggtaagag	caggctgtca	tagagttatg	tgttagtctc	480
aggagtctta	acttttgaaa	tatgttttac	ttgaatgtta	catttagata	tttgggtgtca	540
gaatttttaa	acccaaatct	actggccttt	tggaaacctt	cnaaattata	ttaatgggat	600
cttnatgnat	tgtgccttta	taattggcna	ttttggggnn	tttncntttt	naaaaaaaa	660
ttcctngaaa	cttattctta	antcnggaa	taattgntng	gnaattcctg	nnattccttg	720
gnaaantttt	tntggngttc	cctttgggaa	accantggcc	ttngcctttt	tannaaantt	780
aaaagncntt	taaancaaac	ctggg				805

<210> 3154

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (766)

<223> n = A,T,C or G

<400> 3154

tnnnnnntt	tcaatntttn	ancgtccett	aggatccntc	gattcgatcc	agatgggata	60
cctctaaaca	cgaaaagaaa	gaagattcca	ttantgaatt	tttaagtttg	gtttnatcaa	120
aagccgagcc	acctangcaa	cagtcacccc	ccttagtaaa	caaagaggaa	nagcatgcac	180
cagaatcatc	cgcaaatnag	acagtcaaca	aagatgtgga	cgcacaggct	gaangagaag	240
gganccgcca	tccatggact	tattcatggc	catctttgcc	agttcctcat	atgaaaagtc	300
ctnatcctgc	gangatganc	acggtgacag	tnaanatgat	caggcacgct	ctggngagga	360
caacttccaa	agctggnaag	acactgactt	ggnggaaaca	tcactctgtg	ctcacgctnt	420

tgtgccagng	ccctaggagc	cgtcaccttc	cttcccata	caaangatgc	agatagatna	480
naganaagag	ntcgccngn	ngctgcctcc	cgtcttatgt	nccaatgctc	gtcagacact	540
tgaagttnct	canaaagaga	aacattccaa	gaacaaagac	nagcacaang	gcaatanaga	600
acacaggccn	gaaagaattg	anangaaatt	ggaaacactn	gaagcacnaa	acacctaang	660
naatccaaaa	naattggcaa	accaggggaa	aagtaggtnc	ctncgngaag	tttcgacagc	720
cngcggacaa	gccanaattg	acnatgaaac	cgcatacgtg	tcttnc		766

<210> 3155

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 3155

ttngaaaacn	ccttngcttn	gttncccta	cngaaaccct	tttgaaaacc	ntttgcann	60
tcctcttnt	gnaggatccc	atcgattcgt	gaaagaggag	atcggtgacc	tgggctcctt	120
atgtgcctga	atgagtttga	gtttcctgtt	aactccaaat	caacagtatt	ttcaacaaga	180
aatgtgcaat	tgaatcaag	tgctgttta	gtgcagctag	gantccacag	gaagacactt	240
gcagtgaaca	gagttatgga	gcagcaaaa	cacagatcta	tttgaaaaa	gagaaaacat	300
atgcgttgta	ttttgcttca	attataaaat	accatcctct	caaaggtggt	tctaaattac	360
aaaggacttt	gatttctagg	tagattctgg	gtagagactt	cctttcatat	tgaggcatta	420
atgacacctt	ttaacctggg	aagcaatatg	actggagttg	tactttgaga	agattaatca	480
ggtttggttg	cagaatgaaa	gagaagatga	agtcaagaga	ttggtttaga	ggctctagca	540
gaagcttagt	catatttcaa	aatgatcaaa	tatcaagaaa	aattctgagc	tgcataactt	600
gtataaagta	attttcagtg	atttttttca	tggttatgat	aaaagaactg	gattagcaga	660
aactttttacc	ctgaatcaag	atttaatttt	tctttgagct	catcttaagg	atateggaac	720
atagggagca	aacgatgggtg	tggtgcctc	antgcttgaa	ttttaacngt	tttgaaan	778

<210> 3156

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(745)

<223> n = A,T,C or G

<400> 3156

nanatccnnc	nantncttnt	tgttcntgtc	cgnangatcc	catcgattcg	aattcggcac	60
gaggtttcat	ttaagaagaa	tgantagat	anatgtgctc	ttctgggttac	cccaccctga	120
cagagtgcac	ttttacacgg	ctagcagggg	ttgagactgc	agcctggcct	gccagccatt	180
ggaggtgttt	aaggaagggc	agataatgtg	actctttgcg	gggtgccatc	tgcttaccac	240
ttagcgagca	naggggggtt	ctgcgggtga	ccccagcat	atttctaggt	tacttatggg	300
cagatttgta	agtgacaaaa	ctccagctga	tgctgggaat	ggggagaggg	cccttgaggg	360
actttgtggt	tttgtgttct	tggtttcctg	gccaacccca	gggtcacttg	tctggagggc	420
cagctgggca	ctaattgtctg	ccaccgacta	tgtaaagtga	tataaatgat	tcctctatct	480
gggagagatc	ttccaatcca	gaggagcccn	tcttgagactg	cctgggttaa	atctgcatan	540
cagangtggg	tgatgaagtt	catctgaaga	aattcagccc	cacctnccca	ccctgcmtt	600
cctgtccctt	tttgatagtg	gcttctgggt	actcgggcn	gttcttggga	caccancctt	660
ntctgggggt	ctnaagccat	cccgttgggg	ctgtcggcca	agcctaagtt	aatcgtgtgc	720
ctntattggg	aggatngctn	ntcct				745

<210> 3157
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (762)
 <223> n = A,T,C or G

<400> 3157
 ttnnnnnnnct ccnaatcctc cngatnanat cncctttgman ctncctgcag gatecccatcg 60
 attcgaattc ggcacgaggt ccatacatgg agctccctgg agcccgtgtg ntntcgtgtg 120
 actgaacgtt ttgtgatgaa aggaggagag gctgtctgcc tttatgagga gccagtgtct 180
 gaattgctga ggagatgtgg gaattgcaca cgggaaagct gtgtgggttc cttttacctt 240
 tcagctgacc atgaactcct gagcccgacc aactaccact tcctgtcctc accgaaggan 300
 gccntngggc tctgcaaggc gcanatcact gccatcatct ntcagcaagg ngacntatat 360
 gtnnntgacc tgnagacctc agctgacnct nccttngtan ggttngatnt nggaagcatc 420
 ccaaggngat ttagnacnn tggantcctn atnactgata anacnnaac tatantnttt 480
 tacccttgnn agcccaccag caagaatgag ttggagcaat cttttcatgt gacctnctta 540
 acanataatc tctgaatgaa tctacgttgt atttatcagg nggacaatgg gaataaagcn 600
 tttntaaagc accnantgga catgaaagca acagacacna ggagnnaagc cttgagacat 660
 gtctgmntc tgaccgcatn ttgatccant gntctgtgan gantntttca ctgaacattt 720
 tcaagaggag ggtgnatacc cctggcaatn gccnaanaa ag 762

<210> 3158
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 3158
 tgntttcccn ctngatcct ttctcacaac cttgtantgc tgcangatcc catcgattcg 60
 cgtctgtaat cccagctgct tgggaggctg aggcaggaga atcacttgaa ccctggaggt 120
 ggcggttgca gtgagcacag atcatgccac tgcactccag cctgggcaac aaaacgagac 180
 ttctctcaa aaaaaaaaaa catagaattt ggatcctttg gtcgggttct cccaaattct 240
 tttgaggtgt ccatggtcaa ctgcttcagc tttgtnttgg caaccccctg cccgaanncg 300
 catntaggtt gctcttcacc ttgtttccaa ggctgangaa cagaaagtag cctntgtttt 360
 gaggangtng aagttnanta tacatnnatt ttntactgng actngntcag gaccacattt 420
 tacaaaatgc ctngtttcct tcattgnntc tggaaaggaa agttctatta atattgnttt 480
 actntgaata tanaatagtt ttnantaatt agggcttatt tnnaaaaatt ctgagctaatt 540
 tcaaatgtat gccaatacct tccaaagtaa ggtaatatc anagacaagt tgctgtnatc 600
 anatggctta nagaaaatct ctggaatatt cacattctaa nattncttat taatngaagt 660
 tcctttgact taaatctacc aaaaaactgc aacattantc tttgncatnc tcattatata 720
 gngttaanaa gcttatttca nacnaataaa atctn 755

<210> 3159
 <211> 753
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (753)
 <223> n = A,T,C or G

<400> 3159

ttcccccent	ttntncett	tgtctcatcc	ttngccttt	tgcaggatcc	catcgattcg	60
cgtctgtaat	cccagctgct	tgggaggctg	aggcaggaga	atcacttgaa	ccctggagggt	120
ggcgggtgca	gtgagcacag	atcatgccac	tgcactccag	cctgggcaac	aaaacgagac	180
ttcgtctcaa	aaaaaaaaaa	catagaattt	ggatcctttg	gtcgggttct	cccaaattct	240
tttgagggtg	ccatgggtcaa	ctgcttcagc	tttgttttgg	caacccctg	cccgaagtcg	300
catataggct	gttcttcacc	ttgtttccaa	ggctgaggaa	cagaaagtag	cctctgtttt	360
gaggagggtg	aagttaagta	tacatttatt	ttttactgtg	acttgttcag	gaccacattt	420
tacaaaatgc	cttgtttcct	tcattgtttc	tggaaaggaa	agttctatta	atattgtttt	480
actttgaata	tagaatagtt	tttttaatta	gggcttattt	tgaaaaattc	tgagtttaat	540
tcaaagtgtat	gccaatacct	tccaaagtaa	ggtaatatcc	anagacagtt	gttgtgatca	600
gatggcttag	agaaatttct	ggaatattca	cattcgaaga	ttccttatta	atgaatgctt	660
tgacttaaat	ctaaccaaaa	actgcaacat	tattctttgt	acattttcat	tatatagtgg	720
taacaagctt	agttgcaaac	aatgaaata	ctt			753

<210> 3160
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (759)
 <223> n = A,T,C or G

<400> 3160

ggnttttann	nctttcta	ncttggtt	agttctttt	caggatccca	tcgattcgaa	60
ttcggcacga	gagtaccag	agttgcgagg	agttttttta	ctgatttagc	cnnttgga	120
tcagtagtga	atggatgaag	aaaggccct	tagaatggca	agattacatt	tacaaagagg	180
tccgagtgc	agccagtgc	aagaatgagt	ataaaggatg	ggttttaact	acagaccag	240
tctctyccaa	tattgtcctt	gtgaacttcc	ttgaagatgg	cagcatgtct	gtgaccygaa	300
ttatgggaca	tgctgtgcag	actgttgaaa	ctatgaatga	aggggaccat	agagtgaggg	360
agaagctgat	gcatttggtc	acgtctggag	actgcaaagc	atacagccca	gaggatctgg	420
aagagagaaa	gaacagccta	aagaaatggc	ttgagaagaa	ccacatcccc	atnactgaac	480
agggagacgc	tccaaggact	ctctgtgtgg	ctggggctct	gactatagac	ccaccatatt	540
gtccagaaaa	ttgcagcagc	tctaatgaga	atattctgtc	ncgtgttcaa	ggatcttatt	600
ggaaggacat	cttacagctt	ccaatgagaa	gccaagaagt	tgtgaacata	ctgattgaaa	660
aaagacttta	ttttaatccc	tcattaaaaa	ggtttttaaat	gttaaaaaaa	aaaaaaaaaa	720
acttcgagct	tttaactat	ngtgagtcga	ttcntataa			759

<210> 3161
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (783)
 <223> n = A,T,C or G

<400> 3161

ttctctgaa	acgttngca	cttccctcnc	tgcaggatcc	catcgattcg	aattcggcac	60
-----------	-----------	------------	------------	------------	------------	----

gagacactgt	cccactccat	caccaggct	ggagtccagt	ggtgtgatca	tagctcgtg	120
catcctccag	ttcctgggtt	caagccatcc	ctcctgcctc	agcctcccca	gtagctggaa	180
ctacaggtgt	gtgccatcac	acctggcttt	acatttttct	gtggggctct	actatgttgc	240
ccaggccggt	ctcaaactcc	tgagctcaag	tgatcctctg	ntcagcctc	cagagtatct	300
gggattacat	atgtcggcta	ccgtgtctgg	ccgttcacat	ctttggccac	tattngcttg	360
tgaaaaggta	tnatgaggtg	gtacttatca	tngttactgt	gtctcatgtt	nngtatattt	420
ttgcttcac	aactaagatg	cactgtaaca	tctgtgaaat	ctggatatat	tatcaaangg	480
tttatcatag	ttttgttaac	aatacactgt	cgttttactn	ggtgcctaan	ataatggtat	540
agttgnagag	tgatcctaga	tttgatgaag	cacagtatgc	aangtaggcc	taatggnggg	600
aaagaatggg	naattttcan	angcnnggaa	gtatttgnnt	ttttgtaaat	ggacttgaaa	660
agcttgttct	gnnggattgg	acccaacccc	tttccctttn	aaaccccgaa	ttctnatnga	720
ctnttccaac	ttngaaaact	ttgctcnaac	ttaaatacct	ttnaaaaatt	aacctgacc	780
ccg						783

<210> 3162

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 3162

ntntttgaat	ctttgaaata	cctttgctat	ngttctttnt	gcaggatccc	atcgattcga	60
attcggcacg	agaggttgct	cacctgaagg	agcacaggag	ggttttccag	gccatgtggc	120
tcagcttctt	caagcacaag	ctgcccctca	gcctctacaa	gaaggtgctg	ctgattgtgc	180
atgacgccat	cctgcgcgag	ctggcgcgag	ccacgctcat	gatcgacttc	ctcaccgcgc	240
cctgcgacct	cggggggggc	ctcagcctct	tggccttgaa	cgggctgttc	atcttgattc	300
acaaacacaa	cctggagtag	cctgacttct	accggaagct	ctacggcctc	ttggaccctt	360
ctgtctttca	cgtcaagtac	cgcgcgcgct	tcttccacct	ggctgacctc	ttcctgtcct	420
cctcccactn	cccgcctacc	tgggtggcgc	cttcgccaa	cggctggccc	gcctggccct	480
gacggctccc	cctgaggccc	tgctcatggt	cctgcctttc	atctgtaacc	tgtgcgcgcg	540
gcaccctgcc	tgcggggtcc	ttgtgcaccg	tccacacggg	cctgagtttg	gacgcgcgac	600
cctacgaccc	tggagaggag	gacccagccc	aagaccggg	cctttggaaa	acttccctgt	660
gggaagcttt	aagnncttcc	nanangccac	ttacccaacc	ttgaggggnt	ccaaangccc	720
gccanccggt	nattaaccaa	ggccctggnc	aatgcctgaa	ggtcaaacaa	tn	772

<210> 3163

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(759)

<223> n = A,T,C or G

<400> 3163

tcnnncnctt	ttcgatcttt	tgagncttgc	ctttgaaccc	cttggntacg	anttcggcac	60
gagggaaacca	tgananccna	gagctagaat	tgctattgga	tnnccgtctat	tctctntttg	120
cttattgggn	cgngntnctg	ggttntctgg	ctcangggtn	nncccgaaang	anggggtatc	180
tnngagcnan	ttntgcnnnt	tacnggctag	cttgntgggg	gcttaanntg	ccactnttan	240
acatgctnta	ctantcantg	agannntncn	ntcgaccatn	tannacnatn	ctgtgnnttc	300
cngtacnctn	tggccgnatg	gagctattag	cttcaanatg	nnctgnantg	ttacatgcan	360

ncaactgannt	nactatccan	natntaagtn	ctcttngctt	actgtgaaca	nnngctactn	420
ncttggatat	tatagnaagg	ntcnttgata	cncgatnate	ntnctgtca	gatcnataaa	480
tancanctat	accnactgt	naaatnccat	ctggnggnet	tncnatccan	acataattgc	540
attannncgt	cnaattgnga	tanagtnttg	aaagantctn	ggtttagacn	ttggatgttg	600
caatgnttgt	gncttanaan	ttatgtgctg	gctactgant	aanctggggg	catgaentta	660
ctggnttgac	ctaagngng	aantcnatgg	tccgattgct	ggncctanc	cttaagnttt	720
gcatgaata	ggnttttgc	cctaaaataa	naccctttt			759

<210> 3164

<211> 853

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (853)

<223> n = A,T,C or G

<400> 3164

ttttggance	nttctttgan	ncttttctaat	gctgggntac	tcgntctctc	tgcaggntcc	60
catcgattcg	aattcggcnc	gaggatcagc	ccacctcggc	ctcncaaagt	gctgggatta	120
caggcgtgag	ccaccttgcc	cagcccat	catacagttt	gaaatgaaac	tttgccacaa	180
ccagcctttg	ctgtagcaca	cacatatatc	actgaacctg	tttgaaataa	agtttttttt	240
ctttntctct	tggattcttg	ggttctgaag	tctggatttc	tggattcttg	ggttcaaaag	300
tatgacttga	gagtgttgct	ctggattctt	gagagttgct	ctgtattctg	ggttctgaag	360
attatttgaa	aaataactcc	tactacattg	aatgcagac	ttaaaaattt	aaacattgga	420
ttangcagtc	aaaaaaacca	agcaagcata	aaaggtcaat	aagttgtaat	cttgatagta	480
aaggtggaaa	acttattata	aatggnaang	aaagttttat	ttcctttttt	gtttgaatgg	540
gcaagtatgc	catattatac	ccaaaagttc	ttttaaaaaa	atatttccca	ttcaacccat	600
ttttaattna	aaattaaaac	cattttgnaa	gggaaanttt	acccaanggc	aanccttttt	660
tttctcccaa	aaaggttnac	cntgttnatc	cttctttttt	ggnaaattta	nccaccaatt	720
tttttaagg	ngggntcaat	gggnttaaaa	ntancctgn	aagnnatttt	ttnanccttc	780
caggtttaaa	antccccttg	gatnggggtc	taacctgggn	gggtngmata	naaaaaata	840
natectnttt	anc					853

<210> 3165

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (767)

<223> n = A,T,C or G

<400> 3165

gcgttctttg	aaagccctnt	tttgaaaggc	ttgcttctaa	ttacgggaaa	cctttgcaac	60
tgcagatccc	atcgattcga	attcggcacg	aggacccagg	tagaccagct	caagagttca	120
tggtctttgt	natectcttg	tgagctctct	gtaagtcnnt	ttcttgccca	tcaccacatc	180
cctagtactg	ggtatcagtc	tggccacttg	gctttctggt	ttgccccaat	gtggtctatt	240
cttgatgcag	ctaccaaagt	aatgttttaa	aaccattata	ccaagttact	atccttgtca	300
aaacccccag	taactgccaa	tctcacttag	aataaaatcc	ggactcctgt	gaagcacagc	360
ataaaatggc	cactgcctat	gcagcaacct	catctttacc	gnttctctgc	ttgctcactc	420
cgttcagcgg	cgttattctt	tctgatgcc	cctagtacac	aacaactcct	tcctgctcca	480
agagtaggaa	aattactggt	ctctctgcc	gngagaancc	tcttctggna	ttacctttgc	540
ttcattgcng	aatcttctnc	aatatcatct	tctaaaaaga	gcctttttaa	aatcaccttt	600

nctatnatgc cctactcatt tccagtcctt gaaanggccca ttcccacttn antannactt	660
attgctaacn tgaaatacac taaatgnnan ccttcatgaa nggtanggcc anttaaatgc	720
nttngcactg gnnaggcnaa gagaacaagc ancntggntt canaagn	767

<210> 3166

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (767)

<223> n = A,T,C or G

<400> 3166

gcgttctttg aaagccctnt tttgaaaggc ttgcttctaa ttacgggaaa cctttgcaac	60
tgcagatccc atcgattcga attcggcacg aggaccagc tagaccagct caagagttca	120
tggtctttgt natcctcctg tgagctctct gtaagtcnnt ttcttgccca tcaccacatc	180
cctagtactg ggtatcagtc tggccacttg gctttctggt ttgcccgaat gtggtctatt	240
cttgatgcag ctaccaaagt aatgttttaa aaccattata ccaagttact atccttgcca	300
aaaccccccag taactgccaa tctcacttag aataaaatcc ggactcctgt gaagcacagc	360
ataaactggc cactgcctat gcagcaacct catctttacc gnttcctgcc ttgctcactc	420
ccttccagcg cgttatttct tcctgatgcc cctagtacac aacaactcct tcctgctcca	480
agagtaggaa aattactggt ctctctgcca gngagaancc tcttctggna ttacctttgc	540
ttcattgcng aatcttctnc aatatcatct tctaaaaaga gcctttttaa aatcaccttt	600
nctatnatgc cctactcatt tccagtcctt gaaanggccca ttcccacttn antannactt	660
attgctaacn tgaaatacac taaatgnnan ccttcatgaa nggtanggcc anttaaatgc	720
nttngcactg gnnaggcnaa gagaacaagc ancntggntt canaagn	767

<210> 3167

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (767)

<223> n = A,T,C or G

<400> 3167

gcgttctttg aaagccctnt tttgaaaggc ttgcttctaa ttacgggaaa cctttgcaac	60
tgcagatccc atcgattcga attcggcacg aggaccagc tagaccagct caagagttca	120
tggtctttgt natcctcctg tgagctctct gtaagtcnnt ttcttgccca tcaccacatc	180
cctagtactg ggtatcagtc tggccacttg gctttctggt ttgcccgaat gtggtctatt	240
cttgatgcag ctaccaaagt aatgttttaa aaccattata ccaagttact atccttgcca	300
aaaccccccag taactgccaa tctcacttag aataaaatcc ggactcctgt gaagcacagc	360
ataaactggc cactgcctat gcagcaacct catctttacc gnttcctgcc ttgctcactc	420
ccttccagcg cgttatttct tcctgatgcc cctagtacac aacaactcct tcctgctcca	480
agagtaggaa aattactggt ctctctgcca gngagaancc tcttctggna ttacctttgc	540
ttcattgcng aatcttctnc aatatcatct tctaaaaaga gcctttttaa aatcaccttt	600
nctatnatgc cctactcatt tccagtcctt gaaanggccca ttcccacttn antannactt	660
attgctaacn tgaaatacac taaatgnnan ccttcatgaa nggtanggcc anttaaatgc	720
nttngcactg gnnaggcnaa gagaacaagc ancntggntt canaagn	767

<210> 3168

<211> 754

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(754)
<223> n = A,T,C or G

<400> 3168
 tttggagntc tttctttcta atncttggct actngntctt tntgcaggat cccatcgatt 60
 cgaattcggc acgagcggac ccatcgagc gtaacctgga tctccgcagg cctggcggag 120
 gccggccacc tggaggggca ttgcttggtt cgcgtggttag cagaggagct tgagaatggt 180
 cgcactcttac cacatacagt tctttacatg gctgattcag aaactttcat tagtctggaa 240
 gagtgtcgtg gccataagag agcaaggaaa agaactagta tggaaacagc acttgccctt 300
 gagaagctat tccccaaaca atgccaagtc cttgggattg tgaccccagg aattgtagtg 360
 actccaatgg gatcaggtag caatcgacct catgaaatag aaattggaga atctgggtttt 420
 gctttattat tccctcaa at tgaaggaatn aaaatacaac cctttcattt tattaaggat 480
 ccaaagaatt taacattaga aagacatcaa cttcactgaa gtaggtcttt tagataaccc 540
 ctgaacttcg tgtggtccct tgtctttggn tataaatgct gtaagggtgn agccantaat 600
 tntctgcaan aagtangnca gcacttttca gtgatttgaa tatcatcttg gcttngangc 660
 cangtgaca acctgtgcat aactgacttc tgaaaagaac cctntngata tttgatgcct 720
 cnggtgtngg tggaactgtc atttantngg anna 754

<210> 3169
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(734)
<223> n = A,T,C or G

<400> 3169
 tctgmnctn gtntccttgc tegtgttctt ttgcaggatc cctcgattcg aattcggcac 60
 gaggactgga gaagtcagaa gtagaaaagc agattgctag gagagacagg atgacagatt 120
 ttggtcagaa aatgggatat tggagtttaa agtatcaa at acagaatagt tccagatggt 180
 cagagatcca gcatgggatt aggtactgaa atggattaga actaaaagtc actagaattt 240
 agaaattgag aacctagaga gtggatgcaa tgacttggtg cttgattgaa aaataaatta 300
 ataataataa aggacctga gactagcctg ttataggggt tatctccatg aacattgaat 360
 tttcccagga tcatagcagg aattgggtag agaaaaagat tatgagaagg tgccagagtc 420
 ttcagtgaat gtcaggaaat taccaggaag tcagcatatg acagagaaaa ggacagtatg 480
 ttatctgcat caaaggaaaa tgtgcttttg ttgaaaagta cagaaaaagc caatactaca 540
 atactgtgct aagcccctac ctgtactcct ctcccacagc tgcattccag ccctgtggta 600
 taaaagggtg gagaatgagc ttttcacca gaatcagcag gtttagttaa agcatgagca 660
 gaacaagcat nctatgaaga gactgaggat gtaggtgagt ggtctaaatc tcatnnaagg 720
 acattgcagt ngat 734

<210> 3170
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(730)

<223> n = A,T,C or G

<400> 3170

gaantccttn nntttnaaat cnttggctac ttgttctttt tgcaggatcc catcgattcg	60
aattcggcac gatctagata ttgcccaatc gctgccaca gtgcacatac ctttccacca	120
gtcacatgtg agagggcaga ttttccaaat gctcatcacc acttggcact gtgtggacta	180
taattttggc cagttaggaa atggcatctc attgttttca tcttaatttg cgtcagcctg	240
attactcatt gaaacttggt aggttgagaa acttttctta agcttattgg ccattcaagt	300
ttcctccttt atgaaatggt tgttcattgtc atttgcctcat ttttatatta gattgttttt	360
cttttttcca gctgacttgt aggaactcta catcttatca atattaatca tttatcgaaa	420
actatttggg tgcattatc ttctcctagt caatgttttt tgtttgtgat atcttttata	480
atatataagt ttttaattgtt ggcagaagta aagttaatct ttttggctgt gttgtgtgtc	540
ttgtttgatg taaagatagt ttctgtaata gttttgcagt ttgattgggc atcttttaggt	600
cttcaattac aacctgcaca ttcattccctc tatectcttt cttactctgg ttttctccat	660
agcacttatc atccaataat atggcatgca cttattttaat ctggttttgca tatatatattt	720
ngctggtacg	730

<210> 3171

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 3171

nggnttcnnt ctaactnaaa cngttnggna actcncctct ntctgtngat cccatcgatt	60
cgctaacaag cgattctaaa ccacctatga gtatttcttt tagggctcac ttaaatacat	120
gtttgtatat actgtattct agccagaata attttagatc tgatcaggta gtagctaaaa	180
ttagaaaaaa acaaaataga tgcttaaaga atttgcattc atttttgagt ctaaaatcttt	240
taaaatatac tgagatccac atctagtga atgtcagtg caaaatatta tagattatag	300
ctaaaatcca gattaatact catttggggt tttttatagt ggaacttcat agtaatacaa	360
aaagcagatt gtcttctgt ctccgctgt cccacagtat gtattgaatc tggtaaaatc	420
agttttttga tagtgtgtgt atataagaaa aaatagatac acacattctt ttttctcagt	480
caacacattg attgaacact ctggcaaaga tgctgtggtg gatgangttg gagttcgaaa	540
agaagaagca agcgtggcc tgccttgaaa gaaccgaaa gtctttccca ttcacttctc	600
tagaaagctg ccaagacaga ngcagaaagg aaatggatga tagttctgtc aagcacactt	660
ctgntctcnt agaacttaga aatggttcta agagaacaga agttatngag aacagttcnt	720
gtggaattca acatcttggg tgggacncat tggcttt	757

<210> 3172

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (805)

<223> n = A,T,C or G

<400> 3172

cnaatncttg ctcttgnct ntttcnaatn cttggcnact cgttttctnt gggatccct	60
cnnganncna tcgttcgaat tcggcacgag cacaaggaga agaaagttaa ttaacattga	120
aagatgagaa gacatcttgg aagacttgaa ttgggccttg gaagaagaac agccattcaa	180

atagatagaa	ttgtggtagc	aaaggcatat	ngntcggaaa	gtatagatct	ccagggacag	240
tagtcatggg	gttggggcac	tgttggaatt	taagggttga	aggatatatt	ggagcccctt	300
gaatacggta	acaaggcaca	ccttgggcag	tggagagtta	tcagagtgtt	tgaaaaggag	360
ggttattgag	taaaataata	gactgggtact	ttaggaattt	taaaatgtgg	atcattgtac	420
tactaataac	tatntatttt	atatttacta	tctactaagt	aattttacatg	tattttcttg	480
tactgactgt	aaaccttctg	ggtgtgggtg	ttttaagtgc	cattttactg	ataaagaaac	540
tgangcttaa	atagntgaaa	tanntcaccc	tgttagtgcg	tggcacaaatg	acaagtcann	600
atcttanggt	tgccnanntc	caaaaanncat	ttaaanttnn	agnatnattg	annnttttnc	660
cttatggcnt	nnnaaatattg	gggagccatt	attgaaatcc	nttacnacnt	angaattgnc	720
caaaaaaaat	actttttggg	gaaaactgga	tttattaatt	atccaaaata	atttnantgg	780
cttgnttggc	ttntttccac	tnntnc				805

<210> 3173

<211> 886

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (886)

<223> n = A,T,C or G

<400> 3173

cggnnnnnnn	gnagcccctt	tggnaaangc	ctctaaggga	aangcctttt	tgaaaacnan	60
angaaaacct	ntgggaaaag	nccncannna	ttttngngaa	annggcnnga	gcnnanantn	120
ggacacngtt	ntaannnnan	nagnnnggt	tttnnganan	agggnnnnna	gnggnannna	180
ngngnnggag	ggaannaagg	nanagnannn	ggnagnnaag	gnnnnaaaga	agnagnnang	240
gaganggnnn	gngngggggc	atgangnggg	nncagaggca	cgaggagccc	aagaccatca	300
cngangagna	ngagcagggn	accnacatnn	acnnggacna	cgagaagngg	ggccagcgga	360
agaaggaagg	nagnacctng	agnaccgnta	ccaggaggan	cgggaccnac	agngacanag	420
gnccnnnncn	anacggannn	nanaaacngg	aagcaggann	nnnanggacc	aagggaaggg	480
nncnngnncn	ggaaaganng	ggagggaggn	ncgaaggcaa	aggggggann	cgnnannncc	540
aggaagnang	gaaggggggn	cgggaggnna	annganaaga	ngaaccnngg	gggnncaggg	600
gggagagggg	agcanaannn	nnccnnagnc	aanngaaggg	gananaagag	ngggaaaann	660
aannagaaag	agggaagana	agnnaaggaa	anagaagang	ngnaaanngg	gganaaaaana	720
ngngganann	gnngganana	ngngnannan	aaaanngagg	aggncanngg	gnaaanaana	780
nggggagggg	nganananag	ngaannagac	aaggaanagn	gaannagngn	anagnanngn	840
gnannaaagg	nannggggna	anaagnanna	nannnnnagn	gaagan		886

<210> 3174

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (781)

<223> n = A,T,C or G

<400> 3174

gcttttnann	nccctncttt	cnaancctct	tcaaactcctt	ggntatcggt	ctntctgnng	60
gatcccatcg	attcgaattc	ggcacgagag	acaaagaaaa	aggtggcaat	catagaagag	120
ttagtagtag	gttatgaaac	ctctctaaaa	agctgccggt	tattttaacc	caatgatgat	180
ggaaaggagg	aaccaccaac	cacattactt	tgggtccnnt	nctacttggc	acaacattat	240
gacaaaattg	gtcagccatc	tattgctttg	gagtacataa	atactgctat	tgaaagtaca	300
cctacattaa	tagaactctt	tctcgtgaaa	gctaaaatct	ataagcatgc	tggaaatatt	360

aaagaagctg	caaggtggat	ggatgaggcc	caggccttgg	acacagcaga	cagattttatc	420
aactccaaat	gtgcaaaata	catgctaaaa	gccaacctga	ttaaagaagc	tgaagaaatg	480
tgctcaaaag	ttacaaggga	aggaacatca	gcggtagaga	atttgaatga	aatgcagtgc	540
atgtggttcc	aaacagaatg	tgcccaggct	tataaagcaa	tgaataaatt	tggatgaagca	600
cttaagaaat	gtcatgagat	tgagagacat	tttataggaa	atcactgatg	accagtttga	660
ctttcataca	tactggatga	aggaagatta	cccttagatc	atatgtggac	ttattnaaac	720
tatgaagatg	tacttttnaca	gcatncattt	tacttcaagg	cagcaagaat	tgctttttaga	780
c						781

<210> 3175

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3175

gnttttnnatn	cctcttttcta	atnncttggc	tactcgntct	ntctgnanga	tcccatcgat	60
tgaatttcgg	cacgagagat	tatgagcatg	tagaagatga	aacttttcct	cctttccac	120
ctccagcctc	tccagagaga	caagatggtg	aaggaactga	gcctgatgaa	gagtcaggaa	180
atggagcacc	tggttcctgta	cctcccgcg	ccgaacagtt	aaaagaaata	taccaagct	240
ggatgctcag	agattaattt	cagagagagg	acttcagcc	ttaaggcatg	tatttgataa	300
ggcaaaattc	aaaggtaaag	gtcatgaggc	tgaagacttg	aagatgctaa	tcagacacat	360
ggagcactgg	gcacataggc	tattccctaa	actgcagttt	gaggatttta	ttgacagagt	420
tgaataacctg	ggaagtaaaa	aggaagtcca	nacctgttta	aaacgaattc	gacttgatct	480
ccctatttta	catgaagatt	tttgtagca	ataatgatga	agttgcggag	aataatgaac	540
atgatgtcnc	ttctactgaa	ttagatccct	ttctgacaaa	cttatctgaa	agtgagatgt	600
ttgcttcttg	agttaagtag	aagcctaaca	gaaggagcca	accacaaaga	attgagagaa	660
atnaacaact	gggccttngg	aaagaaangc	nggccaagct	gcttgagtaa	tagtcaganc	720
ctanggaat	gatntggtta	atgaattcac	cccaggncac	accngttga	agagc	775

<210> 3176

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 3176

tgnttcta	gctngctctc	gttctttctg	caggatccca	tctattcgaa	ttgatgagcc	60
ttattaacta	tcttttcatt	atgagacaaa	ggttctgatt	atgcctactg	gttgaaattt	120
tttaacttag	tcaagaagga	aaatttgatg	aggaagggaag	gaatggatat	cttcagaagg	180
gcttcgccta	agctggaaca	tggatagatt	ccattctaac	ataaagatct	ttaagttcaa	240
atatagatga	gttgactggt	agatttggtg	gtagtgtgctt	tctcgggata	taagaagcaa	300
aatcaactgc	tacaagtaaa	gaggggatgg	ggaaggtgtt	gcacatttaa	agagagaaaag	360
tgtgaaaaag	cctaattgtg	ggaatgcaca	ggtttcacca	gatcagatga	tgtctggtta	420
ttctgtaaat	tatagtttct	tatcccagaa	attactgcct	tcaccatccc	taatatcttc	480
taattggtat	catataatga	cccactcttt	cttatgttat	ccaaacagtt	atgtggcatt	540
tagtaatggg	aatgtacatg	ggaatttccc	actgacttac	ctttctgtcc	ttgggaagct	600
taaactctga	atcttctcat	ctgttnaaat	gtgnattaaa	gtatctacct	aactgagtng	660

tgantgtant gaaagaaagg ncatatntta aacnttgaat ttancaagcc cacnctcgna 720
 ttttatgncc tttcttttgc ctngggattg aanc 754

<210> 3177

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(743)

<223> n = A,T,C or G

<400> 3177

tannnnnttnc	tntannnttt	ctgangccct	tntgcaggat	cccatcgatt	cgaattcggc	60
acgaggagat	ctctgggatg	tcagtgaggc	tggttgaaga	ccagaggtaa	actgcagagg	120
tcaccacccc	caccatgtcc	caggtgatgt	ccagcccact	gctggcagga	ggccatgctg	180
tcagcttggc	gccttgtgat	gagcccagga	ggaccctgca	cccagcaccc	agccccagcc	240
tgccacccca	gtgttcttac	tacaccacgg	aaggctgggg	agcccaggcc	ctgatggccc	300
ccgtgccctg	catggggccc	cctggccgac	tccagcaagc	cccacagggt	gaggccaaag	360
ccacctgctt	cctgccgtcc	cctggtgaga	aggccttggg	gaccccagag	gaccttgact	420
cctacattga	cttctcactg	gagagcctca	atcagatgat	cctggaactg	gacccacact	480
tccaactgct	tccccangg	actgggggct	cccangctga	nctggcccag	agcaccatgt	540
caatgagaaa	gaaggaggaa	tctgaacctt	gggtaaggat	ttggggcaca	gtaccaggaa	600
gggggcttgg	tgccagacct	tatgaggaag	aaggattttc	ctatgtacag	agaangggac	660
cctgtnctgt	tgggaagtgc	ttgtgcaaac	ctaaccaagt	tactaacccc	tctgntttct	720
gtgtacaca	aaggggataa	att				743

<210> 3178

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(786)

<223> n = A,T,C or G

<400> 3178

gatgtttnnn	annctgggtc	taatncttgg	aaanctncnn	ctttgttann	ngcnntttct	60
gcaggatccc	atcgattcga	attcggcacg	agcccagctg	gacctgggtg	ccctttccta	120
gtgcctctgc	tgggggagga	gaacctctgt	ccacgtggag	gctaggaggt	ctcaggtgct	180
gccttggcag	caccagagtg	tgggcccggc	ccagtggtct	gcccctcggc	cctcaggttg	240
gggcacttag	caccagaag	ggaccaaag	cagggcatgg	cggtgcagag	gagtttggga	300
ggtgtaaaca	gccccatgca	cgtggaggag	gagctggctt	tcagccccag	acccacgct	360
agcactttcc	acgtgcttg	cccgtgttg	atgtgcagtt	cccagtcct	gtgtgagccg	420
acatctgctc	agtcctatcc	ctcgtcagcg	tgtggagacc	cagctcctgc	aagcccttct	480
gcttccacgc	ccccagacag	cttggtgagg	ggtcctgcat	ctgggccaaag	ctgggggtgca	540
cccagccaaa	gacaaagctg	ccttcacgtg	cccaaaggat	tcaagatggt	gcactggccc	600
cgggaggagt	cttgacaaaa	aatgggagcc	cgctcttgtg	gggaaanccc	cgacttcccc	660
caccnanaaa	ccgntcccac	ggtgccggan	cttccccctt	ttcctttgtg	ggggcaacaa	720
nattggcctt	gggcnccttc	aattnttncg	gaagctttcc	tgggtgtngg	cttttgacct	780
taaaaat						786

<210> 3179

<211> 765

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (765)
<223> n = A,T,C or G

<400> 3179
gttgaantcc ttcctttcaa atngcttggc tactcgntct ntntgcagga tcccatcgat 60
tcgaattcgg cacgagccca catgtaccag gttgagtttg aagatggatc ccagatagca 120
atgaagagag aggacatcta cacttttagat gaagagttac ccaagagagt gaaagctcga 180
ttttccacag cctctgacat gcgatttgaa gacacgtttt atggagcaga cattatccaa 240
ggggagagaa agagacaaag agtgctgagc tccaggttta agaataaata tgtggccgac 300
cctgtatacc gcactttttt gaagagctct tccagaaga agtgccagaa gagacagtag 360
tctgcataca tcgctgcagg ccacagagca gcttgggttg gaagagagaa gatgaaggga 420
catccttggg gctgtgccgt gagttttgct ggcatangtg acaggggttg tctctgacag 480
tggtaaatcg ggtttccaga gtttggtcac caaaaataca aaatacaccc aatgaattgg 540
acgcagcaat ctgaaatcat ctctagtctt gctttccttg tgagcagttg tctttctatg 600
atccccaaag aagtttttct aaagtnaaaa ggaaaattcc tagtggaatt canccccaa 660
gggaaaaaag ccacttgnc cacannagga agccnggntn ccccttngtt ccggcttaan 720
ggccccttgt tcaggaaacc aactggggg ancttntttt ttttn 765

<210> 3180
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (783)
<223> n = A,T,C or G

<400> 3180
agttgaantn cttgctacnn aaaacctttg gcnactngct ctttntgtag gatcccatcg 60
attcgcaaaag atggctcgat tactaaaggt gaataaccag cgcggnnngc acgtggagtc 120
actggaacat ttgtgcaatg ctggtgggaa tgtaaccctg tgcggccctc tggaataagc 180
ctggcagctc ctccaagagt taccngtgta cccancaatt cactcctag ctccaccac 240
aggaattgaa agcaaanacg caaacagatg cctgtncacc aaagtccacg gcagcatnct 300
tcgncatagt ggcagcatcc gtcgtcacag cggcatcatc cttcatcata ggggcagcat 360
ccgtcgtcac aageggcagc atccttcgcc acagnggcan gcatctgtcg tcacancggn 420
agcatccttc gacaaagcgg cagcatnctt cgtnatagcn gcagcatcct ttgccatanc 480
cggcaagggtg gaaaccctgt ccatccactg aggcgtgcat agactaaaca tgggcagtc 540
agcactggaa ttccaagccg tacaacggng nccacngtca aaaangaatg aggaccctga 600
ngcacctgng cnganaacaa gaacnngcga nccaanact ttttagacat tattgcctta 660
agtngaaaaa cccagngcac caacgggaaa ccngaccgnc ntgnanccct gnttaacntt 720
nantnngtn cccgaaaatg ggggcacntt nccaaaaagg ggaataaaaag gggagaattn 780
cct 783

<210> 3181
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 3181

gntttgaaat	nccnttnntt	caaatnctng	gctacttggt	ctttttgcag	gatcccatcg	60
attcgaattc	ggcacgagna	atgcaaagg	ctgcagttct	cattcaggct	actttcagga	120
tgcacagaac	atatattaca	tttcagactt	ggaaacatgc	ttcaattcta	attcagcaac	180
attatcgaac	atatagagct	gcaaaattgc	aaagagaaaa	ttatatcaga	caatggcatt	240
ctgctgtggt	tattcaggct	gcatataaag	gaatgaaagc	aagacaactt	ttaaggga	300
aacacaaagc	ttctattgta	atacaaggca	cctacagaat	gtataggcag	tattgtttct	360
accaaaagct	tcagtgggct	acaaaaatca	tacaagaaaa	atatagagca	aataaaaaga	420
aacagaaagt	atttcaacac	aatgaactta	agaaagagac	ttgtgttcag	gcagggtttc	480
aggacatgaa	cataaaaaaa	cagattcagg	aacagcacca	ggctgccatt	attattcaga	540
agcattgtaa	agccttttaa	ataaggaagc	attatctcca	cattagagca	acagtagttt	600
ctattcaaag	aagatacaga	aaactaactg	cagtgcgtcc	ccaacaagtt	atttgtatac	660
agtcttatta	cagangcttt	aaagttccaa	aaggatattc	aaaaaatatgc	caccgggctt	720
gccacactta	attcagncat	tctatcnaat	gccccagggc			760

<210> 3182

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 3182

ggnnttnnna	gnntttgaan	tccctttntt	tctaantcta	ggcttctngt	tctttttgca	60
ggatcccatc	gattcgctca	gctgaggcaa	ttaaaactgga	aaagaaatag	attgaaaaga	120
tactacagaa	gaagcagtag	agaagtggg	ggactgaagg	agagggagcc	actgcagggtg	180
ctagctgctt	aaggggatac	cagtcctttt	acagatataa	tagatacagc	ttctgagggtg	240
gagggtgata	ggagtgtgta	gagaaattgc	agttcagAAC	tggagcatgc	agttaggcaa	300
gaggcatccc	atgtgaagat	gtcaagcaag	tactggaaaa	tgctgaactc	aaaattcagg	360
atggatatgt	agatttagag	aacttcattg	tagaggcagt	cattgaaagc	taaaagggct	420
gataataaaa	ttgccaaagg	tggaaatagt	aagagggagt	cagtgttatt	aggattagaa	480
ttctgttttg	ttttttcttt	aaacagattc	tcgctctgtc	accctggctg	gagtgaagtg	540
gtgtgatctc	ggctcactgc	ggcctcgacc	tcccaggctc	aagttatcct	cccaactctc	600
agccttccaa	gtagctggga	ccacagccat	tcaaacacat	gcctgcctta	tgtttggatt	660
tttttgtana	aaccaagggt	ttgccatgtt	tnccaggctg	gnctnngaac	ttctgggctt	720
aagccattcc	cccacccttg	ggtctcccaa	aatgctngcc	attatangg		769

<210> 3183

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 3183

tgnttttaat	cnttctaant	cttggtcttt	gttctttttg	caggatccct	cgattcgaat	60
tcggcacgag	gtccgaagaa	aaagactgtg	gtggcgagaga	tgctctctcc	aatggcatca	120

agaaacacag	aacaagtttg	ccttctccta	tgttttccag	aatgacttc	agtatctgga	180
gcacccctcag	aaaatgtatt	ggaatggaac	tatccaagat	cacgatgcca	gttatattta	240
atgagcctct	gagcttcccta	cagcgcctaa	ctgaatacat	ggagcatact	tacctcatcc	300
acaaggccag	ttcactctct	gatcctgttg	aaaggatgca	gtgtgtagct	gcgtttgctg	360
tatctgctgt	tgcttctcag	tggaacgga	ctggaaaacc	tttcaacca	ctgctgggag	420
agacttatga	attagtgcga	gatgacctg	gatttagact	catctccgaa	caggtcagcc	480
atcacccacc	aatcagtgca	tttcatgctg	aaggattaaa	caatgacttc	atctttcatg	540
gctctatcta	tcccaaactg	aaattctggg	ggaagagtgt	agaacagaac	ccaaaggaac	600
catcaccttg	gagctncttg	aacacaatga	ggcatataca	tggacaaatc	cacctgctgt	660
gtgcataata	tcattgnggg	taaactgtgg	atcgaacagt	ntggcaatgt	ggaaattnta	720
accncagact	ggggacaaat	ntgtgttg				748

<210> 3184

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(755)

<223> n = A,T,C or G

<400> 3184

ntgctttcna	atctttntaa	atgcctttgg	cttctcgnct	tttctgcagg	atcccatcga	60
ttcgaattcg	gcacgagaaa	aagtaaagct	tttcatgagc	acaaatncct	tgcatgtgtt	120
gatgttactg	atattcgtaa	aatgaatatt	ttttgttttg	ttttgtttta	tttttttgag	180
acaagtcttg	ctttgttgcc	caggctggag	tgcaatggca	tgatcttggc	tcactgcaac	240
ccctgccttg	cgagtccaag	tgattcttct	gcctcagcct	cctgagtagc	tgggattaca	300
ggcgctcacc	accacacca	gctaatttct	gtatttttag	tagacacagg	gttttaccat	360
gttgccagg	ctggtctcaa	actcctgacc	tcaaactcct	cacacctgta	atctcagcac	420
tttgggaggc	tgaggtggaa	ggatcacttg	aagccagagt	ttgagaccag	cctgtgcaac	480
acagcaagac	cccgtctcta	caaaaactta	aaaaatttagc	tggctgtggt	gttgctcacc	540
catagttcca	gctactcggg	aagctgagca	ntaagatcac	ttgagccan	gaggccnatg	600
cttncantga	actgtgattg	tttcantac	agncacctg	ggtgacanag	taaaanaaan	660
gaacattac	ataatttggc	tagagcataa	taatttgatt	tctgggttat	gaaattnnag	720
ttgccataaa	aggnntttna	atngcnant	tcant			755

<210> 3185

<211> 1009

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1009)

<223> n = A,T,C or G

<400> 3185

agcntttttt	ngaantcccc	ctttntttna	aaaateccct	tttttgcaa	aaaattcccc	60
ccntntntna	nngttttttn	gatnccccca	tncngnaatn	tncgggcncg	ggnnactgnc	120
nannggcnc	cttcgggggn	ccngtgntaa	gncnatnctt	gtntntanaa	agntggnnnt	180
nttttncgat	ngngactatt	gncnacnctc	tccntnttg	gcagngngtc	tgganggttg	240
nggtngctca	tntggntaan	ccnatcctgg	ngaccaanng	gccngggtgn	gcntgcaagc	300
tttgccacn	tgggaaancc	gnnagtggtn	gtctcanttg	cntgntgggn	ncntgncccc	360
atcttgntg	ctgnancctt	ggggagcagg	nnctnggtng	tggtnctgcc	tgcttgctgc	420
tngttccccg	ggcatgcgtn	nncannaagg	gncatgcntn	gggcaanaag	gtgcgtggnc	480

ancgtnnngna	tnnnnaggac	caccntgggt	cgngaatcnn	tgggttncct	gataggaacc	540
ntnaannnct	gcngntttta	ttaaatggga	nnanangggg	ncanttcaaa	gccagtnnaa	600
tgcccttatg	gaangngtg	natnacatan	cnnntatgt	gtcntanann	angaaatcgt	660
tnnncaaatt	tnnacaanaa	tntttntaan	aaaggggtatt	tnantntngg	tgaaanaaca	720
angntttaaa	gtnaaatgnt	tntancanaa	ttaantaaac	nggtnttnat	gattncttac	780
naaantaacn	atncnnaagc	atttacngct	tanangtccn	cnnngatactn	ncanaaatatg	840
gnnnnaattn	tannanatng	cgataatctn	gnananactn	tcatnnnnna	tngtgtaatc	900
antanmtacn	tgatttnnnt	naaatgaaaa	catntgatnc	aagattaatn	cattanntat	960
acnaaaatnt	tcanatanta	natntacata	taatgggttc	naataaacn		1009

<210> 3186

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (840)

<223> n = A,T,C or G

<400> 3186

cggatnncgt	nagganngat	ngtagnannc	tcgtcnccc	tntgagnaag	ggngngcgaa	60
ntcggcacga	ggaccaggt	agaccagctc	annagnnntt	tttctttgtc	atcctcctgt	120
gagctctctg	naagtctctt	tcttgcccat	caccacatcc	ctagtactgg	gtatcagtct	180
ggccacttgg	ctttctggtt	tgccccaatg	tggnctattc	ttgatgcagc	taccaaagta	240
atgtttttaa	accatnatac	caagttacta	tccttgcaaa	acccccagta	actgccaatc	300
tcacttagaa	taaaatccgg	actcctgtga	agcacacata	actgggccac	tgntatgca	360
gcaacctcat	ctttaccgtt	tcctgccttg	ctcactccct	ttcaagcgcc	gntattcttc	420
ctgatgccct	agtacacaac	aactccttct	gcttcaaaga	gtangaaaat	tactggntct	480
tctgccagtg	agantccnct	tctgggnatta	cccttgctnc	aattgctgaa	acttctncaa	540
atatcaacct	tctaaaaaag	agccctttta	aaaacaccct	tttctaatat	ggccccact	600
caaatttcca	agtccccctg	naattggggc	caatttcccc	caactttcaa	taagcaacct	660
taaatgggct	aatcctggaa	aattnacccc	cctaaaaang	gngcaancct	ttnaatggaa	720
nngggtaagg	gccaaanttn	aattnggncc	tntngngnna	cctggggnaa	anggncccta	780
ggaaggaaac	ccaagcctaa	cttgsggctt	caaaaaenit	anggggcaac	cttcnaadna	840

<210> 3187

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (739)

<223> n = A,T,C or G

<400> 3187

gcgntnntat	tagcgtgggc	tcgntctcgc	tcnancanc	nngngctggn	cgaattcggt	60
acgagaatca	gaggaggctt	cttcacccct	caactccatg	atgaactcct	atatgaagtg	120
gcagaagaag	atgttggtca	ggtagctcag	attgtcaaga	atgaaatgga	aagtgtgtga	180
aaactgtctg	tgaaattgaa	agtgaagtg	aaaataggcg	ccagctgggg	agagctaaag	240
gactttgatg	tgtaactgtg	ctggtgatga	agtcctccca	gggaagcctg	tgcatatgca	300
gtcacctgga	aagaacagag	attccctttc	acctacctca	gcaaaacaaa	ctttcaagtc	360
ttgatagact	tagcctagta	atthtatagt	gagagtttca	aactatatat	caagtgtcta	420
tagcatcaaa	aactctctgg	ggcggtgggg	aaagtagaat	accaagtata	atagttacat	480
tcactttcaa	agagcatcta	tgaatttgcc	ttttgtaact	tactgtggct	ttaaacatat	540

tcagaacaga	tgcttgaaat	atgcacttag	cacttttggtt	ccacatctgt	ctgggtaaac	600
catgaagaaa	atgaagctgc	tgctcaatc	gancccagac	agcagccata	ggcagataaa	660
gatttnggtt	cacccttggt	ggtgggaggc	atcgtgtgtg	cctttttttc	ctctaataac	720
aattttacag	tccgggaan					739

<210> 3188

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (738)

<223> n = A,T,C or G

<400> 3188

gnnnngcgtt	cnaattncgn	ggnttctttc	tngecnanna	nnannngcgt	gngngaattc	60
ggcacgagac	tggttcacct	aagttccact	ataaacaggc	tcattgactcg	ggcacagaca	120
cttcttgctg	gactttttcc	tatgatggta	atgtccttgc	ctctcgtgga	ggtgacgatt	180
cattaaaatt	atgggacatc	cgacaattta	ataaacact	tttttcagcc	tcgggtcttc	240
ccaccatgtt	cccaatgact	gactgctgtt	tcagtcagga	tgataagctc	atagtcactg	300
gtacatctat	tcaaagagga	tgtggcagcg	gcaaacttgt	tttctttgag	cgtaggactt	360
tccaaagggt	gtatgaaata	gacatcacag	atgcgagtgt	tggtcgtgct	ctgtggcctc	420
caaagctgaa	ccagatcatg	gttggaactg	gaaatggatt	ggctaaagtc	tattacgacc	480
ccaacaagag	tcagagggga	gcaaaattat	gtgtgggttaa	aacccancgg	aaggcaaac	540
aagctgagac	tctactcagg	actacatcat	caccctcat	gccttgctta	tggtcccggtg	600
agccccgnca	acggagtaca	aaggaaacag	ctggagaagg	acagactgga	tccttgaagt	660
cgcattaacc	tgaacctcct	gtancangcc	cangtcgtgg	tggccgattt	ggaacccacg	720
ggggcactnt	tttttctt					738

<210> 3189

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 3189

tggggnntnn	nttctaattc	tgggatgttc	taaangntgg	gctactcgtt	ctttccgcag	60
gancccntcg	attcgaattc	ggcacgagga	aagggtggcg	gcttctcacg	gctgagttgc	120
tgcgctgca	gacggaagct	ccccacaggc	agagctgctt	ggatgtgtga	gtcatgaagc	180
cagagaagcc	ccgctccatg	agcagtgcct	ccccaggccc	tgtgacctcc	ctcctgtctt	240
gcagctcctc	ctggcaccag	tccccagggc	tctcctgttg	gtagttcctg	cttttcttct	300
tggaaattcc	tcgtggacct	cgagatcttt	accctaaaat	agttctgttg	aatttcaccc	360
tggcaatgta	aattgatagc	ttatcttcac	agatgccaga	caatggacaa	ctcaccatca	420
gtcctctgct	cacctgagac	aaatgcatgt	ctgattgctt	cctctgccct	attgnttatg	480
tgaatatgca	gattcactga	gccagactaa	ggcatcagtg	actgttcttc	tactgcctct	540
cacatggaga	ttgtgtattc	agtgaaggc	tgatcaaaga	ccccaaagga	atgcaccagt	600
ttatctctta	tctacctatg	acctgcgagc	tgncaccac	ccccagttgt	tgcgcctttc	660
cagacagaac	cagtgtcatc	ttacacgtat	taattggatg	tcttgngnct	tccttaatat	720
gtatcaaac	aagctngcct	tgaacacctt	gggcacn			757

<210> 3190

<211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 3190
 gnngnnnnnn tttctaagtc ttgggnnnnn ngtcnatgcn taagagccan gcggnctcgaa 60
 ttccggcacga ggcgggcccc gccagcggaa gccctgcgc ccgcgccatg tcaaagaaaa 120
 aaaggactga gtgcagaaga aaagagaact cgcntgatgg aaatatatttc tgaaacaaaa 180
 gatgtatttc anttaaaaga cttggagaag attgctccca aagagaaagg ctttactgct 240
 atgtcagtaa aagaagtcct tcaaagctta gttgatgatg gtatggttga ctgtgagagg 300
 atcggaaactt ctaattatta ttgggctttt ccaagtaaag ctcttcatgc aaggaaacat 360
 aagttggagg ttctggaatc tcagttgtct gagggaagtc aaaagcatgc aagcctacag 420
 aaaagcattg agaaagctaa aattggccga tgttgaaacg gaagagcgac caggcttagc 480
 aaaagacttt cttcacttcg agaccaaang ggaacagcta aaggcagaag tagaaaaaat 540
 ncaaagactg tgatcccgca agttgtngga agaaatcgcc aagcaatna agtagcccaa 600
 ggaactgctt acagatggac tgattacata ttcgcaataa aatcttnggc ccaaagaaaa 660
 atttnggggtt tgaaggaaaa ttaaattggt tngaaccttt tggaatttcc cgaaagactt 720
 ttgcctncnt ngacttaaaa tatttccatg gnggtgaaag gttgtccaan ctt 773

<210> 3191
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 3191
 gnangnnngn ttcntagtc ccgtgggagt cttagatncc ctaaaaaatt gntaatgctn 60
 ggtcggcacg agtcaaggcc tacgaaacag gtgatgcact accccgggcta cggttcccc 120
 atgcctggca gctnggccat gggcccggtc acgaacaaaa cgggcctgga cgcctcgccc 180
 ntggccgcag atacctccta ctaccagggg gtgtactccc ggcccattat gaactcctct 240
 taagaagacg acggcttcag gcccggttaa ctttggcacc ccggatcgag gacaagtga 300
 agagcaagtg ggggtcgaga ctttggggag acggtgttgc agagacgcaa gggagaagaa 360
 atccataaca cccccacccc aacaccccca agacagcaat cttcttcacc cgcttgcaac 420
 ccgttcctgc ccaaacagag ggccacacag atacccacg ttctatataa ggaggaaacc 480
 gggaaaagaa tataaagtta aaaaaaaagc ctccggtttc cactactgng tagacttctt 540
 gcttcttcaa cacctgcaga ttctgatttt tttgtgttg gttgttctct ccattgctgn 600
 tgggtgcangg aagtcttact taaaaaaaaa aaaattttgn gagtgactcg gtgtaaaacc 660
 atgttanttt taacagaacc nanaagggtt gncctattgg ttaaaaaaaaaa aaaaaaaaaa 720
 aaacttngng cctttagaac tattannag nccnatttac nttaatccan nct 773

<210> 3192
 <211> 754
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 3192

ttggantctt	ctcngaaacn	cttngcnatt	gcncntntctg	naggatccca	tcgattcgaa	60
ttcggcacga	ggttcttcaa	agccaaccaa	gacaggcttn	tnagttttag	agcttcagaa	120
caaattgccca	aaagccagag	ttgtttatgc	tagtgcaact	ggtgcttctg	aaccacgcaa	180
catggcctat	atgaaccgtc	ttggcatatg	gggtgagggt	actccattta	gagaattcag	240
tgatttttatt	caagcagtag	aacggagagg	agttggtgcc	atggaaatag	ttgctatgga	300
tatgaagctt	agaggaatgt	acattgctcg	acaactgagc	tttactggag	tgaccttcaa	360
aattgaggaa	gttcttcttt	ctcagagcta	cgttaaaatg	tataacaaag	ctgtcaagct	420
gtgggtcatt	gccagagagc	ggtttcagca	agctgcagat	ctgattgatg	ctgagcaacg	480
aatgaagaag	tccatgtggg	gtcagttctg	gtctgctnac	cagaggttct	tcaaattctta	540
tgcatagcaa	tccaaagtta	aaagggtttg	tgccactagc	tcgagaggaa	atcaangaat	600
ggaaaaatgt	gttgtaattg	gtctgcantc	tacaaggaga	agctangaac	atttagaaag	660
ctttggaaaag	aaggccggng	ggagaaattg	aatgattttt	ggtttcaact	nccaaaagggt	720
gtgttgcnct	cccttctttg	aaaaaacatt	ttct			754

<210> 3193

<211> 856

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (856)

<223> n = A,T,C or G

<400> 3193

tggtgcnctg	tectattccg	tgtntctgtn	ctnccnccagg	ancnangcgt	ntcgaattcg	60
gcacgaggaa	ggagagacct	ggcacacaca	tatggtggcc	acaccagga	gggtagtggg	120
gagtttagatt	tcagagtcca	ggccctaggt	tgggaccac	tccaaataat	ctcctcggtg	180
tggttggtgg	ttctatagag	ggataaatga	ataataaaca	ttgttaaaat	atacgaaaaa	240
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	anaanaaaaa	300
aaananaaaa	aaananaaaa	aaananaaaa	aaananaaaa	aaananaaaa	aaananaaaa	360
nattcngggg	ggntttttcc	tecanncenn	ntntttaata	nncntcttnt	tgnntcttng	420
nctcaccnnt	tcttttggtg	ggcnntaana	naaaatnttn	nttttttttn	ggntanaaat	480
ncnntnncng	ttttttntnn	ttttttttcn	aaacctctct	ntntnancct	ncgtntcnaa	540
aaanntnttt	ntccnncnnc	nttnntntnt	nctntttcta	ttttnttttc	ttntncaann	600
ttccnangtg	nnnngngtnt	nntgnggctt	gtttnttttt	ncnncctngc	gtcatccnnc	660
caataatttc	tttncncccc	nannccnnt	ttttntntnc	ctctatntnn	gnngngnnat	720
atnantcccc	tttattnttn	atnantagtc	ntntnttttn	ttntccntng	tnatannatt	780
ttntntcccn	ntntaanttc	ctcannnnat	ttntntnnnc	ncgngntata	tttnangnta	840
nntcnnccgg	gttnct					856

<210> 3194

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 3194

gtntngnnng	nngtttnnatt	atatggntcg	nctnnctcna	nnancnangc	ttgnctgac	60
aacttgattg	gggttctcctt	caggtttgaa	gcgccctcna	gaagtgtcta	aaggagacag	120
ttgatagcca	aacaacagtt	ttggattcac	tgactgatta	tgaaagaagc	agtagactgg	180
tatcaagaat	cagtcagcaa	ggaggccctc	accagacgcc	agtgccatgt	tcttggactt	240
ctcagcctcc	atattcatga	actaagtttt	tggaatcctt	aggttccac	gtgtggaaag	300
cctgagctaa	cctactggag	gatgagccat	cacctggagc	agattcaggc	catcctagtt	360
gaagcctccc	taggccaagc	aaccgtccaa	ctaccagaca	ttgaccattc	agccttgaac	420
attcagcaca	aagacaaaac	agaccagacc	agaagagtc	cacagaatag	gggaaactat	480
tcagagaaaa	cttaagccac	taagttttat	ggtgttttgt	tcttgtagcc	agaagcatag	540
gcatactggc	caatacaaac	cgaaatcctt	ctaacttant	ggaccctttt	caggccagca	600
ttttttccct	tgaaaacctg	ggagccttgt	attccatctt	attagcagaa	gatcactttc	660
accaatgggt	tgggctcttg	atttggatt	gatgatgtaa	tgagcctnta	ttcnanatgn	720
gacttaatac	ctctgcgaat	tgactggatt	ccn			753

<210> 3195

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (840)

<223> n = A,T,C or G

<400> 3195

cggatnncgt	nagganngat	ngtagnancn	tcgctcnccc	tntgagnaag	ggngngcgaa	60
ntcggcacga	ggaccacaggt	agaccagctc	annagnnntt	tttctttgtc	atcctcctgt	120
gagctctctg	naagtctctt	tcttgcccat	caccacatcc	ctagtactgg	gtatcagtct	180
ggccacttgg	ctttctggtt	tgccecaatg	tggntctatc	ttgatgcagc	taccaaagta	240
atgtttttaa	accatnatac	caagttacta	tccttgcaaa	acccccagta	actgccaatc	300
tcacttagaa	taaaatccgg	actcctgtga	agcacacata	actgggccac	tgnctatgca	360
gcaacctcat	ctttaccgtt	tcctgccttg	ctcactccct	ttcaagegcc	gntattcttc	420
ctgatgccct	agtacacaac	aactccttct	gcttcaaaga	gtangaaaat	tactggntct	480
tctgccagtg	agantccnct	tctggnatta	cccttgctnc	aattgctgaa	acttctncaa	540
atgtccacct	tcctgaaaag	agccctttta	aaaacaccct	tttctaatac	ggccctcact	600
caaatttcca	agtcccctgg	naattggggc	caatttcccc	caactttcaa	taagcaacct	660
taaatgggct	aatcctggaa	aattnaccct	cctaaaaang	gngcaancct	ttnaatggaa	720
nngggtaagg	gccaaanttn	aattnggncc	tntngngnna	cctggggnaa	anggncccta	780
ggaaggaaac	ccaagccaan	cttggggctt	caaaaaannt	anggggcaac	cttcnaaana	840

<210> 3196

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (840)

<223> n = A,T,C or G

<400> 3196

cggatnncgt	nagganngat	ngtagnancn	tcgctcnccc	tntgagnaag	ggngngcgaa	60
ntcggcacga	ggaccacaggt	agaccagctc	annagnnntt	tttctttgtc	atcctcctgt	120
gagctctctg	naagtctctt	tcttgcccat	caccacatcc	ctagtactgg	gtatcagtct	180
ggccacttgg	ctttctggtt	tgccecaatg	tggntctatc	ttgatgcagc	taccaaagta	240
atgtttttaa	accatnatac	caagttacta	tccttgcaaa	acccccagta	actgccaatc	300

tcacttagaa	taaaatccgg	actcctgtga	agcacacata	actggggcac	tgncatgca	360
gcaacctcat	ctttaccgtt	tcctgccttg	ctcactccct	ttcaagcgcc	gntattcttc	420
ctgatgccct	agtacacaac	aactccttct	gcttcaaaga	gtangaaaat	tactggncctc	480
tctgccagtg	agantccnct	tctgggnatta	cccttgctnc	aattgctgaa	acttctncaa	540
atatcaacct	tctaaaaaag	agccctttta	aaaacacctt	tttctaatat	ggccccact	600
caaatttcca	agtcccttgg	naattggggc	caatttcccc	caactttcaa	taagcaacct	660
taaatgggct	aatcctggaa	aattnacccc	cctaaaaang	gngcaancct	ttnaatggaa	720
nngggtgaag	gccaaanttn	aattnggncc	tntngngnna	cctggggnaa	anggncccta	780
ggaaggaaac	ccaagccaan	cttgggggctt	caaaaaannt	anggggcaac	cttcnaaana	840

<210> 3197

<211> 833

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(833)

<223> n = A,T,C or G

<400> 3197

atccngttct	ntannnnngtc	tngttctttc	tncacgaten	nntgcgattc	gaattcggca	60
cgaggggtcc	tggtgggagt	tccatccagc	agtgagtgca	ttttttcccc	agagcagtta	120
agggtcttat	taaaagccac	cactttgctg	aggcctgtac	aggccttggg	ggtttgggga	180
agagaantaa	ggcaggcact	tgtcccttca	gggagggact	tgtccntact	gggaggtttg	240
gggttgacct	tggtccagc	agagataccc	agcctggcnt	ggaagggcag	gtcttgagct	300
tacgcttgac	tgcaagggca	agctgcaggc	ctcttctgcc	ttccccctgca	ttcaccaagg	360
acaagtagga	ccaagaagtc	aagggaaaaag	tgccaagata	gatctattcc	catttctttc	420
ttccacctgg	agaattcctg	agctatgctt	caaacctctt	ttggggccagg	gaaagactgg	480
gggacatttt	ttagtcaagg	atgctttaag	aaagtaaatt	cctgcttggg	ggcccaggcc	540
ttctttttca	agggcttgct	tgtgaatgcc	caacccaaaa	aaaggggccc	ccaaggccca	600
atcccttact	tcctnggtcc	ccccaaaaag	ggatnccaan	ttggggaatt	gggaaaactt	660
gggcanncac	ccnaanccca	ctttggtagg	anttnacca	cccaaccaac	ccaaaaccan	720
cccacccaaa	ttnaaaaaaa	ggccaaaacc	accaaccaac	cnaaacccnn	annnnnnnnn	780
nannnnnnnn	nnnaaaaaaa	ctttgagggc	ttttaaaaac	tnttngngn	ggg	833

<210> 3198

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 3198

gtnnnnnttca	atgcttggct	ctttccnagc	naggatccca	tcgattcgcc	aggctagtct	60
tgaactcctg	gcctcaagca	atcctcccac	ctcggcctcc	caaagtgcctg	ggattaaagg	120
cgtgagccac	cgtacctggc	ccttggtgga	atcttttaggg	ttttctattc	atacatataa	180
aatcatatca	ttggcaaaca	gagataattt	tacttntctc	tttccaattt	ggatgcctta	240
gatttctttt	ccttgectaa	ctgctctgtc	tagaactccc	agcactatgc	tgaatagagt	300
ggcaagagca	ggcatttgcc	ttgttcctaa	ccttagagaa	aaatccttca	gccttttacc	360
attgaggatg	atgtttgctg	ttagtttttc	ataaatgatc	tatatcaggc	tgaataaatt	420
tctatttcta	aaaaaaaaaa	ntnctttnct	ttanaaaaaa	tgctaaaaaa	aaaaaactcg	480
agcctttaaa	actatagnga	gtcgnnttac	gtaaatccag	acntgataag	atncattgat	540

gagtttggca	aaccacactn	naatgcagtg	aaaaaaatgc	tttatttgng	aaatttggga	600
tgctattgct	taatttgnaa	cccttttaag	ctgnaataaa	caagttaaca	acaccaatgg	660
attcatttat	ngttcangtt	cagggggagg	tntngnaggg	tttttaattc	cgggccnnng	720
gnccaaanca	ttt					733

<210> 3199

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (870)

<223> n = A,T,C or G

<400> 3199

nagttaanag	taggtcttgt	cttttgcaag	atcntancca	ttcgaattcg	gcacgagtat	60
ataacaactt	ttgctttcaa	agttgggttg	gactagancn	cncantggaa	ggntggagtc	120
agganacctg	gattnttgng	cccgnntnng	nttttacagt	ntgcctaant	ttntgcagtn	180
acttcnngcc	ancctgtttc	nttacntnca	anagggaaag	acantccttg	gccagcctag	240
ttttnagggg	gaacgaaagg	tcnttntcac	tgcntcctct	agtcatttgc	ttcttcgnta	300
attaacacat	cttgagcacc	tgcnatgttc	caggaacagg	agatggcanc	gtgcaagata	360
aagtccttga	cttctagaga	ctgcatgtta	gtggcaatcg	gcgtntacc	ggccttnaat	420
aaactactga	atgaaggaaa	attctaccta	caccagacac	aattactggg	gtttctaaaa	480
tggaattatt	cccccgcccc	cntgcatcca	gcagcctgnt	gcagggaaac	tcctccnaaa	540
ggcttgtaag	gcaaggaanc	cgggacaatg	gcntggctat	ttaagcttnc	aacaagatgg	600
ttacccttaa	gtncctaatt	ccctaacacc	aagggggccc	tttaccagga	aacccaaacc	660
aggttaaaaa	accccaaagt	tgggnaaaaa	gccatttgcc	anccggggcc	nttttaaaaa	720
aaacctttna	aaaacctttc	ccttttaaaa	ctttaccttc	aagntaaaan	tttaagggga	780
atgggnccaa	nttttttaac	canceccaaa	aaaaantnng	gnaatttttt	ttcccnaaat	840
tttttnaant	tccccaatt	tnggaaaang				870

<210> 3200

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (733)

<223> n = A,T,C or G

<400> 3200

nagtttaann	gtatgtcttg	tcttttccaa	gatectatcc	gattcgaatt	cggcacgaga	60
agtgtcagtt	ttcctaattc	cagtccaggt	aggattttaa	aantntctca	agtgttgatg	120
ctntccaagc	ntgttggggg	ggaagggaat	tggtgccag	aaaatgggac	tggagtggag	180
aatatctttt	cttttgagag	tncccccagt	taatttntnc	tgtgcttnat	tgctnctgtn	240
ctttattgtg	aatgttgtaa	cattttaaaa	atgttttgcc	ntagcttttt	aggacttggn	300
gttaaaggag	ccagtgggtc	ctctgggttg	gtncataat	gagttattgt	gacccacagc	360
ttgtgtggga	ccacatcact	tgtaataaac	acaaccttta	aagtaacca	tcttccaggg	420
gggttccttc	atgttgccac	tcctttttta	nggacaaact	caggcaagga	gcatgttttt	480
tngtnattta	caaaatctan	cagactgtgg	gtatccatat	ttnaattgtc	gggtgacaca	540
tgttcttggg	aactaaactc	aaatatgtct	ttctcatata	tgtgctgatg	gttttaataa	600
atgtcaaggt	tctcctgtta	aaaaaaaaaa	aaaaaaaaac	tcgagccttt	anaactntnt	660
gagtcgnta	cntagatccn	gacatgataa	gatcatgatg	agtttggaca	accncaactng	720
aagcagtga	aaa					733

<210> 3201
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = A,T,C or G

<400> 3201
 gatgccgggt cctatgatgn gctctcggtt tcctaggagt tccaanactn ggctngcncg 60
 aggncttnta aatatatctn ggntttanta ggtgataagt nctgtcantt agtancatct 120
 gaaaaaancag ctttgcctcg ggtgaaaaag gatgccaaaa ttgcctggaa aagagcagtg 180
 anaggagtcg gggagatgtg tgatgcntgt gaagcancat tgtttancat tcaactgggtc 240
 tgccaaaaat gtggatttgt ggtctgctta gattgttnca aggcaaagga aaggaagagt 300
 tctagagata aagaactata tgcttggtat aagtgtgtga agggacagcc tcatgatcac 360
 aaacntttaa tgccaaccca aattatacct ggttctgttt tgacagatct tctagatgcc 420
 atgcacactc ttagggaaaa atatggtatt aaatcccatt gncattgtct aacaaacaga 480
 atttacaagt tggaaaatttt cctncatgaa tgggtgatct caagtttaca gaatgtctta 540
 atcacagtat aaaattctct gngcatgcct gagtctcagc gccaaaatcc tctccgaag 600
 tctgagaaaa atggtggcag cnncccaana aagtgtgttt nggcnccaga ttaccaggtt 660
 aacttctctc agaatnccag tcaccactgn actggntage anatcttgcc gagccaaaaa 720
 gccnaagng ggaaaaaaa aaaaaaaa 748

<210> 3202
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = A,T,C or G

<400> 3202
 ggnnnnngnn ngntnncggt ccctattant caggngctcg ntctntctcn annnancnng 60
 gcgtgtncga attcggcacg aggattttcg aaactcttca gctacttgcc cttttttatc 120
 tgaaaccatc ataccttctg aaagaaaaaa gcatatcttc attgacataa cagaagttag 180
 atggcccatg cttgatacag atggtccatg atatatatgg agagtggcat tgtgaagata 240
 acatcttttag atggtcatgc atacctctgc ctgcccagat ctcagcatga atttacagta 300
 cattttttgt gtaaagtttag ccagaagtca gactcatctg cagtgttggtc agaaacaaat 360
 aataaagccc caaaagataa actagttgaa aaaactggca aaatctgtat acgtggaaat 420
 ttaccaggac agagactgaa gaataaagaa aatgagtttc attgccagat catgaaatcc 480
 aaagaaactt taaagaagat gagttgtgta aatggaactg aagggagggg aagaactgcc 540
 ttgcctggtg acaaagcaca catgtgtata cacatgggtc aagcagtgct ggtctgtggc 600
 tgnctgtcca gangaatgga aatatccttg gcttttagcac ttcatcttca taataaaatc 660
 agcaattntg tctaaaaaaa aaaannnana aaaaactnga gcctntanaa ctntagtgag 720
 tcgtattacg tagatncnna catgataa 748

<210> 3203
 <211> 780
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (780)
 <223> n = A,T,C or G

<400> 3203

ctaaatgctt	tggganagnn	ncccccttga	ancctntnaa	atcctttggc	aanttgcnct	60
cnctgtngga	tcccatcgat	tcgaattcgg	cacgagagac	agggagaaga	gaggaagagg	120
gagctgcagg	tgccagaaga	gaacagggcg	gactctcagg	acgaaaagag	tcaaaccttt	180
ttgggaaaat	cagaggaagt	aactggaaaag	caagaagnca	nggtctaaag	gagaaagggg	240
tcccagtcag	cgggcaggag	gcgaaagagc	cagagagttg	ggatggggggc	aggctggggg	300
cagtgggaag	agcgaggagc	agggaagagg	agaatgagca	tcatgggcct	tcaatgcccg	360
ctctgatagc	ccctgaggac	tctcctcact	gtgacctgtt	tccaggtgcc	tcatatctcg	420
tgactcagat	tcccgggact	cagacagagt	ccagggctga	ggaactgtcc	cccgcagctc	480
tgtctccctt	gctagagccc	atcagatgct	ctcaccagcc	catttctcta	cngggctcct	540
ttttgactga	ggagtcacct	gacaaggaaa	aacttctatc	agtactttga	tatgtcacag	600
tttcatgttt	atccagttca	atgtattttt	aaatttttcc	ttgagacttc	tttgactgat	660
agattattgt	gaagtgtgtt	tttaaaattt	ncaaattgtt	aagggatttt	catatctttc	720
ttaatgctga	tttccaattt	ggattcccta	caatgattct	gggattcatc	tgtctctggac	780

<210> 3204
 <211> 796
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (796)
 <223> n = A,T,C or G

<400> 3204

tcttttaatg	ctttttncaa	gccttggttn	aaatcctttg	caggatccca	tcgattcgaa	60
ttcggcacga	gactaccccg	gctacggttc	ccccatgcct	ggcagcttgg	ccatggggccc	120
gggtcacgaac	aaaacggggc	tggaagcctc	gcccctggcc	gcagatacct	cctactacca	180
gggggtgtac	tcccgcccca	ttatgaactc	ctcttaagaa	gacgacggct	tcaggcccg	240
ctaactctgg	caccccgat	cgaggacaag	tgagagagca	agtggggg	gagactctgg	300
ggagacggtg	ttgcaagaga	cgcaaggag	aagaaatcat	aacaccccca	cccnaacacc	360
nncaagacag	cagtcttctt	cacccgctgc	agcgttncg	ttccaaacag	agggccacac	420
agaatacccc	acgtttttat	ataaggagga	aaaccggnaa	aanaatttaa	aagttaaaaa	480
aatanccctt	cngttttaca	ctactgntgt	agactcctgn	tttcttcaan	cacctgnaga	540
ttcttgattt	ttttgttgtt	gatgntctct	ccattgcttg	tngtttgcnt	gggaantttt	600
atttaaaaaa	aaaaaaaatt	cttgtgagtn	gactttggnt	tttaaacan	tgntagattt	660
taacngnacc	cttaatgggt	tgtacntata	tgmtttnaaa	acatgnnaan	aaatatattaa	720
tgtaaaggnn	ctgttnttaa	atntaaccac	ntanagaant	tnnaaannnn	ttnanccctt	780
tagaacnatt	nntgng					796

<210> 3205
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (769)
 <223> n = A,T,C or G

<400> 3205

ttttaatacn	tttttnaatn	cttgcttnog	ntcctttgca	ggatcccatc	gattcgaatt	60
cggcacgaga	gcaattccac	tcctagctcc	acccacaggt	aattgaaagc	aaagacgcaa	120
acagatgcct	gtgcaccaa	gttcacggca	gcacccctcg	ccatagtggc	agcatccgtc	180
gtcacagcgg	natcatcctt	catcatagcg	gcagcatccg	tcgtcacagc	ggcagcatcc	240
ttcgccacag	cggcagcatc	tgtegtcaca	gnngcagcat	ccttcgccaa	agcggcagca	300
tccttcgtca	tagcggcagc	atcctttgcc	atagcggcaa	ggtggaaacc	ctgtccatcc	360
actgagggcg	gcatagacta	aacatggcca	gtccaggcac	tggaatccag	gccgtanaac	420
ggngcccacn	gtcaaaagga	atgagaccct	gatgcactgg	gcgacacaga	cgggagacac	480
agacttgagg	acatcatgct	aagtgaaaag	ccaggcacac	ggagcggacg	gggtgacctc	540
gctcacgtga	tgtgtcccga	atgggcacnt	tcagagggga	agaanggaga	tggcgcttga	600
cngtgnccgg	gacnggggtt	gggagcgacc	ggttgttggg	ttngggtttc	tttctngggg	660
gaaggaaatg	tttttgatat	tggggccggt	tgggtgatnt	ttgcattacc	ctttgaatat	720
gcttanaacc	cnctagaaat	tgnnacactt	tttaaantgn	ttggaaatt		769

<210> 3206

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (749)

<223> n = A,T,C or G

<400> 3206

tggttctaata	ctaggtntac	tcgccttttg	caggatctna	tcgattcnaa	ttcggcacga	60
ggggctctgg	tgggagtnnc	atncagcagn	ganngcattc	tttcncaca	ncagtnaacg	120
gtcttatttaa	nagccaccac	tttnctgang	cctgtacagg	ccttgngngt	tngngaaaca	180
gaaatnncgc	aggcacttgt	accttcaagn	anggacttgt	gcctnactgn	nagggttggc	240
gttgaccttg	gctcnacnga	cataccant	ctgacttnna	acngncncgt	ctnagcttac	300
gctagactgc	acnnccaagn	ttgcangcct	ntntngnctt	ccttgcattn	accaatgaca	360
gtacgaccaa	cagtcaanga	aaagtgccaa	gatatatcta	tcccatttct	tctacacctg	420
tanattcctn	actatgctca	aactatgtgg	ngcaangaan	actggngnac	atttttagtc	480
aatgatgctg	acaattaatt	actggtgngg	ccaggcatat	nttcacggct	gcttgtgatg	540
ggaacnaaga	acgggcccc	gcctcatcct	actcctngnc	cccaaanaga	tcagtgaga	600
atgggaagct	gnnannacca	acccaactnn	tgattttacca	ccaacnccaa	anatcacgca	660
tgnnnacagc	aaaacaacaa	cncnatgcac	ttaacaagna	nccnaaaant	naactcngnc	720
ctctaaaact	attngggant	cctttanct				749

<210> 3207

<211> 848

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (848)

<223> n = A,T,C or G

<400> 3207

gnatgncgg	atttcttaa	tgatggggnn	nnnnngagcg	anncttccga	aanttccaat	60
annctggng	ntcgcaactc	nctcnanaca	gnaaggncgn	gggctttgct	ctctccattc	120
caagtgtgntc	tctgttctag	aaagcagatg	tagtagacat	ctactgttgt	tgcttgaaca	180
gaatcccttt	gtcctttttt	tgntaaaagt	actcatccct	aatattcatt	gtnttggaag	240
gactgaaaat	acagaactca	caccatgatc	ggccgggaca	atcagattat	ttcatccnc	300
agcaaacgga	gatcganccg	aaaagtggaa	anatgagcnc	ttctttggng	ttggcatatg	360

gaccctgaga	gaaagaactn	tnattntttc	tcttggactg	caataaagta	tagctgccta	420
aaatacgntt	cctgacactt	ggaggnttgt	ccacaatcgg	ngaaataaag	gcgagaccgn	480
acactggatg	aaaaaaanaa	gnnnccngnn	gaanaccac	tnnnccannn	nccnnnccnn	540
tncnccanng	nnganccnnn	tanccgnnan	naggccnnng	cnntngcnnc	nnngccnnnn	600
nnnnnngggg	aaaccncccc	gnnnnnccnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnggnnctnn	nnnnnnnnnc	ccnnncnncc	cnnccnccnn	nggnaanncc	nnnnnnnnnn	720
annnnngggg	nnnnnnnnnn	ccnnnnnnnn	cannncnnnn	cnnnnnnggg	nnnnnnnnnn	780
nnnnnnnnnn	ncnnngngnn	acnnnnngnn	nnnnccnnnn	nnnnnnncng	nnnnnnnnnn	840
nnnncccc						848

<210> 3208

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(770)

<223> n = A,T,C or G

<400> 3208

tgggnnnngnn	ccnaaangcng	gggannggt	ccccgttcca	anactggaan	ncttggcann	60
cgaactcgct	cnannagnaa	ggccggngga	attcggcacg	aggccccgct	ccatgagcag	120
tgactcccca	gctcctcctg	gcaccagtec	ccagggtctt	cctgttggtg	gttcctgctt	180
ttcttcttgg	aaattcctcg	tggacctega	gatctttacc	ctaaaatagt	tctgttgaat	240
ttcaccctgg	caatgtaaat	tgatagctta	tcttcacaga	tgccagacaa	tggacaactc	300
accatcagtc	ctctgctcac	ctgagacaaa	tgcattgtctg	attgcttcct	ctgccctatt	360
ggntatgtga	aaatgcagat	tcactgagcc	agactaaggc	atcagtgact	ggtcctctac	420
ctgcctctca	catggagatt	gggtattcag	tgaaggctg	atcaaagacc	caaaggaatg	480
caacagttta	tctcttatct	acctatgacc	tgcganctgc	caccaccccc	agntggngcg	540
cctttccaga	cagaaccagt	gtacatctta	cacgtattaa	atngatgtcc	cnggggctcc	600
cnaaanangna	tcaaacaagc	ngggcctega	ccaccttggg	cacatatccc	nanggacatc	660
annctggagg	ctngngncac	tggcattggc	cctnaccctn	ggcaaaaataa	accttctaaa	720
attggnaaaa	aanaaanaa	aaaaacctng	nncctntna	naacnntacg		770

<210> 3209

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(727)

<223> n = A,T,C or G

<400> 3209

gtgatctttt	tgagtggggg	ccntnctngc	tctannan	aggttnggng	ggctagcgat	60
ttctacctgc	gctactacgt	agggcacaag	ggcaagtttg	ggcacgagtt	tctggagttc	120
gaatttcggc	ccggacggaa	agcttagata	tgccaacaac	agcaattaca	aaaatgatgt	180
gatgatcaga	aaagagctta	tgtgcacaag	agtgtaatgg	aagaactgaa	gagaattatt	240
gatgacagtg	aaattacaaa	agaagatgat	gctttgtggc	ctccccctgat	aggggtggcc	300
gacaggagct	tgaatttgta	attggagatg	agcacatata	ttttaccaca	tcaaaaatag	360
gttctcttat	tgatgtaaat	caagtcaaag	gatcctgaag	gccttcgagt	atcttactat	420
ttggtacaa	acttgaatg	tttagttttc	agtcttattg	gattacactt	caagattaaa	480
ccaattttaa	ttgtatgttt	tcaagctggg	tgnatattta	attaaaaggga	tgggaagggg	540
ttatttgtca	tttacagtat	tgggggtttt	tgaatgtgaa	gcaaccacaaa	aaaattnnaa	600

tgtaaaactg	gaaaatagga	aaattcatta	ncagcttaat	gggtatcctt	acttgatnnc	660
ctgggtttgg	aagtcccccac	acacattaaa	tctgtaatga	aancnctttt	ggttaaaatt	720
tctctat						727

<210> 3210

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 3210

gnngctancc	tttccctatta	nnttgganct	ntnttctntc	tncangtanc	nnntgcnctg	60
ncgaattcgg	cacgaggatt	ttcgaaaactc	ttcagctact	tgcccttttt	tatctgaaac	120
catcatacct	tctgaaagaa	aaaagcatat	cttcattgac	ataacagaag	tgagatggcc	180
cagtcttgat	acagatggta	ccatgatata	tatggagagt	ggcattgtga	agataacatc	240
tttagatggg	catgcatacc	tctgcctgcc	cagatctcag	catgaattta	cagtacattt	300
tttgtgtaaa	gttagccaga	agtcagactc	atctgcagtg	ttgcagaaca	aataataaag	360
ccccaaaaga	taaaactagtt	gaaaaaactg	gcaaaatctg	tatacgtgga	aattttaccag	420
gacagagact	gaagaataaa	gaaaatgagt	ttcattgcca	gatcatgaaa	tccaaagaaa	480
ctttaaagaa	gatgagttgt	gtaaatggaa	ctgaagggag	ggaagagctg	ccttcgcctg	540
gtacaaagca	cacatgtgta	tacacatggg	tcaagcagtg	ctggtctgtg	gctgcctgtc	600
cagangaatg	gaaatatcct	ttgncttttag	cacttcattt	tcataataaa	atcagcaatt	660
tgtctaaaaa	aaaananana	aaaaaaactc	gagccctnta	naactntngt	gaggccnant	720
tacgttgaat	ccagacntga	ttat				744

<210> 3211

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 3211

gtntngnnng	nngttnnatt	atatggntcg	nctnnctcna	nnancnangc	ttgngctgac	60
aacttgattg	ggttctcctt	cagggttgaa	gcgcctcna	gaagtgtcta	aaggagacag	120
ttgatagecca	aacaacagtt	ttggattcac	tgactgatta	tgaaagaagc	agtagactgg	180
tatcaagaat	cagtcagcaa	ggaggccctc	accagacgcc	agtgccatgt	tcttggaactt	240
ctcagcctcc	atattcatga	actaagtttt	tggaatectt	aggtctccac	gtgtggaaag	300
cctgagctaa	cctactggag	gatgagccat	cacctggagc	agattcaggc	catcctagtt	360
gaagcctccc	taggccaagc	aaccgtccaa	ctaccagaca	ttgaccattc	agccttgaac	420
attcagcaca	aagacaaaac	agaccagacc	agaagagtcc	cacagaatag	gggaaactat	480
tcagagaaaa	cttaagccac	taagttttat	ggtgttttgt	tcttgtagcc	agaagcatag	540
gcatactggc	caatacaaac	cgaaatcctt	ctaacttant	ggaccctttt	caggccagca	600
ttttttccct	tgaaaacctg	ggagccttgt	attccatctt	attagcagaa	gatcactttc	660
accaatgggt	tgggctcttg	atttggaatt	gatgatgtaa	tgagcctnta	ttcnanatgn	720
gacttaatac	ctctgcgaat	tgactggatt	ccn			753

<210> 3212

<211> 763

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(763)
<223> n = A,T,C or G

<400> 3212

ngggtgnnnn	nntttcta	nctgggggnc	nntnnnnnnn	ntttccta	ncttagngc	60
tcgttctttc	tccangcagn	nnngcgtttc	gcgacagctc	tccaatactc	aggttaatgc	120
tgaaaaatca	tccaagacag	ttattgcaag	agttaaattt	ttgaaaactg	gctactgctc	180
tgtgtttaca	gacgtgtgca	gttgtaggca	tgtagctaca	ggacattttt	aagggccccag	240
gatcggtttt	tcccagggca	agcagaagag	aaaatgttgt	atatgtcttt	tacccggcac	300
attccccttg	cctaaataca	agggtcggag	tctgcacggg	acctattaga	gtattttcca	360
caatgatgat	gatttcagca	gggatgacgt	catcatcaca	ttcagggcta	ttttttcccc	420
cacaaaccca	agggcagggg	ccactcttag	ctaaatccct	ccccgtgact	gcaatagaac	480
cctctgggga	gctcangaag	gggtgtgctg	agttctataa	tataagctgc	catatatattt	540
gtagacaagt	atggctcctc	cgtatctctc	cttccttagga	gaggagtgtg	aacaaggagc	600
ttagataaga	caccccttaa	accattcccc	ttttccagga	gacctaccct	tcacaggcac	660
aggtecccaa	atgagaagtc	tgctacctca	tttctcatct	ttttactaaa	ctcaaangca	720
ntgacagcag	tcagggacag	acattcattt	cttnatacct	tcc		763

<210> 3213
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(819)
<223> n = A,T,C or G

<400> 3213

gnagnnccgn	ttcttatgat	cgtggctnet	cntctanngg	ttgtgtaatg	ctnggtcnnc	60
angannnnnt	gcganncgaa	ttcgggcacga	agggggggttc	ccaatagtag	aaaaggggtcc	120
ccattcctgc	tcagcacccg	acctctctac	ccccccacag	acacacatgc	agacacacac	180
atgcagacaa	cacgcagaca	cacacatgca	ggcactcaca	tgcaggccca	tgacacacaca	240
cgtgcacaca	catgcagaga	catgcagaca	cgcaggcaca	catgcacaca	tgcaaagaca	300
cgcattgcagg	cacacgcaga	cgcacacaga	gacacacatg	cagatcacat	gcacacacac	360
atacacacac	tggcccctgt	ttttctgtgg	tgctactggg	tgccagcaac	tcggtatctn	420
ccaccttcca	ctaaaacctg	ggccttaatt	tctctccgt	ccccaccct	aaattcctga	480
tgatgaacc	tagagctgtc	ctgtccactc	caggccggac	tgacgtancc	tatgggcccc	540
gcagggtccag	ggccccagtt	ttaatttctt	tttnaaaagc	tttaggtctt	ggccngggccg	600
ccggtggttc	acgccttggg	agttcccagc	atttttnggg	aaggccnaag	gccgggttgg	660
attcacaag	gtcaagcaag	tttcaaggaa	ccaagccttg	aaccaggcca	ttgggtgagg	720
aaccctgggc	ttnttactng	ggnaaattcc	caaaaaaaaa	ttggccttgg	gccnaagggg	780
gggcaagggc	acccttggtg	gggtccccaa	antttacct			819

<210> 3214
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)... (819)

<223> n = A,T,C or G

<400> 3214

gnagnnccggn	ttcttatgat	cgtggctnct	cntctanngg	ttgtgtaatg	ctnggtcnnc	60
angannnnnt	gcganncgaa	ttcggcacga	aggggggttc	ccaatagtag	aaaaggggcc	120
ccattcctgc	tcagcaccgc	acctctctac	ccccccacag	acacacatgc	agacacacac	180
atgcagacaa	catgcagaca	cacacatgca	ggcctcacca	tgcaggccca	tgcacacaca	240
cgtgcacaca	catgcagaga	catgcagaca	cgcaggcaca	catgcacaca	tgcaaagaca	300
cgcagtcagg	cacacgcaga	cgcacacaga	gacacacatg	cagatcacat	gcacacacac	360
atacacacac	tggccccctgt	ttttctgtgg	tgtcactggg	tgccagcaac	tcggtatctn	420
ccaccttcca	ctaaaacctg	ggccttaatt	tctctcccg	ccccaccct	aaattcctga	480
tggatgaacc	tagagctgtc	ctgtccactc	caggccggac	tgacgtancc	tatgggcccc	540
gcagggtccag	ggcccacgtt	ttaatttctt	tttnaaaagc	tttaggtctt	ggccngggccg	600
ccggtgggttc	acgccttggg	agttcccagc	atttttnggg	aaggccnaag	gccgggttg	660
attcacaag	gtcaagcaag	tttcaaggaa	ccaagccttg	aaccaggcca	ttgggtgagg	720
aaccttgggc	ttnttactng	ggnaaattcc	caaaaaaaaa	ttggccttgg	gccnaagggt	780
gggcaagggc	acccttggtg	gggtccccaa	antttacct			819

<210> 3215

<211> 844

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (844)

<223> n = A,T,C or G

<400> 3215

nggnnnntnn	nnnnnatncc	ntgatcgtgt	ntcgttcttt	ctncaggatn	nnntcgtttc	60
gaattcggca	cgaggaaaag	ggagccgcgc	agngcctacg	ggagtnccgc	ggcagcagcc	120
ggtaccggca	accacgggca	gctctcaggg	aatctccgtc	gttgaggcca	naggctccag	180
tccccgcgag	tccagatgcc	tgtccagcct	ccaagcaaag	acacagaaga	gatggaagca	240
gaggggtgatt	ctgtcgtga	gatgaatggg	gaggaggaag	agagtgagga	ggcgcgganc	300
ggcagccaga	cagagtcaga	agaggagagc	tccgagatgg	atgatgagga	ctatgagcga	360
cgcgcancn	agtgtttcag	tnagatgctg	gacctggaga	agcagttctc	ggaagctaaa	420
nggagaagtt	gttcaaggga	acgacttgan	tcanctgccg	gnttgccgct	tgggaaggaaa	480
ntgggggggc	ttgaanaaga	agcccttgga	atnccaccgg	aagccccctt	ttgggggggg	540
gccttgcaaa	cgggaancc	ctttnaaagg	aatttcngcc	antttcaang	gttgggcca	600
ggggaatcnt	accnaagggg	ccttctnagg	cttggnatgg	tgaatccang	gnaaattaag	660
gtncccaatt	gntgaancct	tccaanggga	ancccaaac	agcacccttg	naanaagttg	720
agaaaacttg	cttgcntctt	ntgacacccc	tncnaggggg	aacttcaagg	aaccggttcc	780
tnaggcttgg	aaggaggacc	cccananccc	tggancctaa	attnttaaat	gggtnggacc	840
accn						844

<210> 3216

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (753)

<223> n = A,T,C or G

<400> 3216

gtntngnnng	nngttnnatt	atatggntcg	nctnnctcna	nnancnangc	ttngtctgac	60
aacttgattg	ggttctcctt	caggtttgaa	gcgccctcna	gaagtgtcta	aaggagacag	120
ttgatagcca	aacaacagtt	ttggattcac	tgactgatta	tgaaagaagc	agtagactgg	180
tatcaagaat	cagtcagcaa	ggaggccctc	accagacgcc	agtgccatgt	tcttggactt	240
ctcagcctcc	atattcatga	actaagtttt	tggatccctt	aggcttccac	gtgtggaaag	300
cctgagctaa	cctactggag	gatgagccat	cacctggagc	agattcaggc	catcctagtt	360
gaagcctccc	taggccaagc	aaccgtccaa	ctaccagaca	ttgaccattc	agccttgaac	420
attcagcaca	aagacaaaac	agaccagacc	agaagagtcc	cacagaatag	gggaaactat	480
tcagagaaaa	cttaagccac	taagttttat	ggtgttttgt	tcttgtagcc	agaagcatag	540
gcatactggc	caatacaaac	cgaaatccct	ctaacgtant	ggaccctttt	caggccagca	600
ttttttccct	tgaaaacctg	ggagccttgt	attccatcct	attagcagaa	gatcactttc	660
accaatggtt	tgggctcttg	atttggatt	gatgatgtaa	tgagcctnta	ttcnaatgn	720
gacttaatac	ctctgcgaat	tgactggatt	ccn			753

<210> 3217

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 3217

ttggantctt	ctcngaaacn	cttngcnatt	gcncntctg	naggatccca	tcgattcgaa	60
ttcggcacga	ggttcttcaa	agccaaccaa	gacaggettn	tnagtttttag	agcttcagaa	120
caaattgcc	aaagccagag	ttgtttatgc	tagtgcaact	ggtgcttctg	aaccacgcaa	180
catggcctat	atgaaccgtc	ttggcatatg	gggtgagggt	actccattta	gagaattcag	240
tgattttatt	caagcagtag	aacggagagg	agttggtgcc	atggaaatag	ttgctatgga	300
tatgaagctt	agaggaatgt	acattgctcg	acaactgagc	tttactggag	tgaccttcaa	360
aattgaggaa	gttcttcttt	ctcagagcta	cgttaaaatg	tataacaaag	ctgtcaagct	420
gtgggtcatt	gccagagagc	ggtttcagca	agctgcagat	ctgattgatg	ctgagcaacg	480
aatgaagaag	tccatgtggg	gtcagttctg	gtctgctcac	cagaggttct	tcaaatctta	540
tgcatagcaa	tccaaagtta	aaagggtttg	tgccactagc	tcgagaggaa	atcaangaat	600
ggaaaaatgt	gttgtaattg	gtctgcantc	tacaaggaga	agctangaac	atttagaaag	660
ctttggaaag	aaggccggng	ggagaaattg	aatgattttt	ggtttcaact	nccaaaaggt	720
gtgttgcnct	cccttctttg	aaaaaacatt	ttct			754

<210> 3218

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 3218

tggtgcccgt	tcttantctg	ngctctcgtc	ttcttctta	tacctgggca	ncncttgccg	60
gccccnaggn	tcccangnag	ccnngcngng	ncngattcgg	cacgagattc	caaaggtttc	120
aaagaacttg	gtcataaata	tgataatgag	aagacaaagt	atztatatta	aaacagttta	180
gtagccttca	gttttgtgaa	aatagttttc	agcacagaaa	ctgacttctt	tagacaaagt	240
tttaaccaat	gatggtgttt	gcttctagga	tatacacttt	aaaagaactc	actgtcccg	300

tggtggtcat	tgatggcctt	tagtaaattg	gagctgctta	atcatattga	tatctaattt	360
cttttaacca	caatgaattg	tccttaatta	ccaacagtga	agcactacag	gaggcaactg	420
tggcattgct	tccttaacca	gctcatgggt	tgtgaatggt	ataaaattgt	cactcagata	480
tattttttta	atgtaatggt	atataagatg	atcatgtgat	gtgtccaaac	tatggtgaaa	540
agtgccagtg	gtagtaactg	tgtaaagttt	ctaattcaca	acnttaattc	ctttaaaatn	600
cacanccttc	tgcctctgna	tttggaagtt	gtcagtncaa	ctcatcaaag	aaaactgcct	660
aatntnaaaa	tcatattntg	ggaataattt	ccctcttttg	tagtctgccc	aagatcctta	720
aagattggat	ttttattact	atttaaacca	gtggattaat	n		761

<210> 3219

<211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (813)

<223> n = A,T,C or G

<400> 3219

caaaancctt	tttgnaannn	ncennagnnn	tttnatnncc	tnnttgcaaa	tngcttggt	60
actcgttctt	tctgcaggat	cccatcgatt	cggaattata	gtattgacgt	gaatcccact	120
gtggtataga	ttccataata	tgcctgaata	ttatgatata	gccatttaat	aacattgatt	180
tcattctgtt	taatgaattt	ggaaatatgc	actgaaagaa	atgcggccca	tttagaatag	240
ctcgtgttat	ggaaaaaagt	gcactgaatt	tattagacaa	acttacgaat	gcttaacttc	300
tttacacagc	ataggtgaaa	atcatatttg	ggctattgta	tactatgaac	aatttgtaaa	360
tgtcttaatt	tgatgtaaat	aactctgaaa	caagagaaaa	ggtttttaac	ttagagtagc	420
cctaaaatat	ggatgtgctt	atataatcgc	ttagttttgg	aactgtatct	gagtaacaga	480
ggacagctgt	ttttaaccct	cttctgcaag	tttggtgacc	tacatgggct	aatatggata	540
ctaaaaatac	tacattgatc	taagaagaaa	ctagccttgt	ggagtatata	gatgcttttc	600
attatacaca	ccaaaaatcc	ctganggaca	tttnnangca	tgaatattaa	acatttttta	660
tttcaagtaa	ccttttcccc	ctgtgtaaag	ttactatggg	ttggtggnac	naactttcat	720
tctatagnat	attaagtggg	aaagtngggg	gaaattctac	nttttatggg	tnggagtggt	780
cccaatgtct	atcaaggagt	gnacaaatta	ann			813

<210> 3220

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (776)

<223> n = A,T,C or G

<400> 3220

taatgctggg	tactgccctt	caaatccttg	caatcccttg	gnaancggnc	cngcngaccc	60
atcgattcga	attcggcacg	aggttatatt	aaattattct	ttgntnttct	ttgtctttta	120
ataaagcctg	caagttacta	aattgnagtt	ncataaatcc	tgtagtnaag	tatcatcttg	180
gcagngtgcc	aaagtgtaaa	angntgcttn	ctctaacaga	gaaattccta	gngactccag	240
tcgtanaaaa	acgtctttac	aacctgaata	agatnganga	attgngaaca	taccatggcc	300
tattggatga	atcatttgcc	ggnggctana	ncagactgta	gggtttgtga	tggatntatg	360
gagtatgtgg	gtatagaaat	catgaatntn	ccatttgnnn	ncagagattc	aagcntanac	420
ttaatgggta	gatcataaat	gacagaatga	attcaaaacc	tagcacgtgc	attgtaaatg	480
tgtgcccaga	tatgtnttgg	aaatggcagn	tccttggggt	catgtntcta	ctggcaaaat	540
ttgctatagn	gnnactattg	nantgtaatt	ataaaattna	tcannattat	ncaccgattn	600

gccaaagtaaa	ctgtactgtn	cataggaatt	ttgggaattg	tgcanaaatt	ggatcaattg	660
aanttnagaa	cngatgtctg	ggcttaaaaa	tttatcnggg	accacnnatt	angaaactna	720
catntttcgg	ngctgaggtt	cattgnccaa	ggccangaag	gtntttnccg	aaaanc	776

<210> 3221

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (715)

<223> n = A,T,C or G

<400> 3221

ctgctgtcaa	ggcttgaaga	gccggcacac	tcaatggcaa	acacangcac	cgagtctgct	60
ctgaatcctg	gaggatctgg	ccctcctctc	aacccccact	cacagtcacc	gtcttacaac	120
tcagggccac	ctgggatcag	tcatcagtc	gggtgcgtaa	gccttgaata	ccaggtagcc	180
tcaggagtga	aaagataaat	gtcctagatc	attaccttat	tcagtgtccc	caccttgagc	240
cgcattccaa	ccacctggga	gcatttataa	ctccagatgc	ccacaccaca	ccctggggcc	300
acccatcaga	ccttctggaa	gcaagacctg	ggcctccatg	gccccaaaaa	ctccctaggt	360
gatccgatgt	gcagccaaat	ctgagaggcc	ccatttnaaa	aaganagaac	atgggtggta	420
cattgaggag	tatttacatt	ttataaaatg	acttaaaaaa	ttnaaggcat	tttttgagca	480
tttncaatta	tatggaagna	gttactttta	cggaatagtt	nttgctcatg	gaactcanaa	540
cagatgaagc	accactgtta	cagaattaat	gtgctccaga	atgaaaatgg	tctcgtttct	600
ngtgaatttc	aatggaagaa	gcncnacatt	tcctnaagaa	ttcttttgag	cccagtaatt	660
cantcctggc	tcaaaaaaan	gntnnttngg	cattttccta	acatctggac	caaag	715

<210> 3222

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (715)

<223> n = A,T,C or G

<400> 3222

ctgctgtcaa	ggcttgaaga	gccggcacac	tcaatggcaa	acacangcac	cgagtctgct	60
ctgaatcctg	gaggatctgg	ccctcctctc	aacccccact	cacagtcacc	gtcttacaac	120
tcagggccac	ctgggatcag	tcatcagtc	gggtgcgtaa	gccttgaata	ccaggtagcc	180
tcaggagtga	aaagataaat	gtcctagatc	attaccttat	tcagtgtccc	caccttgagc	240
cgcattccaa	ccacctggga	gcatttataa	ctccagatgc	ccacaccaca	ccctggggcc	300
acccatcaga	ccttctggaa	gcaagacctg	ggcctccatg	gccccaaaaa	ctccctaggt	360
gatccgatgt	gcagccaaat	ctgagaggcc	ccatttnaaa	aaganagaac	atgggtggta	420
cattgaggag	tatttacatt	ttataaaatg	acttaaaaaa	ttnaaggcat	tttttgagca	480
tttncaatta	tatggaagna	gttactttta	cggaatagtt	nttgctcatg	gaactcanaa	540
cagatgaagc	accactgtta	cagaattaat	gtgctccaga	atgaaaatgg	tctcgtttct	600
ngtgaatttc	aatggaagaa	gcncnacatt	tcctnaagaa	ttcttttgag	cccagtaatt	660
cantcctggc	tcaaaaaaan	gntnnttngg	cattttccta	acatctggac	caaag	715

<210> 3223

<211> 786

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (786)
 <223> n = A,T,C or G

<400> 3223

ttgtgaancc	cttttganac	ccntttgcta	cttgctcttt	ttgntggatc	ccatcgattc	60
gaacgttccc	ccgctacata	gtctttcttt	tgtgttattt	agttttaccat	ttcttttttc	120
catcttggtta	taacctccac	gagttgtgtc	tcttttggtt	tctacattat	acccaacggc	180
tagcacataa	caggcaccca	atatatactg	aacgaactaa	ggaatgaatg	aaggaatgaa	240
tgaataggtg	gcttatagga	aacccctggg	gccagggact	ctgcaacatc	accatgtaac	300
tttttctttg	tgctgagaag	cagagagaaa	caatagaaga	tatctcttaa	tctctcaagg	360
atgctactcc	caggactgct	tgcaatttcc	gaggagataa	gccacaagtt	acagaaagga	420
agcagctgtg	tagggcctgc	aagtttcctg	ctgcaagtca	ccctatgttc	agaagttacc	480
ctggctgggc	caggcatggt	ggctcacgcc	tgtaatccca	cactctgggg	aggctgangc	540
aagtggattg	cttgagtcca	ggagttttga	gaccagcctg	ggcaacatgg	agaaacccca	600
tctatcaaaa	aaattanctg	ggtgtggtgg	catgaagcct	gtaataacca	gcttccttgg	660
gnaaggctta	angtgggnag	aaatnaccct	gancccccang	ggggtcaaag	gctgntnntt	720
aagccaagat	cacngccnac	tggaccttna	agccctnngg	caaaccnna	attnagancc	780
ctntct						786

<210> 3224
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (769)
 <223> n = A,T,C or G

<400> 3224

ggatcttttta	tncctttgna	atcccctnnc	tttggcnaat	cgcccgaatt	cggcacgaga	60
ggtggagaac	attatgctgg	agagagnttt	tnaagaaagg	gagatgttgg	aaacttcnca	120
agctgtgtgt	ctgtttctgc	cccaaccgat	gggtgcctgga	cctgactata	attccctacc	180
aagtgcctac	agccccagcc	cagtggaaac	accaagcaag	gacttctgta	attntttgcc	240
cacctgcctt	gatttaacca	tgcagtattc	agggctctggg	aatatggaac	taatttcttc	300
taatgtcagc	gtggccacaa	cttatagaca	gtatcccttg	tcctcaagat	ttttaagttt	360
ggcccaagtg	tgccccatt	agcgacaccc	tcctctacca	gcaatgcctg	ctaaatgcca	420
ccacctcagt	tcaagccctg	aagcctgggg	ccagctggga	cttgaaggga	gcacgagtcc	480
aggatggact	cagtgcatag	caggacatga	tgccatnnaa	attggaaggt	tccttggtgc	540
tgcctcacac	ttcctgagat	ccagaccacn	agaaagtgac	cttcanggtc	atcangctgt	600
cccagagagg	tccgcgttnt	tccnaccctg	accgggaatt	tctcttccca	ttgttgacac	660
cngacttccn	tggcancttc	aaaggggcat	tntcttaacc	gaagattcan	nnaaanctaa	720
acaccanngc	acccctttgg	cnacttaanc	cattaaatcc	aattccnnc		769

<210> 3225
 <211> 915
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (915)
 <223> n = A,T,C or G

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<400> 3225
gnggaggggn ggggaagnggg gngcagnnnn ncnaaaacnn nngcacanca ancncnnang      60
aacncnnnca gnnncncnncg nanacancaa ngngnaaccc tttcaaancg cttggcaaatt      120
cgcncncgct gnaggaccca cganncgcac ccagccnct cctccaacgc cctnnngatc      180
caagatngag taagagacat nggcagatgc ngagaaggnc aacccaatng tnnnaacttg      240
cagaccgagg gggagatggg ntncagtctg cacatgactc gagcacagnc cccccacccc      300
accengactt anaaaatcca aaccgactac aagaccagaa acaaaccaca tgccagtgcg      360
ccccttgact gtacacacat gnggagnnca gagccaccca tngagagagg ctgctcagct      420
cagcaccctg ngcanggctt cctagaacta ncncagancg ggggannccn tancccgat      480
tcngggcnag tgacnacagg atgcacgnag tgaaacccan gggttagggg agaggaccca      540
ccctggnaaa aagccacgta aaatggnacn ancnnntccan ggcanccang gncnactac      600
antcncnagc acctccgngn cncaancegn antcnnagaa aanngnntan nncncangag      660
nnncccggan nncngnaatg gccagnnaag ctgnnncccn cnggaacnag nnaacgnnnn      720
ggcntatcca nngtcgacnc ctncnggnc gccanctccc aaangncncg aacgaggcnn      780
ngncagaana nctctgttaa aagaacaccg ancaggcnaa ggcncccact tganannct      840
cnaggnancc gggngggaga aanctnanaa ngantatnan actnggnaac nnnnanagcc      900
tctaaaaaaa aaccg                                     915

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<210> 3226

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

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<400> 3226
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aatccggcac gaggcaagg tgtgacattg tcactttttt gttctagact cttttaaatt      120
ttctgcattt gcctgaaaag caccctgtta agaatagatt tctcatggct ctaaaaatta      180
ttccaagaa tncntactt ggttcaaaag cagactgttt ctcttcattt catctcaaatt      240
cagacttctg ggcaagatgt tcttttagagt aagcaaacct acaacctaaa aatctcttca      300
agaggcactt ctgggtcttgt gacaagacct cttcaaaaac ccacagttaa actccctctc      360
ctccagttgg ccaccagtct gccaccaaac atgaacaaat tctgctgcta atcggtttcc      420
cttgtgatct ggttcctgag gtcttcggat ctgtgcaatg aattatttat tgnnttatta      480
aacgacagt ggtgtcccag agaggaacca taaataaaat ggaaatctgg tgctgtgata      540
aagtaataac tagcattaat gagacctggg tttcctttca gaaagtccag tatacctgta      600
acaaaggtta aagcaattta tatttaattt gcattctgat gttaacattt aaacagcaat      660
tctnacaaaa aatgcacga gtctaattct tacctctatc aaaaaacaac tgnntaaatt      720
tatgaccaac atttaaacna aaaccaaaat ggaaaatttt ctttttnnn      769

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<210> 3227

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (778)

<223> n = A,T,C or G

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<400> 3227
atcnatcctt ttctttatag cttngttntc ngttctntct gcaggatccc atcgattcgt      60
tagtgtactg gatgtcaggc ccctcaaaga ttccttggac cattttcatg tgaatgaaga      120

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agaaatcaat tgtctttcat tgaatcaaac ggaaaacctg ctggcttctg ctgacgactc 180
tggggcaatc aaaatcctag acttggaata caagaaagt atcagatcct tgaagagaca 240
ttccaatata tgctcctcag tggcttttctg gcctcagagg cctcagagcc tgggtgcatg 300
tggaactggat atgcagggtga tgctgtggag tcttcaaaaa gcccgaccac tctggattac 360
aaatttacag gaggatgaaa cagaagaaat ggaaggccca cagtcacctg gtcagctctt 420
aaacctgcc ctagccatt ctatctctgt ggcttcgtgt ggtaatat ttagttgtgg 480
tgcacaagat ggtaagggtc gaatctttcg ggtgatggga gttaagtgtg aacaggaact 540
gggatttaag ggccacactt cangggatc ccaagtctgc tttctnccag aatcctattt 600
gctgcttact ggangaagt atgggaagt cactgtgtgg gatgcaaca gtgaaanttg 660
agaaaaaac cagaagaagt nccacaaaaa ccgtacccn caggaaggaa aaccctaaaa 720
ananggaacc ttgcaccna nccnggntn ggaaaatacc taaccnttt nntnaccc 778

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<210> 3228

<211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (813)

<223> n = A,T,C or G

<400> 3228

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caaaaacct tttgnaannn nccnnagann tttnatncc tnnrtgcaaa tngcttggtc 60
actcgttctt tctgcaggat cccatcgatt cggaattata gtattgacgt gaatccact 120
gtggtataga ttccataata tgcttgaata ttatgatata gccatttaac aacattgatt 180
tcattctgtt taatgaattt ggaaatatgc actgaaagaa atgcggccca tttagaatag 240
ctcgtgttat ggaaaaaagt gcactgaatt tattagacaa acttacgaat gcttaacttc 300
tttacacagc ataggtgaaa atcatatttg ggctattgta tactatgaac aatttgtaaa 360
tgtcttaatt tgatgtaaat aactctgaaa caagagaaaa ggtttttaac ttagagtagc 420
cctaaaaat ggatgtgctt atataatcgc ttagttttgg aactgtatct gagtaacaga 480
ggacagctgt ttttaacctt cttctgcaag tttgttgacc tacatgggct aatatggata 540
ctaaaaatac tacattgatc taagaagaaa ctagccttgt ggagtatata gatgcttttc 600
attatacaca ccaaaaatcc ctganggaca ttttnangca tgaatattaa acatttttta 660
tttcaagtaa ccttttcccc ctgtgtaaaag ttactatggg ttggtgggac aaacttccat 720
tctatagnat attaagtggg aaagtngggg gaaattctac nttttatggg tnggagtggg 780
cccaatgtct atcaaggagt gnacaaatta ann 813

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<210> 3229

<211> 818

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (818)

<223> n = A,T,C or G

<400> 3229

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gnnnnnntt nnnntttgc aaatncctn gnnaannncc nagnnnnttn annctntntt 60
tcnaatnctn ggctactngt tctttttgca ggatcccatc gattcgaatt cggcacgaga 120
gnaatcaata tcttgaaaat ggccatactg cccaaagtaa tttgtagggt cagtgcata 180
cccatcaaac tatcattgac tttcttcaca gaattagaaa aaactacttt aaatttcatt 240
tggaaccnaa aaaagagccc atatagccaa gacaatccta agcaaaaaga acaaattttg 300
aggcatcatg ctacctgact tcaaaatata ctacaaggct acagtaatga aaacagcatg 360
gtactggtac caaaagagat atatagacca atgaaacaga acagaggcct cagaaataat 420

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gccatacatc	tacaccatct	gatctttgac	aaacctgaca	aaaggaatgg	ggaaaggatt	480
ccctatttaa	taaatggtgt	tgggaaaact	ggctagcctt	atgcaggaaa	ctgaaactgg	540
accccttcct	tacactttat	acaaaaatta	actcgattca	ttaaagactt	aaaagtaagt	600
tctcaatgta	taaaaaccct	ggatgaaaac	ctaggcagtc	cattcaggac	atagcatggg	660
caaatacttc	atgactaaaa	cacccaaagc	aatgtcaacc	aaaagccaaa	attgacaaat	720
gggatctaac	ctaaactaaa	aaacttgggt	tgcagtttta	ttttgggant	gtgtgtgggg	780
gtacctctga	gttttcaaaa	aatgaagaaa	gtaagtcc			818

<210> 3230

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 3230

gnttgaannc	ccttngnntt	caaatngatt	gttactngcc	ttntgcagga	tccctcgatt	60
cgaattcggc	acgaggatag	cttaaagcaa	gtttacaagt	aattaaaatg	gacagtttgc	120
cattaaagat	ttttaatagt	ggttttgcag	tgtactggct	tgaattttct	ggacttgagt	180
taactgaagg	agagcctcaa	acnntagtaa	cttcattttt	aaaagttact	agaatttggt	240
atcctgattt	atattgcagt	gtttcaaagg	tgtcactgtc	agacaaatag	aaacactgcc	300
aacttggtgt	aacttaagct	ttcatttaac	taaaacattc	ttttcttgca	aaacttattt	360
ttcatgatca	tttttggtta	tttattatac	ttgattccaa	aatagtacag	ccttgaatct	420
ataaaactgt	gcagtcatta	tgccagaaat	tatcttaa	atataatggg	tcaccttgct	480
gttcaaaggg	tggtgcaagg	tcctgcagca	tcttacatct	gtagcttggt	agaaatgtaa	540
actctcaggc	cccacaactt	acttctctgca	ttttaacaag	atccccaagg	gatatgtatg	600
ctcataaaaa	attttgagac	actggtttaa	atggaaaatg	gatataaggn	atgtataact	660
ggggggtggg	gtgagggtag	gaaggcattt	accaactnag	attttattta	tttttgaaat	720
taatcaattg	gnttaaatcc	taatttattt	acccaaatag	gggtctttta	aaaaaatatt	780
ttttattcc						789

<210> 3231

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 3231

gnttgaannc	ccttngnntt	caaatngatt	gttactngcc	ttntgcagga	tccctcgatt	60
cgaattcggc	acgaggatag	cttaaagcaa	gtttacaagt	aattaaaatg	gacagtttgc	120
cattaaagat	ttttaatagt	ggttttgcag	tgtactggct	tgaattttct	ggacttgagt	180
taactgaagg	agagcctcaa	acnntagtaa	cttcattttt	aaaagttact	agaatttggt	240
atcctgattt	atattgcagt	gtttcaaagg	tgtcactgtc	agacaaatag	aaacactgcc	300
aacttggtgt	aacttaagct	ttcatttaac	taaaacattc	ttttcttgca	aaacttattt	360
ttcatgatca	tttttggtta	tttattatac	ttgattccaa	aatagtacag	ccttgaatct	420
ataaaactgt	gcagtcatta	tgccagaaat	tatcttaa	atataatggg	tcaccttgct	480
gttcaaaggg	tggtgcaagg	tcctgcagca	tcttacatct	gtagcttggt	agaaatgtaa	540
actctcaggc	cccacaactt	acttctctgca	ttttaacaag	atccccaagg	gatatgtatg	600
ctcataaaaa	attttgagac	actggtttaa	atggaaaatg	gatataaggn	atgtataact	660

ggggggtggg	gtgagggtag	gaaggcattt	accaactnag	attttattta	tttttgaaat	720
taatcaattg	gnttaaacc	taatttattt	acccaaatag	gggtctttta	aaaaaatatt	780
ttttattcc						789

<210> 3232

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (766)

<223> n = A,T,C or G

<400> 3232

ggnnttnaan	nngctctact	gaatgccttt	ggaaaggccc	ccatcgtttc	gaatnccgca	60
cgagcttttag	ttcagataaa	ggaaacatcc	aaaaatactg	agattagtaa	aattttattc	120
aaagtaggtt	ccngctttgt	cttgatctca	atccattcta	actcctgatg	tcatttaccg	180
tgtgagatct	tanncacaat	catgaaaaga	atatgagcat	ttatcaaaac	tctctgacat	240
ctgtatgttt	agaaatgaac	ttacacagca	aaatatgatt	tccttgcact	tatttaattt	300
ttctaacttc	aatttctacc	tatgtgtctc	tgccagtttg	acctgattca	gacaccaga	360
acttgaataa	agaagccctc	ttctattttc	attcttaatg	aatataacct	ttcccatgtc	420
cacattgagc	ctcccttctg	ngtactctgt	ctaattgcagc	cacatgtcta	gttccccctc	480
tctgtcacca	ccctcacttc	ttctttccca	tcttcttaact	tctttggtgt	gacctcttgt	540
aggacaacat	gccatttctg	attcccaca	cacataacct	atcattgata	cctaccctca	600
ggattagatt	ctgtctaagt	aattttaga	gccatcaggc	ttnantaagt	attgggactg	660
caagtcaaca	cccattatct	catcaaaang	ggatgctgtg	ttggggccag	anggagaaan	720
gagagagaga	gactnanaga	gagangnccn	ganagagagn	aagacn		766

<210> 3233

<211> 831

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (831)

<223> n = A,T,C or G

<400> 3233

gaancccttg	gntttganc	catttttaat	nccttggntt	gnnccctega	ttcgnnccgg	60
cncnaggctc	ngtacagatg	nntcttatcc	tgacntnacg	aangncttaa	ctgncnnntn	120
tatggtgacn	gtnnntgagg	cngnatgncn	nggancanan	nctnaantcg	aaaggnaacct	180
agtgcagann	gctnccgnnt	ccctntgcaa	actggatacg	gtannngaan	agggagcctc	240
tgtgataaac	gagacgagga	ggaactcncn	gacatatgag	ctcaccacca	cactaaagg	300
actgtgcatg	nctgctgacn	gggttcnata	gcgctcaang	accagnatng	acnnggacga	360
tgagttaatg	ggnactaggg	cncaantgtg	cgatcanaga	annttcncna	agctcngcnc	420
atccttggan	aacnntttgc	tttanaacan	cnnccctnng	tgntacnca	cancctatgc	480
nacagactmn	atnacctgaa	caanggttta	ctcaagnnag	acngnnnncc	tacgnncanc	540
ttagnnncca	gggaaccnnt	ntgncnttac	aangtngntn	nangtectna	gntgagcata	600
cnaccagant	ggganctnct	gacnagtctc	ctncanactn	gtcncngag	tgggaacggc	660
caagatnaac	ccnnngccaa	aactntttac	gacnttggnc	nnttcaaaga	tcaagggggg	720
natttaanaa	ctngaanctt	ntannccnnt	tcnnaanntn	cttttgngga	cnttagnana	780
nggngtganc	ccgggcnatn	tntcaaaaat	ccttnttant	tcaccnntgc	c	831

<210> 3234

<211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(772)
 <223> n = A,T,C or G

<400> 3234
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 atcgattcgc agaggctttg ctagtatcct tcaaccaatt tctagtaaaa ataccctata 120
 taaccataat tatcaaaacc agaaaaacaa cattggtagg atactataaa gtactaatct 180
 tattttggat ttgacgaatt cctacatggt tntttctttt ttagtttgta ctctaagaag 240
 ttgtattaca tgtacagatt cgtgtaacca ctgcaaccac ataaaactaa tgaacacaaa 300
 gtccctcatg ctaccttttt atgcttacac tccatccaaa cctaactctg ccaaccactt 360
 ttctcctatc agtataatct catcatttca tgaatatgat aaaaataaaa ttgtttttgt 420
 aaatggtttt tataaatttt atataaataa gttatatgaa tttttattga tagagagtat 480
 gtaagctttt ggcattttttg tcactcagca aattactcct aaggtttata tgagttgatg 540
 aatagttgnt ttattatttt tttttaccac catgtatcta accagatgaa agttgtttat 600
 atttgagagt agtatacata tttgatgtag tagtttatcc atttcaccta tgagatatat 660
 ttgcaactgt tttcctgggt ttaagtgtcn taaataaaga tgctgtgaaa tctaaaaaaa 720
 naaanaannn nnnnnntnnn nnannntngn natatnataa nnnnnnnccn nn 772

<210> 3235
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(790)
 <223> n = A,T,C or G

<400> 3235
 tccaaaatnc ccttggantn attccccctt ncaatacctt tecttngnac actccnngtt 60
 tngntngatc ccatcgattc gaattcggca cgaggnaaca aagaaggaa gtcttcctca 120
 tgtttnggtc tatagaagac gttaaagaaa actccagaa agtgggtttg aggcattgagc 180
 caccacgcct ggccaaagga tttaatgaat taatggatgt acagtgtctg ggctgttatt 240
 ctaggggcct cattgagact cacattttgc catcaaaagc cttttaagag gtggagggttg 300
 cggtagctg acatgggtgcc actgcactcc ggctgagtg acagagttag actctgtctc 360
 acaaaaaaaaa taatgccctt taaataatga ataatagtga tagaaaatgt catttcttgg 420
 acaaatgaaa aattgaaatt aatgtatata attagatatt attagctact cttaggtagc 480
 ttcatttgtt gaaagtgtga caagtgaatg aagttcacat ctggaaatcg ttgaacattt 540
 ttcgttcatt gaactcaatg gctacgttag tcgtttatgc ttttactgt tgtggtaggg 600
 gctttggaaa gtnaatgcca tcaacaatgg atacagaang acctggattt ggaataaggg 660
 caaaaattta ttttgatggg gctgaattgc tctgccaggg agcatttttg gtattgagat 720
 gaaaatggcc tctcttttag actgagctgc cacctggcaa attattgnct gcttaanggt 780
 tctctttatn 790

<210> 3236
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(781)
 <223> n = A,T,C or G

<400> 3236
 aancctcttt tnnangcgnt tccntncanc tnaaancgnt tgnaactcnc nctntctgca 60
 ggatcccatc gattcgctaa caagcgattc taaaccacct atgagtattt ctttttagggc 120
 tcactttaaat acatgtttgt atatactgta ttctagccag aataatttta gatctgatca 180
 ggtagtagct aaaattagaa aaaaacaaaa tagatgctta aagaatttgc atccattttt 240
 gagtctaaat ctttttaaat atactgagat ccacatctag tgaaatgtca gtgtcaaat 300
 attatagatt atagctaaaa tccagattaa tactcatttg gggtttttta tagtggaact 360
 tcatagtaat acaaaaagca gattgtcttc ctgtctccgc tgctcccaaca gtaggtattg 420
 aaactggtaa aatcagtttt ttgatantgt gtgtatataa gaaaaaatag atacacacat 480
 tcttttttct cagtcaacac attgattgaa cactctggca aagatgctgt ggtggatgan 540
 gttggagtgc gaaagaagaa gcaagcgctn gcctgccttg aaagaaccga agtctttccc 600
 attcacttct ctgaaaaagct gccaaagacag aagcagaaag aaatgggatg atagttctgt 660
 caaagcacac ttctggntct ttagaacctt agaagtgnnt ctaagagaac agaagttatt 720
 aagaagaaac nagntacgtg tgggaattca acaaccttng ggtnggaacc cattggcttn 780
 t 781

<210> 3237
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(764)
 <223> n = A,T,C or G

<400> 3237
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 gaattcggca cgagccaaaa tgggtgggg cgcagtggtc tcacgcctgt aatcccagca 120
 ctttgggagg ccgaggtggg cggatcacga ggtagggaga tcaagaccat cctggctaac 180
 acggtgaaac ccgtctctta ctaaaaatac aaaaaaasaa aaaaaaabaac tagccaggca 240
 tgggtggcagg cactgttagt cccagctact cgggaggcag aggcaggaga atggcgtgaa 300
 cctgggagggt ggagcttgca gtgagccaag atcgtgccac tgcaactccag cctgggtgac 360
 agagtggagac ttctgtctcaa aaaaaaaaag aaataggca caataagtaa tacatttctg 420
 cccaagtaag agccttccct tttgtggatg taatgaaaat atcttcaagc actttataaa 480
 tnaattatat gtctgatact agccttccat tgcttggtac acatctgatt gtcctggtaa 540
 tttnagaaaa gggtagcccc ttggtatgga tagtagcttg atgacatgga attcagggaa 600
 aagactatga tgggtgtcact tgtaactgct tttgtgctgt aaaattgtca tngattaaag 660
 aanaanaatt ngcttggntg cngtggctta cactntaat cctancactt ttnggaagcc 720
 aaataangga cttgnttggg nccangantt tcangaacaa cctg 764

<210> 3238
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(764)
 <223> n = A,T,C or G

<400> 3238

gtntttnntt	tctttcta	agcttggata	ctcgttcttt	ntgcaggatc	ccatcgattc	60
gaattcggca	cgagccaaaa	tgggggtggg	ccgcagtggc	tcacgcctgt	aatcccagca	120
ctttgggagg	ccgaggtggg	cggatcacga	ggtagggaga	tcaagaccat	cctggctaac	180
acggtgaaac	cccgtctcta	ctaaaaatac	aaaaaaaaaa	caaaaaaac	tagccaggca	240
tgggtgcagg	cacctgtagt	cccagctact	cgggaggcag	aggcaggaga	atggcgtgaa	300
cctgggaggt	ggagcttgca	gtgagccaag	atcgtgccac	tgcactccag	cctgggtgac	360
agagtgaac	ttcgtctcaa	aaaaaaaaag	aaaataggca	caataagtaa	tacatttctg	420
cccaagtaag	agccttcctt	tttgtggatg	taatgaaaat	atcttcaagc	actttataaa	480
tnaattatat	gtctgatact	agccttccat	tgcctggatc	acatctgatt	gtcctggtaa	540
tttnagaaaa	gggtagcccc	ttggtatgga	tagtagcttg	atgacatgga	attcagggaa	600
aagactatga	tgggtgcact	tgtaactgct	tttgtgctgt	aaaattgtca	tngattaaag	660
aanaanaatt	ngcttggntg	cngtggctta	cacctntaat	cctancactt	ttnggaagcc	720
aaataangga	cttgnttggg	nccangantt	tcangaacaa	cctg		764

<210> 3239

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 3239

atggctttgg	nnagntccnn	ntctttcaaa	tncttggcta	ctcgnctctt	ntgcaggacc	60
catcgattcg	aattgttaact	tattccagga	taaatgtcat	atgcatatga	ttttcatatg	120
actttgatga	gtatcttcag	ggaaaattcc	taaaaatgaa	attgctggat	taaggggtaa	180
atgcatgtat	agttttgtta	gacagggcca	catacccttc	cttagaggta	gtaccctttt	240
gtattcctgc	cagtaataata	tgagagtcca	cagagtatgt	ggttaagctt	tagaatgctt	300
gtccatctga	tagggaagaa	atcgtgttgc	cttaatttgc	ccttctttta	ttatgaatca	360
gatttttaate	ttttgcctct	agaactatag	tgagtctgat	tacgtagatc	cagacatgat	420
aagatacatt	gatgagtttg	gacaaaccac	aactagaatg	cagtgaaaaa	aatgctttat	480
ttgtgaaatt	tgtgatgcta	ttgctttatt	tgtaaccatt	ataagctgca	ataaacaagt	540
tacccacaac	aattgcattc	attttatggt	tcangttcac	ggggaggtgt	gggaggttat	600
tttaattcnc	ggccgcggcg	ccaatgcatt	ggggcccggg	cccanccttt	gttcccttta	660
tgaggggtta	attgcgcgct	tggcgtaate	atggtcataa	ctgattcctg	ggtgaaattg	720
tatcccgcctc	acaattcccc	accaacatcc	anncccggga	gcataaaa		768

<210> 3240

<211> 957

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(957)

<223> n = A,T,C or G

<400> 3240

annggagacn	nnngngnann	gnnggggnnn	acnnngaaan	ncnnananan	acacannann	60
nannnnngag	gggcaacaaa	cncnnatttt	cgaaaanccc	ttttggnggt	gaccccnttc	120
naacacttgc	ttntcgccct	ntgcaggatc	ccancgnann	cgaaggnggc	ncgaaagcac	180
ggngtccena	nnngatgngn	aaanatgacc	gataaacttc	ngggncngat	aatgaanggc	240
actatnggnc	atactgatgc	tgntcatggt	gcntaccan	agacngaaac	tggaaaaggc	300
tctgcagngt	ctgggatacg	ctcagtgtgt	cangggaggg	caggngtgag	gggaatggcc	360

ccgganggtg	atggggcnng	ngcatccgat	gcagcnntat	agctctgnaa	ttaccacttn	420
caaacttntn	attacgaaaa	atgtcaagga	cccnngaatn	acaagnagg	naggcaggat	480
aatggcccc	aanatgccc	tgttgagacc	cccanacctt	gagagtgcct	cacatgggga	540
agactgtcct	acgtcancnt	gcacgccc	ggcagcccca	ngggccctta	aagcttgaga	600
gccttncctg	ctgagacnga	ganatgccag	aagcaaggag	aggcnagaac	ccgaggagg	660
cccgcancct	gcccnngnatg	gcccttagaa	ggaagggccc	naannagcgt	ggtggcccn	720
ctaaagcaan	ctgngngacc	nggggggacc	ctnangtacc	caangcccct	gcaaagcaaa	780
acccngaaat	ttccnggcca	aaccanacac	cccccaangga	atgngaangg	aaannngaa	840
aaggnaacnc	cctngaccnn	tgggccaata	accccttgga	acccccctga	aaccttcnac	900
cnaaaatngn	gtnaaaancnc	ccgcganngn	gacttnagtg	ngcaagcaca	cancccc	957

<210> 3241
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (789)
 <223> n = A,T,C or G

<400> 3241						
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attcggcacg	aggccggacn	gtgactctgg	nnacgcttgc	gncctnacg	tagntngnng	120
acctgtcang	anggaanaa	ggctggccnn	cngntgtacn	ctnaccgtcc	taaccccgcg	180
aggtccaggn	ccgctccttt	cggngnggat	tctcgcgaa	natccctccg	gcagctcttt	240
gcaaagctgn	ttagaaactt	ctcccaaact	cggcntggat	acgactgcta	tagggctcgc	300
tgtgtctttt	gtggagctct	tgtcctctta	tccttggcct	ctcctgggat	acggcccaag	360
gccaagtntt	cacgcangtt	ggtacgctta	tttcgttctg	gactctgggg	gctntgaann	420
ttcaccacgt	ggactgctgg	ggancgggnt	nccgancact	ngnntacctt	acnccanaat	480
ctgacaactt	ttctggacaa	cctacccanc	ttcaattggc	tnngagcnc	ntcngntgct	540
ggggnntncn	gtgcaaatgg	agncncaatt	ggtgggcaaa	tngttgatgg	ncaaaacggg	600
aaaaagcaac	nnncaangct	tttggctnaa	agccgatang	acncaaatta	nttntcttgg	660
accttganaa	tttctcaan	nnttttnagn	anncnctttt	ttnttggan	aaanacttaa	720
aagtgaacga	ttnttgggaa	anaaacaaac	tataataact	naaagctttt	ntaasaaac	780
annaatnnt						789

<210> 3242
 <211> 804
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (804)
 <223> n = A,T,C or G

<400> 3242						
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tgcaggaatc	ccatcgattc	gaattcggca	cgaggctcct	ttgaaccacc	ccaaagaact	120
caacttgga	aagcaaatgg	taaaagcttc	ccgactgttc	tactttgggt	ccgcgcgaag	180
cccactcacg	tgtgatctgt	gttgccctg	ggaggcccgg	ggcgaccgga	aaagggtctt	240
ctcaagtctt	gaaaagagaa	tctgccacca	gacgaattt	cgaccctga	gcttgttcgg	300
acgtatggtc	caaattcaga	ttaagggtgt	cacccaaccc	gagatgtcag	gaaaggcctt	360
ctgcagagaa	aatgtccccc	cacccgccat	ctgcagccag	gtgtgtgcca	cacggcagcc	420
ttcccgaac	atagtatgga	ttttaaaaat	gtgtttattt	ttgtttctca	accactttat	480

aacgtat	ttt	tttaattt	tatt	ttgtaat	gtc	ttgtttt	tgaa	gtattg	ctgc	tatcctt	gnt	540
atcctt	ccca	ctgtttt	t	actgatt	ta	ttttgt	gaaa	agttgt	acac	taatgtt	cta	600
tgtcaaa	atc	aaaaagt	tatt	taatgaa	ata	ctagttc	t	ttaatgt	ggg	ntatgga	acc	660
ancttg	gaaa	cacaaa	acaa	acagggg	att	gtacaag	can	gcttggg	gcc	caagna	agg	720
caagg	ttcat	ttggtt	acca	tatgcc	nata	aaacct	canc	gaanttt	taa	aaaaaaaa	ann	780
nnnnnn	naaaa	aanctt	ggng	ggct								804

<210> 3243

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (784)

<223> n = A,T,C or G

<400> 3243

ttcnaat	ngc	ttgttc	acgc	cctttct	gca	ggatccc	atc	gattcga	att	cggcac	gagc	60
ttctgt	t	tggttt	gttt	aaagtac	cta	agtacta	cnc	tttgact	ccc	taccaa	aagt	120
tctttt	gttt	tttaaac	aac	ttttatt	gt	gacttac	ttt	cttgaga	aagt	gttctt	aatg	180
aattgc	anna	cccant	ggta	gcagctt	att	tcttaag	tac	tttatt	attt	gtgctt	tacc	240
atttcag	gtt	cttatc	ttta	accctt	attt	actcag	tttt	ccatct	gaat	gatcct	tatct	300
ctaaatt	aag	gattt	aat	atgctg	caaa	ttgtcc	actt	tgcaa	attgt	ccaaa	agctt	360
tagttt	tgga	acctt	gtg	aa	cttttt	tttt	aataa	cacat	tattt	gggcc	ggcgt	420
gctca	agcct	gtaat	cgcag	cacttt	ggaa	tgcc	taggca	gacaga	tac	ttaagg	cctg	480
nagttc	gaga	ccagc	cctggc	caatgt	ggng	agacct	ncgt	nctatt	tact	aaaaa	tacta	540
aaaaatt	agc	aaggc	atggt	ggtgc	acgcc	tgtaat	c	tna	gctact	tttga	gaggc	600
tcagg	agaat	tgctt	ngaaa	ccttggg	agg	cannag	attg	agccca	agaa	ttggac	cant	660
gganttc	cac	ccctg	gggtga	ccagag	tga	gaaatc	cttnn	ctcaaaa	aaaa	ccataa	aaac	720
cctntn	ctnt	aaaa	naaaa	aaaact	ntga	gccttt	ttt	at	aacttn	agnt	ggagtc	780
atnc												784

<210> 3244

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (790)

<223> n = A,T,C or G

<400> 3244

tccaaa	atnc	ccttgg	antn	attcccc	ctt	ncaata	cctt	tccttng	nac	actccc	ngtt	60
tnngnt	ngatc	ccatcg	atc	gaattc	ggca	cgaggna	aaca	aagaagg	aat	gtcttc	ctca	120
tgtttng	gtc	tataga	agac	gttaa	agaaa	acttcc	agaa	agtggg	tttg	aggcat	gagc	180
caccac	gcct	ggccaa	agga	ttta	atgaat	taatgg	atgt	acagt	gctgg	ggctgt	tatt	240
ctaggg	cctg	cattga	gact	cacattt	ttgc	catcaaa	agc	ctttta	agag	gtggag	ggtt	300
cggtgag	ctg	acatgg	tgcc	actgc	actcc	ggcctg	agt	acagag	t	gag	actct	360
acaaaa	aaaa	taatgc	ccctt	t	aaata	atga	ataat	agtga	tagaaa	atgt	cattt	420
acaaat	gaaa	aattg	aaatt	aatgt	atata	attagat	att	attag	ctact	cttagg	tagc	480
ttcatt	ttgtt	gaaagt	tttga	caagt	gaatg	aagttc	acat	ctggaa	aatcg	ttgaac	attt	540
ttcg	ttcatg	gaact	caatg	gctac	gttag	tcgttt	atgc	ttttc	actgt	tgtgg	taggg	600
gctttg	gaaa	gtnaat	gcc	tcaac	aatgg	atacaga	ang	acctgg	attt	ggaata	aggg	660
caaaa	attt	ttttg	atggg	gctga	attgc	tctgcc	aggg	agcatt	tttgg	gtattg	agat	720

gaaaaatggcc tctcttttgag actgagctgc cacctggcaa attattgnct gcttaanggt 780
tctctttatn 790

<210> 3245

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(784)

<223> n = A,T,C or G

<400> 3245

gnntttttcta aatcccnttt gcnttactcc ctctttcaaa tcgcttggct acttgcncn	60
ntngnttttgc aggcattccca tcgattcgaa ttcggcacga ggaacaaaga aggaatgtct	120
tcctcatgtt tgggtctata gaagacgtta aagaaaactt ccagaaagtg ggtttgaggc	180
atgagccacc acgcctggcc aaaggattta atgaattaat ggatgtacag tgctggggct	240
gttattctag ggcctgcatt gagactcaca ttttgccatc aaaagccttt taagaggtgg	300
aggttgcggt gagctgacat ggtgccactg cactccggcc tgagtgcag agtgagactc	360
tgtctcacia aaaaaataat gccctttaaa taatgaataa tagtgataga aaatgtcatt	420
tcttgacaa atgaaaaatt gaaattaatg tatataatta gatattatta gctactctta	480
ggtagcttca tttgttgaaa gtttgacaag tgaatgaagt tcacatctgg aaatcggtga	540
acatttttcg ttcattggaac tcaatggcta cgtagtccg tttatgcttt tcaactgttg	600
ggtaggggct ttggaagtaa atgccatcaa caatggatac agaagacctg gatttggaat	660
aanggcaaaa tttatttgat ggggctgaat tgctctgnca ggancatttg gtatgagatg	720
aaatggcctc tcttgagact gaactgcaa cctggcaatt attggctgct aanggttctc	780
tttt	784

<210> 3246

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(784)

<223> n = A,T,C or G

<400> 3246

gnntttttcta aatcccnttt gcnttactcc ctctttcaaa tcgcttggct acttgcncn	60
ntngnttttgc aggcattccca tcgattcgaa ttcggcacga ggaacaaaga aggaatgtct	120
tcctcatgtt tgggtctata gaagacgtta aagaaaactt ccagaaagtg ggtttgaggc	180
atgagccacc acgcctggcc aaaggattta atgaattaat ggatgtacag tgctggggct	240
gttattctag ggcctgcatt gagactcaca ttttgccatc aaaagccttt taagaggtgg	300
aggttgcggt gagctgacat ggtgccactg cactccggcc tgagtgcag agtgagactc	360
tgtctcacia aaaaaataat gccctttaaa taatgaataa tagtgataga aaatgtcatt	420
tcttgacaa atgaaaaatt gaaattaatg tatataatta gatattatta gctactctta	480
ggtagcttca tttgttgaaa gtttgacaag tgaatgaagt tcacatctgg aaatcggtga	540
acatttttcg ttcattggaac tcaatggcta cgtagtccg tttatgcttt tcaactgttg	600
ggtaggggct ttggaagtaa atgccatcaa caatggatac agaagacctg gatttggaat	660
aanggcaaaa tttatttgat ggggctgaat tgctctgnca ggancatttg gtatgagatg	720
aaatggcctc tcttgagact gaactgcaa cctggcaatt attggctgct aanggttctc	780
tttt	784

<210> 3247

<211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

<400> 3247

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cgattcgaat	tcggcacgag	gtgtgcttgt	gaaatgtcca	ggcgtgtgca	cagccagtgc	120
gcccacttcc	gggtctcttg	ctccctgctg	tactgaagtt	ttggattttg	catccaatcc	180
tgtgtgcctg	cccttctgcc	gaaggcttgt	gaggggcctg	agtcctctgc	ccatcaggat	240
gacaggctcc	ttcctgcagg	gccatangag	ggaagttttg	gaaacacaga	atgattccaa	300
ggtgctctcg	ttcctgaggg	ggactgggtt	gtaacccatg	acatctgtgg	gcgagagagg	360
cagctgggag	cangacactt	ggaggggtcac	cccacggggg	tggcacctgc	actctgagtg	420
ccccccactg	tcatcagctg	cctcttaccg	tggacacagt	tntggttttg	gggactangg	480
ggcccnactc	ctgggtggtac	cgtttggact	tactagggca	gtgggacata	tangcccggg	540
gctagtngga	taacggggag	ttacncctga	tgactntttt	gatggaatcc	tgcattagat	600
agcttngtgg	gacccccccc	ctcanaattt	ggggaactga	ngagaattcc	nngaagggtg	660
cnttcangga	gagcaccttt	naaggggccc	cctaacttcc	tgagcctgga	aattagaata	720
ancattaaag	gggcatacac	accttttccc	aaaaaacccc	tntccatttg	gttttt	776

<210> 3248
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(777)
 <223> n = A,T,C or G

<400> 3248

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ttcgaattcg	gcacgagacc	ctctctggcc	acatggaggc	agtttcctca	gttctgtggt	120
cagatgctga	agaaatctgc	agtgcattct	gggaccatac	aattagagtg	tgggatgttg	180
agtctggcag	tcttaagtca	actttgacag	gaaataaagt	gtttaattgt	atttcctatt	240
ctccactttg	taaacgttta	gcattctgga	gcacagatag	gcataatcaga	ctgtgggatc	300
cccgaactaa	agatggttct	ttgggtgtcg	gtccctaac	gtcacatact	ggttgggtga	360
catcagtaaa	atggtctcct	acccatgaac	agcagctgat	ttcaggatct	ttagataaca	420
ttgttaagct	gtgggataca	agaagttgta	aggctcctct	ctatgatctg	gctgctcatg	480
aagacaaaagt	tctgagtgtg	gactggacag	acacagggct	acttctgagt	ggaggagcag	540
accaataaat	tgtattccta	cagatattca	cctaccactt	cccatgttgg	ggcatgaaaa	600
gtgaacaata	atttgactat	agagattatt	tctgtaaatg	aaattggtaa	gagaaccatg	660
aaattncata	ngatgcngat	gcagaaagca	acctttttga	aagtttatat	aatgggtttna	720
cccttcataa	ccagcttaac	ctttcacttt	ttcttatttt	ggatttataa	ataagaa	777

<210> 3249
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(770)

<223> n = A,T,C or G

<400> 3249

gntcctnnnt	ttcttatnct	tggtactcgc	ttctntctgc	aggatcccat	cgattcgtag	60
ggattgagga	agatctagca	gaaccttcta	agtctcagac	acgtaaacc	aagtgtggca	120
aaggaactca	ttgctctcga	aatgcatata	tgttggttta	tagactgcaa	actcaagaaa	180
agcccaacac	tactgttcaa	gttccagcct	ttcttcaaga	gctggtagat	cgggataatt	240
ccaaatttga	ggagtgggtg	attgaaatgg	ctgagatgcg	taagcaaagt	gtggataaag	300
gaaaagcaaa	acacgaagag	gttaaggagc	tgtaccaaag	gttacctgct	ggagctgagc	360
cctatgagtt	tgtctctctg	gaatggctgc	aaaagtgggt	ggatgaatca	acacctacca	420
aacctattga	taatcacgct	tgctgtgttt	cccattgaca	gcttcacccg	gataaaatat	480
caattatgaa	gaggatatct	gaatatgcag	ctgacatttt	ctatagtaga	tatggangag	540
gtccaagact	aactgtgaaa	gccctgtgta	aggaatgtgt	agtagaacgt	tgtcgcataat	600
tgctgtctgaa	gaaccaactt	aatgaagatt	atnaaactgt	taataatctg	cttgaagaca	660
gcnagtaaaa	ggccnatgga	ttttgggggtg	ggggaantcc	cttccttgcg	gantttggcc	720
ccanctancn	tctttgaaca	ncttgntnaa	ncaananggg	nggatgcann		770

<210> 3250

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(800)

<223> n = A,T,C or G

<400> 3250

ggnnncnnttt	neccccttt	tgaaaacccc	ttttggngga	ancccncttc	tttnaaatcn	60
cttggctact	cgctctttnt	gcaggatccc	atcgattcga	attcggcacg	agtatataac	120
aacttttgc	ttcaaagttg	ggtgggacta	gaacacacaa	tggaaggatg	gagtcaggag	180
acctggattc	ttgtgcccgc	tctggctttt	acagtctgcc	taactctatg	cagtcacttc	240
ctgccagcct	gtttccttac	ctacaagagg	gagagacact	ccctggccag	cctagttctc	300
agggtgaacg	aaaggtcatt	atcactgcct	ccctagtcga	tttgcttctt	cgctcattaa	360
cacatcttga	gcacctgcga	tggtccagga	acaggagatg	gcagcgtgca	agataaaagt	420
ccctgacttc	tagagactgc	atgttagtgg	caatcggcgt	ctaccggcc	ttcaataaac	480
tactgaatga	aggaaaattc	tacctagcac	cagacacaa	tactgggttt	ctaaaatgga	540
attattcccc	cggccccctg	catccagcag	cctgctgcag	ggaagctcct	ccgaagctgt	600
aggcaggagc	gggacaaatg	cttgctatca	gcttcacaga	atgttaccta	agtactattc	660
ctacacagcg	ccttacagaa	caaacagtaa	aaaccaaatg	gnaagcatgc	acnggcttaa	720
aaactcaaac	ttcctaacta	ctcagtaatt	anganggtca	ttttacccca	aaatagaatt	780
ttcnatttat	ccaataanaa					800

<210> 3251

<211> 1144

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1144)

<223> n = A,T,C or G

<400> 3251

gnnnnnnnnnn	nnnnntttnnn	nnnnnnntttt	tttgnaaaaa	aatccccccn	ttttgggccn	60
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aaaaattngg nccctccttt ttnttgggca agggggaatc ccccaaatt ttttnaaaa 120
ccggaccant ttttcggggg cnaaccggaa ggaaaccaat ttaaaggccn cctctcncaa 180
acccccctt tgggaanggg gggaaattgg naaaggaaac caaggccttt tcccccttt 240
gggcaaagg ggcnaaggg ggccttgggt tggcccccc naaagtctcc aaanttttt 300
tnaaaaagg ccccnttaa ccaaaagncc tttggggggg cccttnggcc cttnggggnc 360
cttggccnaa nggggggttn cctttgggga aaaggggggc ccgggggttg ggggggggga 420
aaagggggtt tggggccaaa ngnaacaaag aaaagttnan nccaaaangn aacccccccc 480
naacttttnc ncntngggcc ctncntttna acaagaacct tgccgttcaa tggcccgggg 540
gccttgggga accggcaagc aaaggccctt ggcttctttc tggcccnngc catgaaacac 600
cgnatgttg ggagaccccg atcacaagcg caacaaggta gaccagctca anggcctttt 660
ggctatgtcg agatcccctg tgtggccaag aactggtgtg cngagatgaa agtctcgggg 720
ccatggctga agtggggacc atcgtggaca aagtgaaaag aaagtcctct ttcancacaa 780
gtgctcttca acagaagttg acctgggatt tctgtcatgg gtgtccctct ggactcaaaa 840
atgggttcaa ggcccaagtc ggtgaanatg gatgttggca aaaataggaa ggataccctc 900
attttctgn aatnggggga anctgctctt naccttggcc aaggggcaa ggctgtgtc 960
aggttnaaac ttgggaccgg aaaggcccaa gtcttaattt cttttcaaac cnaggaaaag 1020
gnccgnttgc cttaaaaacc cttcccaac ttttctctgg gatgggntga aggcaaancc 1080
angaaaancc aagcaatggt tgttcntcaa cnggaaggaa gggacttgaa ccnaactggg 1140
gaaa 1144

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<210> 3252

<211> 818

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(818)

<223> n = A,T,C or G

<400> 3252

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ntttctannc nngntttcaa atcccttgca ttngcncctt tgtttgatcc catngattcg 60
aattcggcac gagagaagat tggggatgag gagtgaggag antgctggag accagttaga 120
ggctaccgta gcagcgtana gaggtgaaa atctaactag ggtggaagca gccaggcagg 180
ctggtcttaa tgttgggagt tgttcagatc tgaccnnana ggtcattact tatagagtta 240
ttaatttata cccacctta attgcaaaga gattcaaagc agtaagccat cactttagaa 300
tttaatgttc tgttttccctt tttatttact cattcagcag ctatttcaat gcctgctgtg 360
tgccaggtgc tattcttagn gctttacttg ttgtatgtgt natctaatgc tgtgtaacaa 420
attactcctg aacttaccaa ctcacaacaa catttattag ctcacagttt ctgtggagca 480
tnggatctag atgtggctta gttgggggtt ctggcctggg gtcttctnct aaggctncaa 540
cgaaaagtng aggcccgggc tgcagtnatc tgaaggctct antggggcaa gatcccactt 600
caagctcact naatgngcng ttgncntang nttagttnnc ttgcaatnct attnggattt 660
gngcccttaa gttcctgggc atatagcccn nnnctnntat ggncaagggt cactnnttgn 720
gngcantttt acaccctttn aagtcntgna nntangntgn gnagnaannng aaactaaacn 780
aatttannan nanntatata aanctcnnnn ncccttcc 818

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<210> 3253

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(797)

<223> n = A,T,C or G

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<400> 3253
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tcacatccag caaatgcagg gtcacatgaa atatgggcct cctggaatcc ctacagtggg      120
tggagactgg ctcatacctt gccagatccc tctctcagtt ccagccttct ggacaaggcc      180
tgggctaaga ggagctgnnt cgttatctct tcacccactg cctctcagtt atcaccagtc      240
ccaaagacag gatacgctcc tgtaacccaa tctctcggtt gattgatagc agaacagctc      300
ttgttggctc gagaaggcag gataagtgc cacaatatta tgccactacc tccaccaggg      360
agagtccttc tccacaggct tgataaatc aatcaccaac tgtgctgtcg tccctgactc      420
tgctactccc gttcttctg ctttctgct cgtatctca gtctgactg accccaaggc      480
tgggctgaca tcaagatggg agcccagccc acgggcttta taaacaccca agaaccgttt      540
cagatcttct ctggtgctga tgcangtagt tttaaatttt tctcaagtn cagtgataga      600
aaacccacac aatcatctc tggccagtct taatagaata tcagaggtn anaagggcct      660
tcanaagaac ttttnacnca atgcctgctt gggggaaang gaaagttgac ttaacccccg      720
ggttcaaacc tggccatttn anggggaaaa aancttnaag gttcnttacc cntngnttg      780
gcatgcttgc cncncnc

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<210> 3254
<211> 794
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (794)
<223> n = A,T,C or G

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<400> 3254
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gacaagcaga tgctaataaa agaactctga tctttgttng ttattccatg ttaaagggtt      180
gaaataaagg taagagaatn tttgtactgt tgttatcccn aatccatctc ctgttctact      240
ctctattcaa aataatcgta cagtgaacta cagagctttc agaccaacag tattttttat      300
ttttcatttt aagttcaggg taccaacatt tctttccatg gatgttgatg gacgtgtcat      360
cagagctgac tctttttcaa aaatcatttc ctctgggttg agaataggat ttttaactgg      420
tccaaaaccc ttaatataga gagttatttt acacatacaa gtttcaacat tgcacccag      480
cacttttaac cagctcatga tatcacagct tctacaccga atggggagaa gaaggtttca      540
tggctcatgt agacagggtt atttgatttc tatagtaacc agaangatgc aatactggca      600
gctggagaca agtgggtaac tgggtggcag aatggcatgt tcctgctgct ggaatggtt      660
tatggnttaa aggtnaagnc tttatgntgt aaagaacctg tttgaagaaa angccgttaa      720
gatggggggn tttaatgcct ccttgaaaaa tggnttnttc cgtcgntang ttaannttcc      780
tagnccttc ttnc

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<210> 3255
<211> 794
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (794)
<223> n = A,T,C or G

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<400> 3255
gnnnnnnnnng gtnnnntttc aaatccttgc tcttgcntgt ngttgatccc tcgattcgaa      60
ttcggcacga gggagcaaat aataagccct tgtgtgtggt tttggcagaa aagccatgaa      120
gacaagcaga tgctaataaa agaactctga tctttgttng ttattccatg ttaaagggtt      180

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gaaataaagg	taagagaatn	tttgtactgt	tggtatcccn	aatccatctc	ctgttctact	240
ctctattcaa	aataatcgta	cagtgactaa	cagagctttc	agaccaacag	tattttttat	300
ttttcatttt	aagttcaggg	taccaacatt	tctttccatg	gatgttgatg	gacgtgtcat	360
cagagctgac	tctttttcaa	aaatcatttc	ctctgggttg	agaataggat	ttttaactgg	420
tccaaaaccc	ttaatagaga	gagttatttt	acacatacaa	gtttcaacat	tgcaccccag	480
cacttttaac	cagctcatga	tatcacagct	tctacaccga	atggggagaa	gaaggtttca	540
tggctcatgt	agacaggggt	atttgatttc	tatagtaacc	agaangatgc	aatactggca	600
gctggagaca	agtggttaac	tggttggcag	aatggcatgt	tcctgctgct	ggaatggttt	660
tatggnttaa	aggtnaagnc	tttatgntgt	aaagaacctg	tttgaagaaa	angccgttaa	720
gatggggggn	tttaatgcct	ccctggaaaa	tggnttnttc	cgtcgntang	ttaannttcc	780
tagncccttc	ttnc					794

<210> 3256
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (784)
 <223> n = A,T,C or G

<400> 3256	
ctaantcttn	tcnntngctt
ttcattctat	cacctgtct
tagagtccag	acatcagnaa
ccaaaccgca	gatcctgctg
caaccctttc	tgcaggctct
ttccttcaca	ttgtactgcc
ctccttgcat	tccattttca
ataataccac	tcccgcggga
cgatacctca	atgatctang
agtgagtcce	caaggaccaa
acaggctacc	cttttcatct
ttcttnaagtg	tggttcagggn
aaatcataca	ggccttggan
tntc	

<210> 3257
 <211> 822
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (822)
 <223> n = A,T,C or G

<400> 3257	
ttnnnnnnct	nnnggnnttt
ttcgaattcg	gcacgaggat
ccatcatacc	ttctgaaaaga
ccagtcttga	tacagatggt
cttttagatgg	tcatgcatac
ttttgtgtaa	agtttagccag
aagcccaaaa	agataaacta

cangacagag	actgaagaat	aaagaaaatg	agtttcattg	ccagatcatg	aatcccaaag	480
aaacttttaa	gaagatgagt	tgtgtaaatg	gaactgaagg	gaggaagag	ctgccttcgc	540
ctggtacaaa	gcacacatgt	gtatacacat	gggtcaagca	gtgctggtct	gtggctgcct	600
gtccagagga	atgggaaata	ttcctttgtc	tttagcactt	catttttcta	aataaaaatc	660
anccaatatg	tctaaaaaaa	aantttnttn	ataataaacc	tngaagccct	nttanaacct	720
tntnntggag	gtcctnnttt	accntatgat	tcccggaaact	tggataagga	atcccntttg	780
gattgganat	tttgggccna	aaaccncna	nmcttggaat	cc		822

<210> 3258
 <211> 1052
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1052)
 <223> n = A,T,C or G

<400> 3258	
tttccctnaa	aaaaattggn
nnnnngccaa	ngggaaatcc
aaagccaatt	ttaatttaac
nnnntntcca	aaaaaanggc
tccttnaatg	gggggttnna
aaaaaatcct	tttttnncca
ggctttttta	ccttggtcaa
gaaccnaaat	tnctggatca
ctcccattga	gatttcactg
gnttcatttc	attttcagca
tcaaagtgtg	nttattacat
gcattttgag	gatattgngn
atttgaattc	caaagacctt
canttttctt	actctcaaaa
ttaaaagcct	ggatgcaana
ttncataatn	ngggataatg
cnatttttaa	aaatggtatt
ngngaacaat	gttccccntt
ncccttttng	ggccctnaaa
ttttataanc	cgggcctccg
ccttnagggg	ccttgggccc
tttnccaaaa	gggtntntnt
aaattttnnn	ttaaccaatt
cctgggaaaa	ccttttcccc
taggtanttt	ggatggtcct
gtcacatcag	ggaaccctat
ctggactaag	attattcctg
ctgattatgt	taatcgtatt
tcattttgnt	tcataatacac
ggaataaggga	atgggtgcaa
cattagcaag	gtcacttggt
tatcccgaaa	agnactttga
tttgnaagta	aattgnggct
nggggaatt	ngggctatba
ttggtaaaa	ggttcanttn
cc	

<210> 3259
 <211> 800
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (800)
 <223> n = A,T,C or G

<400> 3259	
gnnnnnnttt	nnnnnnnngt
tcgtgacaaa	cttgattggg
ggagacagtt	gatagccaaa
tagactggta	tcaagaatca
ttggacttct	cagcctccat
gtggaaagcc	tgagctaacc
tcctagttag	agcctcccta
tggcattgat	ccnttgnttg
ggtttgaagc	gccctcgaga
ggattcactg	actgattatg
aggccctcac	cagacgccag
taagtttttg	gaatccttag
cctggagcag	attcaggcca
accagacatt	gaccattcag

ccttgaacat	tcagcacaaa	gacaaaacag	accagaccag	aagagtccca	cagaatang	480
gaaactattc	agagaaaact	taagccacta	agttttatgg	ngntttgttc	tgtagcagaa	540
gcatagggcat	actgacaata	caaaccgaaa	tccttctaac	gtagtggacc	ttttcaggcc	600
agcatttttt	tcttgaaaac	ctggagcatg	tattccatct	tatagcagag	atcactttca	660
caatggttgg	ggctcttggg	tttggaatgg	atgatgtaat	gaagccctct	tntncagatt	720
ggnaactaat	tactcttggg	gaattgactn	ggattccaca	ccccttctta	anaattntac	780
ttttnctctt	tttatcaaac					800

<210> 3260
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1098)
 <223> n = A,T,C or G

<400> 3260						
gnnnnnnnnt	ttnnnnnttt	ttgnaaaanc	ccccttttgc	naaatngncc	ctttttntgg	60
cangggatcc	ccatntttat	ntcggacatt	ttcgggccac	cggaaagggc	cgggggcccc	120
cgggccncca	ggnccgggna	aagggccccc	ttgggcggcc	cccggncggc	cccaatgggt	180
tccaaaaagg	gaaaaaaaaa	aaagggggaa	cctgggaagt	tggcccanga	aaangnaaaa	240
aaaggnnaag	aaaccttccg	ccaatgggaa	tggggaaaaa	taattttttc	ttgaaaaacc	300
caaaaaagga	atggttattt	ttcaaattta	aaaaaggaac	nttgggaaga	aagaattggc	360
ttcccacncc	cagaaagggc	attactggct	atgtcaagta	aaagaagtcc	ttcaaagctt	420
agttgatgat	ggtatggttg	actgtgagag	gatcggaact	tctaattatt	attgggcttt	480
tccaagtaaa	gctcttcatg	caagggaaac	ataagttgga	ggttctggaa	tctcaagttg	540
tctgagggaa	gtcaaaagca	tgcaagccta	cagaaaagca	tttgagaaag	ctaaaattgg	600
ccgatgttga	aacggaagag	cgaaccaagg	ctntgcaaaa	agagcttttc	tttcactttc	660
gagaccaaag	gggaaccagc	tnnaagggcn	agaaaagttt	gaaaaaaatt	ccaaaggaac	720
tgggtggaatc	ccccaaaagg	tttggttggg	gaaagaaaaa	ttcccgcgcc	aangccaaaa	780
tttaaaaggt	ttngccccc	aagggaaaag	ncttgnctt	taaccagga	attggggacc	840
ctgggantta	aaaccnataa	ttttcccgcc	naatttnaaa	aaattcnttt	nggggncccc	900
naaaagggna	aaaaaatttt	nggggggttt	gggnaaggna	aaaatttnaa	atttggattt	960
ngaaactttt	ttnggggaatt	ccccagaaag	aactttttgac	cttcctntng	acctnaaaaa	1020
ttttcccttg	gggggggtgna	anggatgttc	ccaagctttg	tggnatattg	gtaaaatttt	1080
naaccttttn	tncttacc					1098

<210> 3261
 <211> 849
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(849)
 <223> n = A,T,C or G

<400> 3261						
gnnnnnnatt	cccttttnaa	tnccnccgaa	ancccttggg	agcactaccn	ctcngacccc	60
tttggaacgn	cgactnctnn	atatatcnng	gatataatag	gtgataagtt	ctgncaatta	120
gtaacatcng	gaaaaaacag	ctnngncctg	ggngaaaaag	gatgccaaaa	tngcctggaa	180
aagagcagng	gagaggagtc	cgggagatgn	gngatgcac	gggacgcanc	atngmtnaac	240
attcactggg	tctgccaaaa	atgtggattt	gngggctgct	tagatngtta	caaggcaaaa	300
ggaaaggaaa	gagttctaga	gataaaagaa	ctatatgctt	ggatgaagtg	tgtgaaggga	360

cagcctcatg	atcaccaaca	tttaatgccc	aaccctaaat	tataccnggt	tctgntttga	420
cagacttcta	gatgccatgc	acactcttag	ggaaaaaata	ttgggattaa	ancccatngg	480
cattggacta	acaaacagga	atttacaagg	tnggaaantt	ttncnaccaa	tgaaaggggg	540
gacncaagg	ttttccagaa	nggntcntaa	tcncaggnaa	taaaaattnc	tctngggcaa	600
gccctgagtc	ttaancagca	aaaanactcc	tcccgaancc	tnagaaaaa	agggggggca	660
gccaggcccn	naaanggaan	gtnaggcccn	agatnaacaa	ngtnacctcc	ncccagnaaa	720
ccccannccc	caactggnac	cngggnaacc	cacaacnttt	gcngaagncc	aaaaaagncc	780
nnnagangga	aaaaaaaaa	naananaaaa	aacctnnnag	cccctaagaa	accttagggg	840
ngggccncc						849

<210> 3262
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (858)
 <223> n = A,T,C or G

<400> 3262	
gnnnnnnttn	nnnnntttcta
atgettnntna	aatnccttgg
nagcaggatc	ccantttcaa
60	
ancgcttggg	gcctatacca
ggagagcgga	tcccagacgt
ggctgcattg	nccatgggct
120	
tctctgtgaa	agaagacctt
tcttggccag	gactcgacgt
gggtaacctg	tttcatcgnc
180	
cncgggctac	cgatcatggg
gatgggtgaag	ggagtgaaca
nancggccct	acccccaggc
240	
agngtcattt	cgtacccttt
ggagaatgca	gttcctttta
gncttgacag	tgttgcaaat
300	
tccattcact	ccttattttc
tgaggaaact	cctgttgttt
tgcagttggc	tcccagtgag
360	
gaaagagtgt	atatggtagg
gaaggcaaac	tcagtgtttg
aagacctttc	agtcaccttt
420	
gcgccaagct	cccgtaactc
cctgtttcaa	gaaaactctg
ntctcagntt	caactccctt
480	
caattctctg	agtnggaaac
atgaaagntg	acctgctcnt
ttctttctga	acngcaagtg
540	
ctacaatgat	atttcaagct
ttgctggcct	cggacattaa
gcattntagc	ccaaggatca
600	
attctnctg	gaattaataa
ttccacntgg	gangcctggc
aaggtttgga	atgaaaaatt
660	
ggggaagccc	ttatggggga
aananccttt	gaacaanttc
aataagaatg	cnttcnaaag
720	
aacccttgg	tgacccctnt
gccaaaaant	ttggcaacaa
tgaacatngt	tcaagncttt
780	
gatggggggg	gaantggcnn
ngggnngaa	nttagggccc
tnagnaaaaa	caatttttga
840	
caacctcccc	ttcatanc
858	

<210> 3263
 <211> 835
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (835)
 <223> n = A,T,C or G

<400> 3263	
tnctttcna	atccttnttg
cangateccat	cgattcggag
tttttttttt	tttttttttt
60	
tttttttttt	tttttttttt
tttttttttt	tttttttttt
aagttttttag	tttaattaang
nncttgcgaa	
120	
aaatccanac	cagntttatt
tcagggggna	nagtnanaaa
ncnctgcaat	ntgnncttaa
180	
ngggattcga	ttngaggccc
ccnccnggg	gganantgtn
anccagggat	acnacaaaant
240	
ncttggaag	tcactggana
ccgacnttcn	tgcatttngg
gaaanaaant	gggtttgngg
300	
nnaantaaag	catttttgacn
atgactgntg	cctaaananc
cntggcattg	gccagggatn
360	
ctgtggaacc	cttttttntt
tnaatgggtg	ntgagcatta
aactgncact	tgttnanngn
420	
nattagannc	tttgatngna
acttttnann	ancccccgaa
nnctggnncc	cctnaatntt
480	

tnaatngcc	cctntttt	cnanggggat	atantatttn	ntntngggtn	ggaaaatttt	540
tanaggatna	anntcncct	tttttnttt	tttantccn	atcntttnt	tntncttttn	600
nncccttttt	tntnttgngc	nnnttanaaa	tttctctgta	antggatttt	naattttngg	660
nnannnnant	ntaanggntc	cctttttttt	aatttnanaa	aatggggttt	natnttctac	720
tcttcnancn	cntnnggntt	ttcnaentca	natgtngcnn	nngnnaaaaa	aantnntttt	780
ccatgggnct	nnctaanata	aatcttctnt	naatggtntn	tannnttttt	caaan	835

<210> 3264

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (758)

<223> n = A,T,C or G

<400> 3264

ctaatagctt	ttcattcnaa	tgcttgtgat	ccctcgattc	gaattccggt	gctgtcggac	60
agattgcctt	agtaccacc	cacctatcag	ggttatgcaa	tggaacatcc	tcgccaagc	120
tcttgagaaa	ggcaaagaca	actttgtaca	gtgccctggt	gaagcactca	aatgggaaga	180
aaggaaatgt	ctcatcctgg	aagaaatcct	ggcctaccag	cctgatatat	tgtgcctcca	240
agaggtggac	cactattttg	acaccttcca	gccactcctc	agtagactag	gctatcaagg	300
cacgtttttc	cccaaaccct	ggtcaccttg	tctagatgta	gaacacaaca	atggaccaga	360
tggttgtgcc	ttattttttc	ttcaaaaccc	attcaagcta	gtcaacagtg	ccaatattag	420
gctgacagcc	atgacattga	aaaccaacca	ggtggccatt	gcacagaccc	tggagtgcaa	480
ggagtcaggc	cgacagttct	gcacgctgt	tacctatcta	aaagcacgca	ctggctggga	540
agcggtttcg	atcagcttaa	ggcttgtgga	ctcttcagaa	cctgcaaaac	atnaccacaag	600
gagcccaaga	ttncctttat	tgtgtgtggg	gacttcaatg	canaccaaca	gaanaagggtc	660
tncaaact	ttgcttcttn	cagctnaac	cttganagnc	ggcctacaag	ntgctgaatg	720
cttgatgggc	aatttagaac	ccccatacac	ctacctgg			758

<210> 3265

<211> 1050

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1050)

<223> n = A,T,C or G

<400> 3265

tttctaagtc	ttggctttga	gncctctntt	taaaatcctt	tggnactac	tctgcacgat	60
ggggcgctga	ccggngcgg	cccacaccg	ctctttntct	ttctttgccc	cggactccct	120
ttcctgcctc	caagacctgg	gtgtctacaa	ctgtgagccc	agcttggncc	aaaggcagtc	180
cccatgggac	ctagactcac	cttncccttg	cctctatgaa	accttctgct	tgggcccanc	240
ccctgttcca	gtccccgacc	tgcaactcct	tgtgtgggact	cangcctcca	agctccctgc	300
ccagcnagcg	gncttcagcc	accgtcttcc	cctttctttc	gggccctgnt	tgtnagcanc	360
tttgagaaaa	cccananggg	acctngtgcc	ccttgcnag	nctgtgcgct	tggtgcaaga	420
ctgnccgtgn	ctgcatcatt	ttncatggtt	gncgggggtg	tggggntnnn	cnngncgnnn	480
cntgntcaca	atcaancatn	tatncctnan	ntnggggatn	acnaatggcc	tnaagantgc	540
tacntcntan	nnnganttn	tcangnnntn	ttactaacnt	ncnatngnnc	ntnganatang	600
ncatgnantn	ttagtntntg	atntanccnc	nattgcagcc	ncataattat	cctacaccac	660
anannaancc	ntccttnnag	aanntgncnt	ctatgnaana	gnctnnnaat	gtggcnncna	720
atataanntn	ntntnctnnc	atcntannnn	nttctctacgt	nannnnncat	nnncnctntn	780

ggnnactatc	ncatantaca	tcnntnannn	cacccatnct	nntntnanat	ntctcntggg	840
nantnnntc	tcctnnan	ncnctaana	ngatctctca	nntacatgan	ntanatnacn	900
natanngnn	anatanann	ngtctctct	atnnnttatn	nanngtcan	nttacnnnan	960
nannnaann	tatnntngtt	cnaaanntat	ntataaancn	ncgtnnnttt	nnannagatg	1020
tacnccnntn	anntaannat	ctangctccg				1050

<210> 3266

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (798)

<223> n = A,T,C or G

<400> 3266

gnnnnnnant	nnnnnttnaa	atccttnntg	aatcctttga	antaccatcc	cnttttncga	60
attnggcacg	aggaaagggtg	gcgcgcttct	cacggctgag	ttgctgcgcc	ttgcagacgg	120
aagctcccca	caggcagagc	tgcttggtatg	tgtgagtcac	gaaccagaga	agccccgctc	180
catgagcagt	gactccccan	gccctgtgac	ctccctcctn	cttgacagctc	ctcctggcac	240
cagtcccccag	ggctctcctg	ttggtagttc	ctgcttttct	tcttggaat	tcctcgtgga	300
cctcgagatc	tttaccctaa	aatagttctg	ttgaatttca	ccctggcaat	gtaaattgat	360
agcttatctt	cacagatgcc	agacaatgga	caactcacca	tcagtctctc	gtcacctga	420
gacaaatgca	tgtctgattg	cttctctctg	cctattgntt	atgtgaaaat	gcagattcac	480
tgagccagac	taaggcatca	gtgactgttc	ctctacctgc	ctctcacatg	gagatttgtg	540
attcagtga	aggctgatca	aagacccaaa	ggaatgcaac	agtttatctc	ttatctacct	600
atgacctgcg	aactggccaa	caaccagtt	gttgnccgct	tttcagacag	aaccagtgtc	660
atcttacacg	tattnaaatg	gatgtcctgg	ngtctnccca	atatgtattc	aaaagcaagc	720
tggggcctng	accacccttn	ggcacatatt	cctcanggac	atcattcctg	angctgtgtc	780
actggcatgt	ccttaanc					798

<210> 3267

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (817)

<223> n = A,T,C or G

<400> 3267

ngnnnnnttt	ttnnnnccgg	tttgaaatcc	ctttgaattt	gnaatcggtg	gtgatcccat	60
cgattcgaga	aatcggaaca	aaagtagaag	ttgtggaaag	gaaagaacat	ttgcatactg	120
acatttttaa	acgtggctct	gaaatggaca	acaactgctc	accaaccagg	aaagacttca	180
ctgaagatac	catccacga	acacaggata	gaaagaanga	anccccgcct	gtatttttcc	240
agcaaataa	acaaagaagc	tcttagcccc	ccacgacgta	aagccttta	gaaatggaca	300
cctnctcggt	caecttttaa	tctcgttcaa	gaaacacttt	ttcatgatcc	atggaagctt	360
ctcatcgcta	ctatatttct	caatcgagac	tcaggcaaaa	tggaataacc	tgtgctttgg	420
aagtttctgg	agaaagtatc	cttcagctga	ggtagcaaga	accgcagact	ggagagatgt	480
gtcagaactt	cttaaacctc	ttggtctcta	cgatcttcgg	gcaanaaacc	attgtcaagt	540
tctcagatga	atacctgaca	aaagcagtgg	aaagtttnca	attgagcttc	atgggattgg	600
gaaatatggc	aacgactttt	taccgaatt	ttttggggcn	aatgaagtng	gaagcaaggt	660
gcaccctgga	gaacccccaa	nttaaattna	attttcatga	cttggttttt	gggaaaaaaa	720
anantgctt	nttaaaaaaa	aaacttgag	cctttttgaa	cttttggggg	gtcggnttta	780

cctagatccg gaccttgnta agntncttg gntggnc

817

<210> 3268
 <211> 725
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (725)
 <223> n = A,T,C or G

<400> 3268
 gnnnttggtc taatgctnng ctctcggttct ttctgcagga tcccatcgat tcgaattcgg 60
 caccaggata ggccacattc cagtaagaac tcaatttgct tcccaaattt gcagaaacaa 120
 aacgtgattt aaaagctgag ctttttatca gaaagctttt ttgatgtttt aagtgttatg 180
 tgacttggtg aactttttta aaagtgtctac ttttaaaatc ccagatactc tgaatttttag 240
 aaaacaaact aattctgatt gtgtcgtgcc caagtaccct ttttttttaa tgaataggga 300
 ccaatgccac attgcttttt atatttcttt cttttttaat gttgccaaaa ccaaaagtag 360
 ctttggtttc ctttgatttt tgcactttt cagtatttgt gtgtgtggtt ttntttcctt 420
 aatttgaaag ggacagnnct gtgtatgttt ataaactaaa tgaagataag atattatntt 480
 gtataaacat tcatctgaga acaatcaaag cagtagccac atgggtgctg ctcctttgca 540
 gcacaaacct ggtcattttg atgactgtca acaggaagac ttgaaaaatc acgtggattc 600
 atattaccac cgctctcatt tcatggagtc ttctgatcaa aaaaaagctc acgtcgtatt 660
 tcttctttnc tttctctttt ctaagaaaat tgggtgtntt gaccagaatg ggaattttgc 720
 ttcn 725

<210> 3269
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (786)
 <223> n = A,T,C or G

<400> 3269
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 catgtactct gcactctgtg attaaaccaa ttgcagatca aaaatattag aaaaaataaa 180
 aataatacaa ataaaaatac agtatnncca gttattttaa tagcatttac attgcattag 240
 gtattagtct agggataaag tatacaggcg gatgtgcgtt gggtatatac aaatatgtca 300
 ttttatgtaa gggacttgag tatacttgga tttttggtat ctgtgggttg gggggacggg 360
 ccaggaacca ataccatg gataccaagg gacaactgta cttatttacc tttattgtca 420
 ttgcaagctt cttatggaaa ctttatagga atgaaaatat acatgttaag aagattaaac 480
 attagatagt agatggtttg ttgcatgcta gaactgttag tattgttgaa tcaattactt 540
 tggtttcatg aaaaaataaa cgataaatat ctttaaagag aactagaaga attttttgtt 600
 tgagtnatc cangtgnag tatgatcntt tactgaagta gtttgattgg ctggctaaac 660
 ttanaattat tggtttcttg gtttgtaact gccantagg gttantaatt gtaangataa 720
 aaatggtntg tgtggnntaa agggaaatta ggtgngggtt aaaaatcttg ggaaaatttt 780
 ccgaac 786

<210> 3270
 <211> 784
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(784)

<223> n = A,T,C or G

<400> 3270

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tgtttctgtg	taccttacia	gtctatatat	aaatttttct	tctcttgaca	gggttntatc	180
tatatnnccc	aagtnacccc	taattctttt	agaataaggc	agaaaataaa	tcaacgtaaa	240
ggttgagacc	aagccagaga	cagctggcca	aagtagctgg	ttcagggata	taacctgcaa	300
gttgccaacc	cagcgcatte	ttctcacctt	tcttccaccc	tacgaaaggc	catatcttac	360
aagagatgct	ggtaaatgcc	anacattcac	tgngtnaggc	ttnctcacan	ctagcagtgg	420
catgagatca	gttcaatcca	atgacactga	aatggaactc	tccaagttag	tttctgcaaa	480
agacttctct	gttaacaggg	agttnttaag	ggaaatattg	caccttcctt	tccccgtctt	540
tttcaatcna	ngcatgatgt	cnggtgctac	cngnaaccca	tactgcnaaa	catgagggca	600
aatgagcctg	ngggaattta	aanctntaac	actaattnaa	gangaaaaaa	gatgcagaan	660
cctngatcct	tantggncca	tnattttaanc	cccttggacc	cactttttga	aaccagncct	720
ctanaaccta	tnngtgagtc	nnntttactn	ggatcccnta	actngataag	aancnttgn	780
ntcc						784

<210> 3271

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(762)

<223> n = A,T,C or G

<400> 3271

cacatcmttt	gctctngttc	tttttgacgg	atcccacga	ttcgagacag	ctctccsata	60
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ctggctactg	ctctgtgttt	acagacgtgt	gcagttgtag	gcatgtagct	acaggacatt	180
tnnannggcc	caggatcggt	ttttcccagg	gcaagcagaa	gagaaaatgt	tgtatatgtc	240
ttttaccogg	cacattcccc	ttgcctaaat	acaagggctg	gagtctgcac	gggacctatt	300
agagtatttt	ccacaatgat	gatgatttca	gcagggatga	cgatcatc	acattcaggg	360
ctattttttc	cccacaaacc	caagggcagg	ggccactctt	agctaaatcc	ctccccgtga	420
ctgcaataga	accctctggg	gagctcagga	aggggtgtgc	tgagttctat	aatataagct	480
gccatatatt	ttgtagacaa	gtatggctcc	tccgtatctc	cctcttccct	aggagaggag	540
tgtgaagcaa	ggagcttaga	taagacaccc	cctcaaacc	attccctctt	caggagacct	600
acccttcaca	ggcacangtc	ccccaaatga	gaagtctgnt	acccctcatt	tcttnatctt	660
tttacttaaa	ctcaagaggc	agtgacaggn	agtcaggggc	aagacattac	atttttcata	720
ctttcccaca	tctgaaaaga	tgacagggga	aactgcaaag	cc		762

<210> 3272

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 3272

ccttttctaa	tgttgccat	ttnaatcctt	gttgatccct	cgattttaat	tcggcacgag	60
gcactgcgtc	aagccactcc	tggagaagaa	tgatgtggag	aaagtgggtg	tggtgatttt	120
ggataaagag	caccgcccag	tggagaaatt	cgtctttgag	atcaccacagc	ctccactgct	180
gtccatcagc	tcagactccn	tgttgnctca	tgtggagcag	ctgctccggg	ccttcacacct	240
gaagatcagc	gtgtgcatg	cgtcctgga	ccacaacccc	ccaggctgta	ccttcacagt	300
cctggtgcac	acgagagaag	ccgccactcg	caacatggag	aagatccagg	tcatacaagga	360
tttcccctgg	atcctggcgg	atgagcagga	tgtccacatg	catgaccccc	ggctgatacc	420
actaaaaacc	atgacgtcgg	acatttttaa	gatgcagctt	tacgtggaag	agcgcgctca	480
taaaggcagc	tgaaggggca	cctgcacccc	actgatgccc	aaactgtcag	actttggggg	540
atccccgcct	tagggcagtg	ctgcatggct	gccctgattc	caaagtgtct	ttatcgccctc	600
tgtgtgtggg	atcgcccccc	ccaaccccgg	ggccgcttna	gtcttgcttg	gnaggatgcc	660
ttccccccag	anggcagtg	ngggatgccg	caacctngac	ttnttannct	cctgggggtt	720
ccgcggggcn	aaaactggct	gncttaaata	ctgggcttgg	nagttgtttc	aataaaaggc	780

<210> 3273

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (926)

<223> n = A,T,C or G

<400> 3273

gnnnnnnttn	tanncccttt	tcnaatnctt	ggaatttgac	ntcgttgtnt	gatcccatcg	60
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tgaagagcat	tgntgaagag	ttaggaggtc	tccctttgtc	ctacattntc	cgntttttta	180
gaatgagaag	atgagaacga	cctccagttc	acatgacggc	tgcngngagg	atccagtang	240
ggagatacag	tgctcagcac	caagcatgtg	caagttagca	caatccaatt	ttacatcatg	300
ttaccctccc	aggacagttg	ctttgacgtg	gaaggatatag	agggagttga	aagganggtt	360
tgcatggttg	gcagangtgc	cctgcagcct	tccttttcaa	gctgnaance	gttntgncce	420
ncctggaaac	ngttggaaag	tgtgtggtat	ggnatgaaga	tcccattttg	actctgttcn	480
tgatcttgnt	tactnaagtg	anccttggtc	nttgacngta	ttggatgatn	cattgatccct	540
anctatccct	taactggteg	ggtgntgctn	cngggggaca	ttgntttttn	nncaatttcc	600
aatgcatncc	ttnnngnanc	tntttcctgt	cacancanc	caattnaatt	natancctgt	660
gnattngaag	ccnaanttcc	cagggccgtn	ngntagtctn	tntaaaanng	ggntcaanta	720
aantttnnnt	atgangccnt	tngtataann	ttttntaacc	atnggnntnt	atgncnantt	780
ncaacctgng	gttntctctn	ataactnggc	ntttttgtaa	attcngntn	tnntntgata	840
atntacnttn	ttttcttttn	tnagnggctt	tatntcaaan	taatccncca	atanntaata	900
taattgttct	atnnatgna	ncngcc				926

<210> 3274

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 3274

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tctggcattt gtgctattgt tcattctctg tgaaggctgt tcatagttgc tatagcctgt      180
gttttagttt gtgatttcat caatcccatc tttccgcgng antaatgcat tctaaacatc      240
ctaccccact ttagaaacgg acgtggggaa cgcttggtca ttttaagcaa caataaattt      300
aggtgaatgt ccctaagtgt ttactgnttt tatccagtca aggatttgct tttccttgaa      360
catttgtttt aaattctggg gccaaaatgc aaaggagaag ttctattcaa aggcagtagt      420
tgaaatctat tatttttagt agcctacttg gcatttacta catcggtcac ttctccaggc      480
tgccctaaat taggttgatg gagtgagaca tgccaaacat tcacctttgg gaccatagca      540
tagttaaaaa taaatgtagt tggaatagct agcattgcag ctacagtagg ggaactgtag      600
tctantttcc ctcagaaaaa cccaaggagt tgaanggaca ggattttgnc tangcnaaaa      660
atctaagact cgtgcccttc tggtagatng gggttttaag actggaatgt gtaataggag      720
cactgccttt gcccaatcna atgantgaca ggttaactnn gaaaatggga caatcacatt      780
tccncttac                                     789

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<210> 3275

<211> 814

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(814)

<223> n = A,T,C or G

<400> 3275

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ttctgccaca caaagaactt ggggtgtaag gataaggcaa agctccaat cccatttttc      180
agttctccta ggatgcaccc ctcaggagc ctggccagag ttccgngcc cgtgagcgtc      240
agctgttgct ttattttcca tcaaagccct ctgagaagtg agacctcagc aattccggga      300
gccacataga gacagacttg gcaaggacc ccctggntct gagccagtag ctgccatctg      360
gaaattcttc ttttagcctc tccttagagg tgaatgtgaa tgaagcctcc aggcacccgc      420
tgaattttct aggccttgct taaagctcag aagtggttta ggcatttgga aaatctgggt      480
cacatcataa agaacttgat ttgaatgtt ttctataga aacagtgct aaagtgtacc      540
gnattatact tgatgttggt catttctcaa gtctatttc tcagntctat nattntagaa      600
cctangtcag ttctttaagn attataactg gncctacatt aaaaaaatgc ttctcgaaaa      660
aaaaaanna tnnnantaca aannaaaaan cttcgacctt taaaacctt ttggggngcn      720
gatttacctn ngaancccg cctgatnaga aanccntggt taaagtntgg anaaacccca      780
cctnnaaagg cnagggnaaa aaaaagcccn tttc                                     814

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<210> 3276

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(800)

<223> n = A,T,C or G

<400> 3276

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gnnnnnnttt nnnnnnnngt ttcnaatnct tggcattgat ccnttgnttg atcccttnat      60
tcgctgacaa cttgattggg ttctccttca ggtttgaagc gccctcgaga agtgtctaaa      120
ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag      180
tagactggta tcaagaatca gtcagcaagg aggcctcac cagacgccag tgccatgttc      240

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ttggacttct	cagcctccat	attcatgaac	taagtttttg	gaatccttag	gcttccacgt	300
gtggaaaagcc	tgagctaacc	tactggagga	tgagccatca	cctggagcag	attcaggcca	360
tcctagtgtga	agcctcccta	ggccaagcaa	ccgtccaact	accagacatt	gaccattcag	420
ccttgaacat	tcagcacaaa	gacaaaacag	accagaccag	aagagtccca	cagaatangg	480
gaaactattc	agagaaaact	taagccacta	agttttatgg	ngntttgttc	tgtagcagaa	540
gcataggcat	actgacaata	caaaccgaaa	tccttctaac	gtagtggacc	ttttcaggcc	600
agcatttttt	tcttgaaaac	ctggagcatg	tattccatct	tatagcagag	atcactttca	660
caatggttgg	ggctcttggg	tttggaatgg	atgatgtaat	gaagccctct	tntncagatt	720
ggnaactaat	tactcttggg	gaattgactn	ggattccaca	ccccttctta	anaattntac	780
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<210> 3277

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (817)

<223> n = A,T,C or G

<400> 3277

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cgattcgaga	aatcggaaca	aaagtagaag	ttgtggaaag	gaaagaacat	ttgcatactg	120
acattttaaa	acgtggctct	gaaatggaca	acaactgctc	accaaccagg	aaagacttca	180
ctgaagatac	catcccacga	acacaggata	gaaagaanga	anccccgcct	gtatttttcc	240
agcaaataa	acaaagaagc	tcttagcccc	ccacgacgta	aagcctttaa	gaaatggaca	300
cctnctcggt	caccttttaa	tctcgttcaa	gaaacacttt	ttcatgatcc	atggaagctt	360
ctcatcgcta	ctatatttct	caatcggacc	tcaggcaaaa	tggcaatacc	tgtgctttgg	420
aagtttctgg	agaaaagtac	cttcagctga	ggtagcaaga	accgcagact	ggagagatgt	480
gtcagaactt	cttaaacctc	ttggtctcta	cgatcttcgg	gcaanaaacc	attgtcaagt	540
tctcagatga	atacctgaca	aaagcagtgg	aaagtttnc	attgagcttc	atgggattgg	600
gaaatatggc	aacgactttt	taccgaatt	ttttggggcn	aatgaagtng	gaagcaaggt	660
gcaccctgga	gaaccccaa	nttaaattna	attttcatga	cttggctttt	gggaaaaaaa	720
anactgctt	nttaaaazaa	aaatttggag	cctttttgaa	cttttggggn	gtcggnttca	780
cctagatccg	gaccttgnta	agntnctttg	gntggnc			817

<210> 3278

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (785)

<223> n = A,T,C or G

<400> 3278

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ggagacagtt	gatagccaaa	caacagtttt	ggattcactg	actgattatg	aaagaagcag	180
tagactggta	tcaagaatca	gtcagcaagg	aggccctcac	cagacgccag	tgccatgttc	240
ttggacttct	cagcctccat	attcatgaac	taagtttttg	gaatccttag	gcttccacgt	300
gtggaaaagcc	tgagctaacc	tactggagga	tgagccatca	cctggagcag	attcaggcca	360
tcctagtgtga	agcctcccta	ggccaagcaa	ccgtccaact	accagacatt	gaccattcag	420
ccttgaacat	tcagcacaaa	gacaaaacag	accagaccag	aagagtccca	cagaataggg	480

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gaaactattc agagaaaact taagccacta agttttatgg tgttttgttc tgtagcagaa 540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcangcc 600
agcatttttt ccttgaaaac ctggagcatg tatccatctt atagcagaga tcactttcac 660
aatgggtggg ctcttggatt tgaattgatg atgtaatgag ccctctttnc ngattgnaac 720
ttaattactc tgggnatttg ntggattccc aaccttctaa tatttacttt tcctctttan 780
taanc 785

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<210> 3279
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (785)
<223> n = A,T,C or G

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<400> 3279
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ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag 180
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ttggacttct cagcctccat attcatgaac taagtttttg gaatccttag gcttccacgt 300
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tcctagttag agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag 420
ccttgaacat tcagacacaa gacaaaacag accagaccag aagagtccca cagaataggg 480
gaaactattc agagaaaact taagccacta agttttatgg tgttttgttc tgtagcagaa 540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcangcc 600
agcatttttt ccttgaaaac ctggagcatg tatccatctt atagcagaga tcactttcac 660
aatgggtggg ctcttggatt tgaattgatg atgtaatgag ccctctttnc ngattgnaac 720
ttaattactc tgggnatttg ntggattccc aaccttctaa tatttacttt tcctctttan 780
taanc 785

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<210> 3280
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (785)
<223> n = A,T,C or G

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<400> 3280
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ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag 180
tagactggta tcaagaatca gtcagcaagg aggccctcac cagacgccag tgccatgttc 240
ttggacttct cagcctccat attcatgaac taagtttttg gaatccttag gcttccacgt 300
gtggaaagcc tgagctaacc tactggagga tgagccatca cctggagcag attcaggcca 360
tcctagttag agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag 420
ccttgaacat tcagacacaa gacaaaacag accagaccag aagagtccca cagaataggg 480
gaaactattc agagaaaact taagccacta agttttatgg tgttttgttc tgtagcagaa 540
gcataggcat actgacaata caaaccgaaa tccttctaac gtagtggacc ttttcangcc 600
agcatttttt ccttgaaaac ctggagcatg tatccatctt atagcagaga tcactttcac 660
aatgggtggg ctcttggatt tgaattgatg atgtaatgag ccctctttnc ngattgnaac 720

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ttaattactc tgggnatttg ntggattccc aaccttctaa tatttacttt tcctctttan 780
taanc 785

<210> 3281
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (800)
<223> n = A,T,C or G

<400> 3281
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ggagacagtt gatagccaaa caacagtttt ggattcactg actgattatg aaagaagcag 180
tagacttgta tcaagaatca gtcagcaagg aggcctcac cagacgccag tgccatgttc 240
ttggacttct cagcctccat attcatgaac taagtttttg gaatccttag gcttccacgt 300
gtggaaagcc tgagctaacc tactggagga tgagccatca cctggagcag attcaggcca 360
tcctagtga agcctcccta ggccaagcaa ccgtccaact accagacatt gaccattcag 420
ccttgaacat tcagcacaaa gacaaaacag accagaccag aagagtccca cagaatangg 480
gaaactatc agagaaaact taagccacta agttttatgg ngntttgttc tgtagcagaa 540
gcataggcat actgacaata caaacgaaa tccttctaac gtagtggacc ttttcaggcc 600
agcatttttt tcttgaaaac ctggagcatg tattccatct tatagcagag atcactttca 660
caatggttg ggctcttgga tttggaatgg atgatgtaat gaagccctct tntncagatt 720
ggnaactaat tactcttggg gaattgactn ggattccaca ccccttctta anaattntac 780
tttntctctt tttatcaaac 800

<210> 3282
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (828)
<223> n = A,T,C or G

<400> 3282
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ggatcgcttg agcccancag gtcaaggcta cantnagccg tgatcatgcc actgcactnc 180
aaactgngng acacagngag accctgtctn ttaacaacan ancccatgag cggcangccc 240
cccagtctgg atggtggtaa agaatcctta agatcaaacc cagcagtg ctaaaagcttg 300
gcctgattct agggctgggg ctggacaaac tgctanagat natgccgata gccngtgtga 360
tccccctgnc ctgatngtna anggcatagt gcagantgga accctttccc tccccaaaan 420
attcagacct gnngggctga gtgggcctta ttgagtcccc aaagtcttga gaanctnggt 480
ntctggcttt tagccttcag ctttcttagg ttntgatgca atnagttgng tccccctgcc 540
ctttcttg ccatgacttn cgaangaang gtttncnggg ttgcntggga ancnttnc 600
naacngcctn ttanccaccn naagnttttn nngaatacanc acttccctnn gggggggaat 660
acttttaaat nccggaagnc ctttnaacnc ctttgggntc cttccccnga ntacccaagc 720
ttnaaatcca aaattaccgg natcnttagg gctttgtagc ntntgggttn ggntttgcnt 780
ntttttctt aanccttntt tnaataaacc aatttcttnt gnnacncc 828

<210> 3283

<211> 898
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (898)
 <223> n = A,T,C or G

<400> 3283

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cacnggatta	cctncaaate	tcaaggcggc	cttgaacatt	gagaaagaac	taccaaaagcn	120
tagacacgtt	ttcagaagga	agacagcctc	ctccaggagc	atcttaccgg	acctcttggtc	180
accgtacca	atggcgatcc	gagcnanccg	actggangag	agccgagcgg	cggcgctccg	240
agagctccag	gagaagcagg	ctctgatgga	gcagcagaga	cgagagaaaa	gggcaactgca	300
ggagtggaga	gagcgagccc	agaggatgag	gaagaggaag	gaagagctca	gcaaactcct	360
gcctccgcgg	aggancatgg	tggcatcaaa	gattcctctg	ccacanatct	gatagataac	420
aggaaagtcc	caactgaatcc	gcctggaaaa	atgaaaccaa	gcaaagagaa	atcgccacan	480
gcaagtaang	aaatgagtg	cctgcangag	agaaatttag	nagagaagat	tnaacagacc	540
gttcttcaaa	tgcgttttag	cnangaagan	ttccttgggc	tatgccccca	cttggtaagg	600
aanattnatn	naaaaggcct	nncctnang	gnttctgggg	aaaatttggc	ccaccantat	660
gnttnnctg	ggnatttgaa	aaantatttt	tgganaaagc	cttaaanaat	tttgggggga	720
atttaaacc	tttggttaacc	caataggtat	ttggtatnta	actgggggtn	ggngnncctt	780
tnacttgggg	aaaacntttt	tccctttggg	cccttngccc	tgtcagcnac	naatgctttt	840
taaaaattnc	cttttatttt	taacctcnan	atattttggg	ttaaattatt	angnancc	898

<210> 3284
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (705)
 <223> n = A,T,C or G

<400> 3284

nctaagtctg	ggctctcggt	ctttccgcag	gancccatcg	attcgaaaaa	ttgtgatgta	60
agtggtagag	tggggagaat	ttagggctct	cagaatgcag	aaaactagcc	acctccagtt	120
ctgtgcctga	ccaccatctg	actttggata	aatcccttct	gctctccac	ctagctttat	180
catttgtaaa	atgagtctct	aggtacagcc	ctttctgggg	ttgagacaga	gtttctgagg	240
agtaaaagcc	atgtcattgt	ggaaacaggc	agctattctc	acagctggca	tgagcccact	300
actcccctat	aatcagtgtc	gataaactgc	tctcatttgt	tggacttcag	actttcctga	360
cccactttga	atggggggcca	ctttgaatgg	aaactttcta	tgtattgaat	taaaagatct	420
ccaagataaa	tggttaaatg	aaaaagcaca	gtgcaaatg	gtgcatatga	tatcctacct	480
tttgggtaaa	ataaaaaaaa	aaaaaaaaaa	aaaaaactcg	agcctctaga	actatagtga	540
gtcgtattac	gtagatccag	acatgataag	atacattgat	gagtttggac	aaaccacaac	600
tagaatgcag	tgaaaaaaat	gctttatttg	tgaaatttgt	gatgctattg	ctttatttgt	660
aaccattata	agctgcaata	aacaagttaa	caacaacaat	tgcat		705

<210> 3285
 <211> 701
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(701)
 <223> n = A,T,C or G

<400> 3285

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gnngnnctaa tgctggctac ttgttctttt ngcaggatcc catcgattcg aattcggcac      60
gagttttacat tttgtttgaa tcaggatcca aataaggttt aaatattgca atttgattaa      120
tacattaaga ttcttttaaat ctataagttc ctgctccatc tgtcatttta tttttatccc      180
ttgaaattta tttattgaag aaactatata ctttgctttg taaaattttc cacagtgtgg      240
ctggcttttg ctgattgcta gcgtcatttg ctatttattt ttgtcctgta tcttgatct      300
ggcgccctga tcagatttaa gttgattttt ggggacgtaa ttacttcata ggtattatgc      360
atthttggat agaggagtaa agtagtgaaa gtaatgtttt taggatgggt tgtctggcag      420
cagtgtgcaa aatgaattgg tagaggagaa atggagagct gcgaattaga aggcagggtc      480
aatcagtgcg ggaaggaaag gctacagtaa ggcagaggca gggaaaagaa aggcaataga      540
gatgagagag atthtgaaag aaggaatttt caataccttt taggcttaac tataagaaat      600
ggagagtcgg ctgggcatgg tggctcatgc ctgtaatccc agcacttttg aaggccaagg      660
ccagtggatc acctgaggtc aggagttcaa gaccaacctg c                          701

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<210> 3286
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(705)
 <223> n = A,T,C or G

<400> 3286

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actaatggtg ngtnctcgt ncttccgcag gancnngcg ntgtcgattt cggcacgaga      60
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tgattatgaa agaaataagg cacaaccaca gtttttcttt cttaaatttc atcactgttg      180
atgtggttct tttgtgttaa aaaaaaaaaa tgcaactatc aaaactaaaa aattatagag      240
taatattgcc gttctgctga ttttaaatat acaatacatc atacatactt tacaagcaag      300
ttaaatggag ataaagttga aatcatcgaa gatgcaaatg acctttcaaa atcaacgaa      360
tgtgttctga aactttcgtg actaatacca tgcattctgt atcaatgaac tatgtggttt      420
tgaatcggat gtagaccatt agtactacta cttgagctaa acttctgcat ggttcataat      480
ttttaaagtg ttagttaa atgcatgtta tgcctcttcc ttccattctt aacagtatgt      540
gccatttgc aaaaacaaaa tgctaataat cagtaaatag cctataaaaag atgttaactc      600
tgtttagtca ttgactgata ttgctctaac cttaaaattt tgtgattatt gacctctgtt      660
gcatttatcc taaagcccc caaaaattat ctagccgttt cgaag                          705

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<210> 3287
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 3287

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nctaagtctg gctatngttc tttntgcang atcccatcga ttcgaaattcg gcacgagcca      60
agcgcagccg attctgcccc ctacgattgg ttcggggact tctcctcctt ccgtgccctc      120
ctagagccgg agctgcggcc cgaggaccgt atccttctgc taggttgccg gaacagtgcc      180

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ctgagctacg	agctgttcct	cggaggcttc	cctaattgtga	ccagtgtgga	ctactcatca	240
gtcgtggtgg	ctgccatgca	ggctcgctat	gcccattgtgc	cgcagctgcg	ctgggagacc	300
atggatgtgc	ggaagctgga	cttccccagt	gcttcttttg	atgtggtgct	cgagaagggc	360
acgctggatg	ccctgctggc	tggggaaacga	gatccctgga	ccgtgtcctc	tgaagggtgc	420
cacactgtgg	accagggtgtt	gagtgagggtg	agccgcgtgc	ttgtccctgg	aggccggttt	480
atctcaatga	cttctgctgc	cccccacttt	cggaccagac	actatgccc	agcctattat	540
ggctgggtccc	tgaggcatgc	tacctatggc	agcggtttcc	acttccatct	ctacctcatg	600
cacaagggcg	ggaagctcag	tgtggcccag	ctggctctgg	gggcccacaa	cctctcacc	660
cccagacctn	ccacctcacc	ttgcttcctt	caggactcaa			700

<210> 3288

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 3288

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gagctgtgat	ctgccccag	gtattctgac	ccccaaactg	gctctcaacc	atgtttacat	120
gatgaaaaga	agagggtgact	gttgatcag	ctctaaaggc	ctcacttttg	gtgaaatggg	180
acctaaatth	gattgcatac	ttgattactt	gctgtcaata	ctgaaattgg	cacttcataa	240
ttttaatact	attgaactth	caccataacc	ctgtcctata	aagttgactt	gcaaatgaag	300
aaactctatc	tcttcaatat	tataaaatat	atccaagagt	cacaactagt	gagaaaagga	360
caggatctaa	ctaacaatgt	gaggctgtgt	cttcacacca	attcaacaga	gtatcttgta	420
aatgttgaga	ggagagggtac	tttaggtcat	gggtgtcttt	caataagtgc	tttagaaaac	480
aggtgacaac	tgattggggc	ttgaggtatg	aatggattta	gccaggcaat	taaataggaa	540
agcagatact	caagacagat	taaaacagct	tgagagaagt	gaaatgagca	agtgtgaagac	600
aattgatact	gtccatggat	tttagaaaagt	gtgaagtggg	gtgatttgta	tgaagcttga	660
aagattgcct	ggggccaggc	tgttgaangc	ttggtttgct	tant		704

<210> 3289

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 3289

gtacaatgcn	ggngctcgt	tctttccgca	ggatcccneg	atgcgaattc	ngcccagagca	60
gagctgtgat	ctgccccag	gtattctgac	ccccaaactg	gctctcaacc	atgtttacat	120
gatgaaaaga	agagggtgact	gttgatcag	ctctaaaggc	ctcacttttg	gtgaaatggg	180
acctaaatth	gattgcatac	ttgattactt	gctgtcaata	ctgaaattgg	cacttcataa	240
ttttaatact	attgaactth	caccataacc	ctgtcctata	aagttgactt	gcaaatgaag	300
aaactctatc	tcttcaatat	tataaaatat	atccaagagt	cacaactagt	gagaaaagga	360
caggatctaa	ctaacaatgt	gaggctgtgt	cttcacacca	attcaacaga	gtatcttgta	420
aatgttgaga	ggagagggtac	tttaggtcat	gggtgtcttt	caataagtgc	tttagaaaac	480
aggtgacaac	tgattggggc	ttgaggtatg	aatggattta	gccaggcaat	taaataggaa	540
agcagatact	caagacagat	taaaacagct	tgagagaagt	gaaatgagca	agtgtgaagac	600
aattgatact	gtccatggat	tttagaaaagt	gtgaagtggg	gtgatttgta	tgaagcttga	660

aagattgcct ggggccaggc tggtgaangc ttggtttgct tant

704

<210> 3290
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 3290
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 agatcccttc agttcaaac ataatgtgat tgtgggcaga aatggatctg gaaaaagtaa 120
 ctttttttat gcaattcagt ttgtttctcag tgatgagttt agtcatcttc gtccagaaca 180
 gcggttggtt ttattgcatg aaggtagctg tcctcgtgtt atttctgctt ttgtggagat 240
 tatttttgat aattcagaca accggttacc aatcgataaa gaggaagttt cacttcgaag 300
 agttattggt gccaaaaagg atcagtattt cttagacaag aagatgggtc cgaataatga 360
 tgtgatgaac ctcttgaaa gcgctggttt ttctcgaagc aatccttatt atattgttaa 420
 acaaggaaag atcaaccaga tggcaacagc accagattct cagagattaa agctattaag 480
 agaagtagct ggtactagag tgtatgacga acgaaaggaa gaaagcatct ccttaatgaa 540
 agaaacagag ggcaaacggg aaaaaatcaa tgagttgtta aaatacattg aagagagatt 600
 acatactcta gaggaagaaa aggaagaact agctcagtat cagaagtggg ataaaatgag 660
 acgagccctg gaatatacca tttaaatca ggaacttaac 700

<210> 3291
 <211> 704
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n = A,T,C or G

<400> 3291
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 ctttctgtaa taaggatttg aagccacaga catttagaaa tgcttatgac ataccaagac 120
 gaaatctttt ggatcactta acaagaatga gatctaactt tttgaagagc actcgcagat 180
 ttctgaaagg acaggacgaa gatcaagtgc acagtgttcc tatagcacia atggggaact 240
 accaggaata cctcaagcaa gtaccttctc cactaagaga acttgatcct gatcagccac 300
 gaagggtgca tacatttggc aacccttcta agctggataa gaagggtatg atgatagatg 360
 aagcagatga atttgtggct ggacctcaaa ataaacataa acgacctgga gaaccaaata 420
 tgcaagggat ccctaaaaga cgtcggtgta tgtctccact actaagaggc agacagcaga 480
 atcctgttgt aaacaatcat attgggggaa aaggaccacc tgcacctaca actcaagcac 540
 agccagatct tattaacact ctctctcttc ataaaatttc agaaaccact aatgattcga 600
 taatacatga tgtggttgaa aatcatgttg cagaccaact ttcatcagac attacaccaa 660
 atgctatgga tacggaattt tcagcatctt ctncagccag ttag 704

<210> 3292
 <211> 701
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (701)
 <223> n = A,T,C or G

<400> 3292

ctaagtctgg	ctnttggtct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgagccca	60
catgtaccag	gttgagtttg	aagatggatc	ccagatagca	atgaagagag	aggacatcta	120
cacttttagat	gaagagttac	ccaagagagt	gaaagctcga	ttttccacag	cctctgacat	180
gcgatttgaa	gacacgtttt	atggagcaga	cattatccaa	ggggagagaa	agagacaaag	240
agtgtgagc	tccaggttta	agaatgaata	tgtggccgac	cctgtatacc	gcactttttt	300
gaagagctct	ttccagaaga	agtgccagaa	gagacagtag	tctgcataca	tcgctgcagg	360
ccacagagca	gcttgggttg	gaagagagaa	gatgaaggga	catccttggg	gctgtgccgt	420
gagttttgct	ggcatagggt	acaggggtgtg	tctctgacag	tggtaaatcg	ggtttccaga	480
gtttggtcac	caaaaataca	aaatacaccc	aatgaattgg	acgcagcaat	ctgaaatcat	540
ctctagtctt	gctttcactt	gtgagcagtt	gtcttctatg	atcccaaaga	agttttctaa	600
gtgaaaggaa	atactagtga	atcacccaca	aggaaaagcc	actgccacag	aggaggcggg	660
tccccttggtg	cggcttangg	ccctgtcagg	aaacacacgg	g		701

<210> 3293
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (705)
 <223> n = A,T,C or G

<400> 3293

nctaagtctg	ggctctcggt	ctttccgcag	gancccatcg	attcgaaaaa	ttgtgatgta	60
agtggtacag	tggggagaat	ttagggctct	cagaatgcag	aaaactagcc	acctccagtt	120
ctgtgcctga	ccaccatctg	actttggata	aatcccttct	gctctccac	ctagctttat	180
cattttgtaaa	atgagtctct	aggtacagcc	ctttctgggg	ttgagacaga	gtttctgagg	240
agtaaaagcc	atgtcattgt	ggaaacaggc	agctattctc	acagctggca	tgagcccact	300
actcccctat	aatcagtgct	gataaaactgc	tcttcatttgc	tggacttcag	actttctctga	360
cccactttga	atggggggcca	ctttgaatgg	aaactttcta	tgtattgaat	taaaagatct	420
ccaagataaa	tgggttaaatg	aaaaagcaca	gtgcaaaatg	gtgcatatga	tatcctacct	480
tttgggtaaa	ataaaaaaaaa	aaaaaaaaaa	aaaaaactcg	agcctctaga	actatagtga	540
gtcgtattac	gtagatccag	acatgataag	atacattgat	gagtttggac	aaaccacaac	600
tagaatgcag	tgaaaaaaat	gctttatttg	tgaattttgt	gatgctattg	ctttattttgt	660
aaccattata	agctgcaata	aacaagttaa	caacaacaat	tgcatt		705

<210> 3294
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (710)
 <223> n = A,T,C or G

<400> 3294

gnnnctaagt	gcngggctct	cgttctttct	cgcaggatcc	cnncgattcg	aattcggcac	60
gagctctatc	ttgtttattg	ttgatgccat	cttagaggaa	aaaatgtaaa	ggtaagtaat	120
taagcatatg	acagcaacaa	ataagatact	tataacctaa	tgggacttta	ttttgtagtt	180

ttatgtatta	caaaaaatcc	acctttctct	aaggggaagt	ttgtacccca	ttgattcttg	240
gtgcccttgg	gacgactgg	gttttaatgg	cctagttatt	tgaggatttt	gctgtgttgt	300
tttccatgtc	ttctctggtc	accttggtatt	atatataaaa	atacaggaaa	tagataaaca	360
tgaatgtgat	taataatgct	gaaaaagtat	tagcctacca	aagacacact	caggcttttag	420
tgaataactt	tacataacct	cagtttttaa	cacatgcata	tcttctccaa	ccatgaaatc	480
aaagcacggt	gcagaacttg	taccaagtac	aaaaggcca	tgtatgatta	gcattatttt	540
cttttgcttt	tgtttatgga	caatgttcag	ctgacataag	cagaagttgg	ccaaaatact	600
gctgtactg	ttaatttcct	gtataattca	cttaaataaa	agcagggtta	cctcaatgat	660
agcagttaaa	atgttctatc	ttatgtattt	cttttaagta	ttaccattan		710

<210> 3295

<211> 1073

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1073)

<223> n = A,T,C or G

<400> 3295

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aaagagtgcg	ggcgcatcga	aaacttgtgg	aagaacagaa	tgagagaaag	gcgaggaaag	180
ccgaagagat	gaggcggcag	cagaagctaa	agcaggccaa	actgggtggag	cantncatat	240
annanntctg	gtcgnctntn	gnctntttgt	ttantcnnat	ccntccccct	ncnctcctc	300
tnntccnccc	tcttatnact	tctntnttcc	ntctttnttc	tntnccccct	tcnctctnna	360
tcttccnntt	ntnntntncc	ntcccttctc	ncnctnctc	ttctctctnt	cctcttcatt	420
ctntccnctc	ccttctctct	tctactctcn	tctctctctc	tctctattct	cttctntcnn	480
tntcttctcc	tatccactna	cttctntctc	ctctcatccn	atctcatnnc	tctctctcat	540
ncntanntct	tctctccact	ttctctctac	natntctcnc	tactctctna	tcanaanacct	600
cttntccntc	ttctatcnct	ctctactnct	ctctctctct	tactatctct	ctntctnttc	660
tttctcttnc	ntctctcac	ttctactnt	tatttctctn	nttctcatca	gtctcttntc	720
atctctttct	ctnctgttta	ctntctnctc	ctctatctct	tntctatntc	ccttctctct	780
cctctctatnt	ctanatcatn	tctctntcat	ctnctctctc	cccttctcatc	cgctctctacc	840
aantncttnt	actngctncc	tctnctnctc	ttcttttcca	tattctctct	ctcttctntn	900
ttctnactct	ctccctctct	ctctnttctc	actgctgtgt	tctncaactnn	ctccttanct	960
acancatna	ctcacctcat	ctcatctctc	cnctctnctc	tctctcncat	ntntttctct	1020
ncttntatc	catcttctnt	ctntcctctt	ctctcacact	acttntctct	nnt	1073

<210> 3296

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(706)

<223> n = A,T,C or G

<400> 3296

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ccgaagaaaa	agactgtggt	ggcgagatg	ctctctccaa	tgcatcaag	aaacacagaa	120
caagtttgcc	ttctcctatg	ttttccagaa	atgacttcag	tatctggagc	atcctcagaa	180
aatgtattgg	aatggaacta	tccaagatca	cgatgccagt	tatatttaat	gagcctctga	240
gcttcctaca	gcgcctaact	gaatacatgg	agcatactta	cctcatccac	aaggccagtt	300

cactctctga	tcctgtggaa	aggatgcagt	gtgtagctgc	gtttgctgta	tctgctgttg	360
cttctcagtg	ggaacggact	ggaaaacctt	tcaaccact	gctgggagag	acttatgaat	420
tagtgcgaga	tgaccttgga	tttagactca	tctccgaaca	ggtcagccat	caccaccaa	480
tcagtgcatt	tcattgctgaa	ggattaaaca	atgacttcat	ctttcatggc	tctatctatc	540
ccaaactgaa	attctggggg	aagagtgtag	aagcagaacc	caaaggaacc	atcaccttgg	600
agctccttga	acacaatgag	gcataacat	ggacaaatcc	cacctgctgt	gtgcataata	660
tcattgtggg	taaactgtgg	atcgaacagt	atggcaatgt	ggaaat		706

<210> 3297

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (709)

<223> n = A,T,C or G

<400> 3297

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ccttgggatg	cccaccaggc	ccagggatcc	acctagggtg	gtttggcaac	cctgggtgatg	180
gcagtggtag	tggcacatcc	tgcttttgca	gccagccctc	cgtcacacgg	actgtgcaga	240
aggatggacc	caacaagggg	cgccagtcc	acacatgtgc	caagccgaga	gagcagcagt	300
gtggcttttt	ccagtgggtc	gatgagaaca	ccgctccagg	gacttctgga	gccccgtcct	360
ggacaggaga	cagaggaaga	accctggagt	cggaaaccag	aagcaaaagg	ccccgggcca	420
gttctcaga	catgggggtc	acagcaaaga	aaccccgga	atgcagcctt	tgccaccagc	480
ctggacacac	ccgtcccttt	tgtctcaga	acagatgagc	tcagggtagg	gtagagaacg	540
ccactttctc	agacctgtcc	cctttgtgtt	tagaaatgag	ttaaccagga	ccaagtggcc	600
atttagtgtc	ctggaaaact	agaggacagt	gttggccctt	ggagtcgggc	cttcttgtgt	660
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<210> 3298

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (709)

<223> n = A,T,C or G

<400> 3298

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tgtctctgga	gacccttgac	ttggggaaat	atggaggggt	gtgtgtctgc	aatcaaggcc	120
tctgcagctc	acggctggcc	cggtgggctg	ggacttccgt	ctgaatttta	aatacttagg	180
gttcattttt	ttttctctgg	caacaaagct	tgatgttttc	actgctttag	tttctgtttt	240
gctggtggga	ggggatacgg	tctgtgactc	tggacttgct	ctgggggaac	agttgtcact	300
gcccccgggg	agaggggcag	cttgggctgg	agaagcacag	ccagagacag	agccctcga	360
gagggatcct	tggctgcttc	attgtcttcc	ccccagcaag	ccctgctctc	cacaggcacc	420
tctggggctc	tggatgggtc	cccgtcacc	tccttcaga	gtcctgagtg	gtgtgggtgt	480
gggtggcaca	gcatctgggg	catgggangg	gtcagagctt	ccagagcccc	ntgtcctgnc	540
anactcagct	ngtgggctgg	ngtgttaacc	ccagtctctg	cgtangttta	cagctctca	600
aggtaantng	ncctctgntc	tcctgggana	nangntcnn	tnatgatccc	taccaaagca	660
catgtnggat	naaggctgnc	nnntgcnttg	nntcganagc	cngaagccc		709

<210> 3299
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (783)
 <223> n = A,T,C or G

<400> 3299
 gtaantaatt anctgnagct cgaantagcc taaacanatt ggctngncga attcggcacg 60
 agacccgagg ctccgtgtac taggtgcgaa tgccgccttc tgtggtgacc actgtcttct 120
 catcctttgc acctatagga ggtgagtgcc tttggggaag acggcgaggg cgacgacctg 180
 gacctatgga cagtgcgctg ctctggacag cactgggagc gtgaggctgc tgtgcgcttc 240
 cagcatgtgg gcacctctgt gtctctgtca gtcacgggtg agcagtatgg aagccccatc 300
 cgtgggcagc atgaggtcca cggcatgccc agtgccaaca cgcacaatac gtggaaggcc 360
 atggaaggca tcttcatcaa gcctagtgtg gagccctctg caggtcacga tgaactctga 420
 gtgtgtggat ggtgggtgg atggagggtg gcagggtggg cgtctgcang gccactcttg 480
 gcagagactt tgggtatgta ggggtcctca agtgcccttg ngattaaaga atgttggtct 540
 atgaaaaaaa aanntnnccc antnccaan ncntctnncn nnanctcnnt tnntnctcc 600
 antttnnct ntncncccta ntctnccnct acttccnatn naccnataca tccccntcac 660
 ttnttaant ccnatnttan antngcnenc tnntcnnacn ntctctcat acntggtntn 720
 atcanttctc tanatctctc ctcnctctc cgnccgttna ctnttctctn tancactcac 780
 cct 783

<210> 3300
 <211> 705
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (705)
 <223> n = A,T,C or G

<400> 3300
 atgctgganc taatnctggc ntctcgcttct ttccgcagca ccnccgattc gaattcggca 60
 cgaggcctgc tgcttcatgc cgcggcgctc ctgctccacg tctctgtgct gctgggccct 120
 gcaactgtcg ccctgctgcg agcccacacg cccctccaca tggtgcctt cctctgctt 180
 ccctggctca tggtgtcac aggcagagtg tctctggcac agtttgctt ggccttcgtg 240
 acggacacgt gcgtggcggtg tgctgtgctg tgccgggctg ggctgctctt ccatgggatg 300
 ctgctgctgc gggggccagac cacatgggag tgggctcggt gccagcactc ctatgacctg 360
 ggtccctgcc acaacctgca ggcagccctg gggccccgct gggccctcgt ctggctctgg 420
 cccttcttgg cctccccatt gcctggggat gggatcacct tccagaccac agcagatgtg 480
 ggacacacag cctcctgact ccaggaagag ccagagctgt gcagggagga aggggtgaga 540
 ggggggcccc cacacctaga ctcaagtaagg aagtcgggtt ggaccttaac atctgcattg 600
 gacaactcca ccccttctt ggccttgccc ctgcccgcct acactcctac gtgtccaggg 660
 cttggggccc tgacttange agaggagtgc agaggagggt ctggc 705

<210> 3301
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (710)
 <223> n = A,T,C or G

<400> 3301
 tntctnaatn tgntnnecgna tcttgaggac ccatcggttca attccgnncc naggggggnan 60
 ctnccectac tccntggatg tgtgtacctc gcacacttcc ttctcccacc cctttttcca 120
 gttggatttg tttttctgtt ctcttctgtc ctgtcttata ctgcaactgt gtctcctagg 180
 ggacagatgg ccttctttgt catcttcact ctccaccccc agagaggagt cagagccata 240
 actcaatcac tcagccccctc caaagatagt tgatgtgtga taatctcata atgttgagaa 300
 ccctgatgag atacattgtc ttctctctcc tacaatgcct ctggggccaa ggcacccatt 360
 cttcttgcta tctccatcc cccttgaggc ttccactttt ttttttttta gacataaagc 420
 tgggcatcag caactggcct gtggtgatgc aaagctgctt tgctctgmat ctggctggac 480
 tgatctgtct cacaagaagc catgaggcca tagggagaag ctccctctcc ccttcattct 540
 ctgctccaaa ggtggtanac agaggagtac ccagttaggg gttggagccc ccatatnaca 600
 tcttctgtc agaagactga tggatctttt tcatcccaac catctccctt tccccccgat 660
 gaatgcaaat naaacttttg tgacaccagc aaccattgc tctttanaat 710

<210> 3302
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (709)
 <223> n = A,T,C or G

<400> 3302
 nnatgctggn nctaagtctg gctactngtt ctttnngcag gacccatcga ttccaattcg 60
 gcacgaggga ctaacttaca gaggagctgt gtatcctgaa gattcagcga ctggcaagga 120
 atttccttgg gagcaatgtg tgaggaggc catctgagga gatctgtggc tttcttttgt 180
 tgtgggaatc tggccttatg atgaatctac gacacaggat tgtgaaatta cagctctttg 240
 ggaacaaaag gaaggcagta ttgcatgact tagtttccca gcttcaactt ccctttggca 300
 tgggtgagttt ggggtcttga gagtctattt tctttcacac ccatcagcac tgttaagtta 360
 gcaggaagac aacctgaggt tgtctcttta ctttgagttc ctacataata aattgcagcc 420
 taatttagta cataaaccce aacctaatat aggagtaaatt tttttgtagc agatagccag 480
 atttcagcca atcacaggct tccagctaac aagactatgc ccaaataagg caaatgcctc 540
 atcacatgat gctcaaataa ggcagccacc taggcgaggc caatcaggta acttttctac 600
 tttgcttaat tgttcagcct gtacaaattt gctgcttatg actgctgagc agagctgtct 660
 aaacctcttc tggtttgag tgctgcctta tatatgaatt gttctttgg 709

<210> 3303
 <211> 712
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (712)
 <223> n = A,T,C or G

<400> 3303
 aacgctggmn ctaaatggct ggctatcggt ctttccgcag nanccentcg attcgaattc 60
 ggcagagct gcgacccctc ggaccagtgc ccgcccagc cccgctggag cagcctgtgg 120
 cagtggggac tcactctgct ggcggctcctc ctgcttctgc tgtgtggtgt cacagctggt 180

tgtgtccggt	tctgctgcct	ccggaagcag	gcacaggccc	agccacatct	gccaccagca	240
cggcagccct	gcgacgtggc	agtcacccct	atggacagtg	acagccctgt	acacagcact	300
gtgacctcct	acagctccgt	gcagtaccca	ctgggcatgc	ggttgcccct	gccctttggg	360
gagctggacc	tggactccat	ggctcctcct	gcctacagcc	tgtacacccc	ggagcctcca	420
ccctcctacg	atgaagctgt	caagatggcc	aagcccagag	aggaaggacc	agcactctcc	480
cagaaaccca	gccctctcct	tggggcctcg	ggcctagaga	ccactccagt	gccccaggag	540
tcgggcccga	atactcaact	accaccttgt	agccctggtg	ccccttgaag	gaggtaggag	600
aacggaccag	agcttggaga	actaatgctt	ggagccaagg	gccccagccc	accccaccgt	660
cccacacatt	gctgtggccc	caacctcggt	gccatgttac	accggcccct	gg	712

<210> 3304
 <211> 707
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(707)
 <223> n = A,T,C or G

<400> 3304						
gnanctaata	gcntgggcna	ctcgttcttt	ccgcagganc	cctcgattcg	aatcggcacg	60
aggagttttt	tgtgatattg	aggcattcat	acagagctgc	agttagacgg	ggttacgggg	120
gctaaaagca	gaaaaaaaaa	tccatttcat	cgggatggaa	ctgaaggatt	ttattctata	180
aagcggccct	ggttgaatct	ggcaattcct	tttgccaaga	tccttagcag	aagatttagc	240
catgtccttc	ccctcacttg	tgtgagtggc	cccttctgaa	tctctccagc	agccagaggc	300
acgtgagaag	cagaaagagc	tggtaaataa	agccttgggc	aagcgacttc	ttagatcaga	360
actcaccaaa	tggaagccta	gcagctgctc	cataaaccta	gccccattct	tcatatcaat	420
tttgatataa	tatatagaaa	cacacacaca	gcctcagact	tacaaactga	ttatactcta	480
aaagtttgta	tgtcagttag	ctaaaacttc	agaatacatt	tctccctata	aagagttata	540
aatgatgggt	tagttctcag	gcagctacaa	atgcctatct	attccctaata	gtacctgaac	600
actagtacca	tagaactgaa	ccaccatctg	tatcagcgca	tggggagtgt	gcattctgag	660
gtctaaccgg	gggtgccagg	aacacacaca	tcctccatcc	cagcata		707

<210> 3305
 <211> 707
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(707)
 <223> n = A,T,C or G

<400> 3305						
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aggagttttt	tgtgatattg	aggcattcat	acagagctgc	agttagacgg	ggttacgggg	120
gctaaaagca	gaaaaaaaaa	tccatttcat	cgggatggaa	ctgaaggatt	ttattctata	180
aagcggccct	ggttgaatct	ggcaattcct	tttgccaaga	tccttagcag	aagatttagc	240
catgtccttc	ccctcacttg	tgtgagtggc	cccttctgaa	tctctccagc	agccagaggc	300
acgtgagaag	cagaaagagc	tggtaaataa	agccttgggc	aagcgacttc	ttagatcaga	360
actcaccaaa	tggaagccta	gcagctgctc	cataaaccta	gccccattct	tcatatcaat	420
tttgatataa	tatatagaaa	cacacacaca	gcctcagact	tacaaactga	ttatactcta	480
aaagtttgta	tgtcagttag	ctaaaacttc	agaatacatt	tctccctata	aagagttata	540
aatgatgggt	tagttctcag	gcagctacaa	atgcctatct	attccctaata	gtacctgaac	600
actagtacca	tagaactgaa	ccaccatctg	tatcagcgca	tggggagtgt	gcattctgag	660

gtctaaccg ggggtgccagg aacacacaca tcctccatcc cagcata

707

<210> 3306

<211> 703

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (703)

<223> n = A,T,C or G

<400> 3306

ctaattgcttg gctantngtt ctttttgtag gatcccatcg attcgaattc ggcacgagat	60
tagctgcttg tgggtggggcc ccaaccgccc tcgggcactg gggagctggg ctggggctgc	120
tgctctgggg tctccggggg ccacagcttg ggggtgagttg aagacctcag gggatgtgga	180
ggggtctgcg gggccctggc cgcacaggat ggccttcagg gaagggtggc ttggggcatg	240
gtgcagagca ggtgaccgga ggggaatcggg gacggagcgg ggccaaggga ggggtccgga	300
gggagtcagg gatggaggcg agaggagtg gatgtggggg tttgaggacg tgtgacaagc	360
tccagcaggg gtggggggcg ggctgagggt ggggggtgcga ggtggtcact cccatcgtgc	420
ccctggcgt ccctccactc acccacacct ggcccagtc acgttgaggt ccaggactgg	480
gaaggaccgg gtgagtgcac cggggaccca ggccaggtgc cccccggagc ctgctggggg	540
ggccagagca ggagggggtg tgtttccttt ttgtgggtgt tgcattgcaa tcaagtggac	600
aagaaaaaat aacanaacan anaanaaaaa aaaaaactcg agcctctaga actatagtga	660
agtcgtatta cgtagatcca gacatgataa gatacattga tga	703

<210> 3307

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (710)

<223> n = A,T,C or G

<400> 3307

gnnccntaaa tngctgggct actcgttctt tctcgcacgn anccnnncgn ttcgcacaaa	60
gggagaactt cctcgaggct ggaactgggt tgatgttggt aagcatttaa gcaaaactgg	120
ctctaaggat gatgagtagc acttggaatt tgagacaagg aaagagcatt ctttaaagag	180
taaaactggg ttcaaaatct ttcattacta tttcttggtt ttgaggcgac tttttataaa	240
acacaatttt ttgtatgttt cttacattaa aaagggtgta agttgaaagt tcatgaagag	300
atcttgttgt attaaattat tttcacaac ttgccttaat aaaagggtgaa aatgttactg	360
tttagtatac tttatgaagc cccttgagct ttataaatgg acaggcatgg ggaataagaa	420
tcagtgttaa tttaaatgat cttatcctgg tggatgtgct attttcttaa aggagtatga	480
agcccttttc aaactatcat cccagtggag cggagtactc agtgaacagt tactccatag	540
tgcaatccat attaataggc ttcttctctt aagtcttcct ctcttctttt gcttaattac	600
tgaaccgtaa attacttcag agaaatttaa atgctgggtt ttgaacttta tacatgatac	660
tttttgtagt ttcttttaaat ttttgaaaga tgaactgctt ccttttaanc	710

<210> 3308

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(757)
 <223> n = A,T,C or G

<400> 3308
 nnannnnnnnn tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnngtncataa 60
 tgctggcnat cgttctttcc gcagcagccc ancgattcga attcggcacg agataacaca 120
 gactttcaag gaccaaggat tggagggttt aaagcaggaa acagcagttg ttgaaaacgt 180
 ccccattttg ggactttatc agattccagc tgagggtgga ggccggattg tactgtatgg 240
 ggactccaat tgcttgatg acagtcaccg acagaaggac tgcttttggc ttctggatgc 300
 cctcctccag tacacatcgt atggggtgac accgcctagc ctcatgcact ctgggaaccg 360
 ccagcgccct cccagtggag caggctcagt cactccagag aggatggaag gaaaccatct 420
 tcacgggtac tccaagggtc tggaggccca tttgggagac ccaaaacctc ggcctctacc 480
 agcctgtcca cgcttgtctt gggccaagcc acagccttta aacgagacgg cgcccagtaa 540
 cctttggaaa catcagaagc tactctccat tgacctggac aaggtggtgt taccacaactt 600
 tcgatcgaat cgccctcaag tgaggccctt gtcccctgga gagagcggcg cctgggacat 660
 tcctggaggg atcatgcctg gccgtacaa ccaggagggt ggccagacca ttctgtctt 720
 tgcccttctg ggagccatgg tggctctggc cttcttt 757

<210> 3309
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 3309
 ctaatgctgg anctaangc tgggctctcg ttctttncgc agganccctc gattcgaatt 60
 cggcacgagg tcacatctta gatggatggt ggcagacaaa aagagagagc ttatttaggg 120
 aaactctgtt tttaaaacca tcagatctca tgcaacttat tcaccatcac aagaacagca 180
 gggcacagac ccatcccat gattcaatca tttcctactg ggtttcttcc acagcatgta 240
 ggaattatgg gagctacaag atgagatctg gctggagaca cagagcccaa acacatcaga 300
 tgccatggaa atacaatgag gaaaagacag tctttccaat aaactgtgct gggaaaacctg 360
 gctatccata tgcaaaagaa tgaactgga tctccatctc cctccttata taaatataaa 420
 atcaaaatgg attaaagatt taaatctaag accttatact ataaaactaa aaaagaaaac 480
 agtgggaaac tctctgggac attagtctgg gcaaaaattt cttgagtaat acccctcaag 540
 cacagacaac aaaagcaaaa atggacaaat gtgaacacat caagttaaaa actatctgca 600
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 aagatactca tctgacaagg gattaataga atatataagg agtcaaata 710

<210> 3310
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 3310
 ctaatgctgg anctaangc tgggctctcg ttctttncgc agganccctc gattcgaatt 60
 cggcacgagg tcacatctta gatggatggt ggcagacaaa aagagagagc ttatttaggg 120

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aaactctgtt tttaaaacca tcagatctca tgcaacttat tcaccatcac aagaacagca 180
gggcacagac ccatcccat gattcaatca tttcctactg ggtttcttcc acagcatgta 240
ggaattatgg gagctacaag atgagatttg ggtggagaca cagagccaaa acacatcaga 300
tgccatggaa atacaatgag gaaaagacag tctttccaat aaactgtgct gggaaacctg 360
gctatccata tgcaaaagaa tgaaactgga tctccatctc cctccttata taaatataaa 420
atcaaaatgg attaaagatt taaatctaag accttatact ataaaactaa aaaagaaaac 480
agtgggaaac tctctgggac attagtctgg gcaaaaattt cttgagtaat accctcaag 540
cacagacaac aaaagcaaaa atggacaaat gtgaacacat caagttaaaa actatctgca 600
catcaaagga aacaatcaac aacgtgaaca gacagcccac agaattgagag aagtatttgc 660
aagatactca tctgacaagg gattaataga atatataagg agctcaaata 710

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<210> 3311
<211> 695
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(695)
<223> n = A,T,C or G

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<400> 3311
ctaagtctgg gctggcgntc tttccgcaag annctcgat tcgcccaggc tgacaggggc 60
tctgccgtct ttaacatgtg actttctagg tcagtcactt ggtcattgct tttccacaca 120
gcagataaga caaaggagtg gaaatagagg ggtagagatt ttctcttaaa cgtgtgaggc 180
tgagtggtta tgcttcattg gcaagaacct ggtcctagcc tgccatagctg aaaggagggg 240
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ggttgatttt gatctgtgtt tgctgctgtg ttactctata attcagccat gtactctgga 360
ggtttagcta tggtgtagcc aattgatcta tctcattcct ttttactact gtacattata 420
ccacaataag agcatgctac gctttgttta gctgctagct gtttccttcc taatggatag 480
ttagctgatt tctgttggtt ttctctgaga accaatgttg caacgcccac cgaggaactc 540
tgccccccag atatatgtac atgtgtgatg tttctctttt atgggaactg ggtcatcaag 600
catgtgtctt tagtctggat agctattgtt aaactgccta caaactgagc agatctatta 660
atatcagtta cacttggggc tttgggggtt gagan 695

```

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<210> 3312
<211> 695
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(695)
<223> n = A,T,C or G

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<400> 3312
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gcagataaga caaaggagtg gaaatagagg ggtagagatt ttctcttaaa cgtgtgaggc 180
tgagtggtta tgcttcattg gcaagaacct ggtcctagcc tgccatagctg aaaggagggg 240
agtcaggagg atgcactttg cagccaaaat tctgttgcca agaaggggaa agtagatttg 300
ggttgatttt gatctgtgtt tgctgctgtg ttactctata attcagccat gtactctgga 360
ggttttagcta tggtgtagcc aattgatcta tctcattcct ttttactact gtacattata 420
ccacaataag agcatgctac gctttgttta gctgctagct gtttccttcc taatggatag 480
ttagctgatt tctgttggtt ttctctgaga accaatgttg caacgcccac cgaggaactc 540
tgccccccag atatatgtac atgtgtgatg tttctctttt atgggaactg ggtcatcaag 600

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catgtgtctt tagtctggat agctattgtt aaactgccta caaactgagc agatctatta 660
 atatcagtta cacttgggcc tttgggggtt gagan 695

<210> 3313
 <211> 701
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (701)
 <223> n = A,T,C or G

<400> 3313
 nctaagtctg gctgttggtc tttttgcagg atcccatcga ttcgaattcg gcacgaggtc 60
 cagaaatact ctgatactag ctatgggtcag caacatttaa tgaaaaccct tatgttaaaa 120
 ataaaccctt gcctcctggc ttcaagcgat tctcctgcct cagcctcctg agtagctggg 180
 agtataggca cgtaccacca caccagcta attttttgta tttttactag agatgggttt 240
 cacagtgtta gccaggatgg tttegatctc ctgacctcat gatccgcccg cctcggcctc 300
 ccaaagtgtc gagattacag gcgtgagcca ctgtgcccg cctcaaaatc ttaagaaaag 360
 gttcttttgg tgcattggagt ttacatgga ataagttagt gcctctgcaa tttaaatatt 420
 ttttacacag atttgatgct gtgcaaatgc cctctccct tttagggtgtt gcttggtcag 480
 tatctcaagc ccagaaagat gaattaatcc ttgaaggaaa tgacattgag cttgtttcaa 540
 attcagcggc tttgattcag caagccacaa cagttaaaaa caaggatatc aggaaatttt 600
 tggatggtat ctatgtctct gaaaaaggaa ctgttcagca ggctgatgaa taagatctaa 660
 gagttacctg gctacagaaa gaagatgcca gatgacactt n 701

<210> 3314
 <211> 704
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (704)
 <223> n = A,T,C or G

<400> 3314
 nnnnctaagt ctggctactc gttctttncg caggatccca tcgattcggg ctaaaaccca 60
 ggttcagcaa cttcttgtct caatcaccct tcagtcagag tgtgatgctt tccccaacat 120
 atcttcagat gagtcttata ctttacttgt gaaagaacca gtggctgtcc ttaaggccaa 180
 cagagtttgg ggagcattac gaggtttaga gacctttagc cagttagttt atcaagattc 240
 ttatggaact ttcaccatca atgaatccac cattattgat tctccaaggc tttctcacag 300
 aggaattttg attgatacat ccagacatta tctgccagtt aagattatc ttaaaactct 360
 ggatgccatg gcttttaata agtttaatgt tcttctactg cacatagttg atgaccagtc 420
 tttcccatat cagagcatca cttttcctga gttaagcaat aaagttagta aattgtattg 480
 tactctgtct acaaaaacat tgggtatagt ttcattacaa gtttgtagct taaatgtttg 540
 ttcttatgga tagaatcaaa gtgtaaaaat cagatgttta tgggttttaa tttttttggc 600
 tgtgacttag cattttacat ccataaaact ttttttgtaa ttgntataac ggttactgta 660
 attgttactg tgaatatcaa caatcttggg gaagtgtaaa tccg 704

<210> 3315
 <211> 702
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (702)
 <223> n = A,T,C or G

<400> 3315
 gnnctaatagc tggctcttgt tcttttgacg gatccctcga ttcgtttttt aagagataag 60
 gtcttgctat gttatctagg ctggcctaaa cttctgggct gaagtgatcc tcctgtgtag 120
 ctgggactac aagcatgtgc caccaatgcc tggcttctca cactgttttg taacatagat 180
 atgtgaagat gtgtattata gaattgtttg taatactgta gtgttgtagg caatgtgact 240
 gtctataggg aagtggacag gttatttgtg gtaatactc atggaaaacg gtcaagcagt 300
 taaaagcaat caattatggc caccagcaa tgcagataaa tcttaaaagc atatgatgct 360
 atgataccaa agcacaagca ccgcccctgt aaatagagga attagatttc ttcagcatta 420
 aaactttgtg catcaaagga tagtatcaag aaagtaaaaa gacaaatgga gaatgggaga 480
 aaaatacttg caaacatgt atctgataaa ggtctagtat tcagaaaaca attcaacaat 540
 aaaaaagaca aataactgag ttataaatgg caaaggattt aaatagacat ttctctatgt 600
 aaagaagatt tacaatatg caataagcac atgaaaaaga tgttcaacat cattactcat 660
 cagcaaatg ccaatcaaaa ccacaatgaa ataccatttc at 702

<210> 3316
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (761)
 <223> n = A,T,C or G

<400> 3316
 gnnnnntttnn nnnnnnttnt aaananacag gctacttggt ctttttgacg gatcccatcg 60
 attcgaattc ggcacgaggc cacacgggcc gcatcatccc tgcaatctgg ttcgctacg 120
 acctcagccc catcacggtc aagtacacag agagacggca gcccgttgt acagattcat 180
 caccacgac tgtgccatca ttggcgagg ccttcacgt cgccggcatc ctggactcat 240
 gcatcttcac agcctctgag gcctggaaga agatccagct gggcaagatg cattgacgcc 300
 acaccagcc taatggcga ggacctggg categccagc cttgcctcca gtgccctgtc 360
 tcctttggcc ctcaatctgg tcccaaatct ggctgtgtcc caaaggggtg gtgggaagtg 420
 gggggaaagt agaggatggc tcatgtttt gcagctacct cttttcccg tgtttctttt 480
 tagacaaatt aactgcctg aagttgcagt tcccttttc tggggagccc caagaacaga 540
 gtcaggcaag ggggtgggag tncagggatc ttggggaccc ctntaggag agctgcagtc 600
 tctncccta ggggaacatn ccanaatgca tatngatcag ctntnagcca ggctttngac 660
 aattttccag cccccaacta ggtgggacac attaatgaat ttgggttttt cccttgggca 720
 agccaacctg ncccaaangc accaaaactg gggcttttan n 761

<210> 3317
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (716)
 <223> n = A,T,C or G

<400> 3317
 tacagctact tgttcttttt gcagatccca tcgattcggt ctcagatacc tgatggatcc 60

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agacacattc actttcaact ttantaatga cccttnggtc cttegacggc gccagaccta 120
cttgtgctat gaggtggagc gcctggacaa tggcacctgg gtcttgatgg accagcacat 180
gggcttttcta tgcaacgagg ctaagaatct tctctgtggc ttttacggcc gccatgcgga 240
gctgcgcttc ttggacctgg ttccttcttt gcagttggac ccggcccgaga tctacagggt 300
cacttggttc atnttctgga gcccctgctt ctcttggggc tgtgcccggg aaagtgcgtg 360
cnttcttca ggagaacaca cagtgagac tgcgcattct cgctgcccgc atctatgatt 420
atgacccctt atataangag gcgctgcaaa tgctgnggga tgctggggcc caagtttcca 480
tcatgacctt cgatgagttt gagtactgct gggacacctt tgtgtaccga cagggatgtc 540
cttnccacct gggatggact aaaggagcac agccaanccc tgagtgggag gctgcnggcc 600
attctccaga atcanggaaa ctgaaggatg gcctcantct ctanggaggc ngagacctgg 660
gttggcanca naataaaaga tttttttcaa gaaatgcaaa cagaccgtca ccaccn 716

```

<210> 3318

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (726)

<223> n = A,T,C or G

<400> 3318

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caggctactt gttctttttg caggatccca tcgattcgaa ttcggcacga gtgaagaatg 60
gcgtgggttg gttcctttca aatgcacttg agcagcggc tccaaccaca gggccacaga 120
gctggagggt agcagcaggc gagtgaaggg aaacttcatt tgtatttcta gcccctccca 180
tcgcttgcat gaccacctga gctccatgtc ctgtcagatc agcagcagca ttagattctc 240
acaggagcac aaactctgtt gtgaagtgtg catgcgaggg atctagggtt tgtactcctt 300
atgagaatct aatgcctgat attctgttac tgtctcccat caccctagat ggacagtcta 360
gttgaggaa aacaagctca gagatccac tgagtctacg ttatagttag ttgtagaatc 420
atttcattat atattactat gtagtaataa tagaaataaa gtgcacaata tatgtaatgc 480
acttgaatca tcctgaaatt attcctcat tcccagtcgt tggaaaaatt gtcttcaca 540
cattcactct gtttttttgt agaggcaggg tcttaataa ttgccagtc tgatctcaa 600
ctcctggcct caagtaatat acctctctta gcctnccaaa agtgctgaga ttacaggcat 660
gagccccccc ctgacccaag actttnttna accaaataaa aattaagtga gactactttg 720
gccag 726

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<210> 3319

<211> 841

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (841)

<223> n = A,T,C or G

<400> 3319

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tacangctac ttgttctttt tgcaggatcc catcgattcg aattcggcac gaggtccctt 60
gctcggggcc atggagacac tgcggccagt acggcgggc ctctgtctga agaaggggaa 120
gtgacctccg gcctc ggc tctggcgtg gaggataccg gagccccctt gcctcggccg 180
gtaaggccga ggacgagggg gaaggaggcc gagaggagac cgagcgtgag gggtcggggg 240
gcgaggaggc gcaggagaa gtccccagcg ctgggggaga agagcctgcc gaggaggact 300
ccgaggactg gtgcgtgccc tgcagcagcg aggaggtgga gctgcctgcg gatgggcagc 360
cctggatgcc cccgccctcc gaaatccagc ggctctatga actgctggct tgcccacggg 420
actctggagc tgcaagcccc agatccttgc cccggccggc cttccacgcc ggaggccan 480

```

```

aaccgaaaag gaaaagatcc cgatgaagga gcccgagggc ccaaaanaa aaggaaagag      540
ggaaaaaacc cacacattgc cccacnggaa tttggaattt ttgattgaat gagcccaant      600
ggaccaccca aanggacttn cccttgattg gaaccgggga gaaccaccanc ccccaaggga      660
aagcnttnaa nccccgggga agccccagaa aaaccngggg angggcccc ccccttgggg      720
acnaaagggt ggcctttttc cgggnccctt tgaaaggagg gacccccan nnaaagncnt      780
tggganggga aaccaaaaaa tccccttttn gtaancccg gggaangggg nanccttnt      840
t

```

<210> 3320

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (741)

<223> n = A, T, C or G

<400> 3320

```

gnnnnnttnn nnnnnnttn tntananaca ggctacttgt tctttttgca ggatcccatc      60
gattcgcaga aattcaaata attcttttct gcttcaatgc cagcagaagg tccccagggt      120
agacatggag aagcactttg ttttaaatag gaggggtttca tagttgcac tgaagccacc      180
tggttctgtt aaactgtatc gtgcagggtt tgggtttggc attattcatg tttctgatca      240
attctatgca actctcatag ttctgtttac tttttagcat tagctgcaa atgacttcaa      300
aaggctgggg tgggtgactt gactgtgaga ctggattata acatggacaa atcttatttt      360
gcttaatgtg tttgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtatgta      420
tatatatata tataaatatc tttcccaata tgccccgttg acagtgttta aattccanac      480
taggactgct gatctgcaca atttaattat gtggnatttc gagcacttaa tttcactcaa      540
ggntcattgg gctctgctct tctccctgcc attacnggag ctgtggacag agctncctcc      600
ttcaanantc tagtggtttt gcncacagg ntgnccaatg anaaaactga nttgcgtgnc      660
tgtaaatgtt gcncaggng caccctnnn agggntcnat nctccggcct gtcctccaaa      720
agggctgggc cttgggccc n

```

<210> 3321

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A, T, C or G

<400> 3321

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ggnnnnnttt nnnntactg anancctttn gctacttgtt ctttttgcag gatcccatcg      60
attcgaattc ggcacgagag gcgatatccc tgagctgaga gcatnaccct gtccccgaat      120
ccttctttcc tctctgtttt gtttttcatt cccctccctc tctccctcc cctccagtc      180
cacgaegact gggctgttga ccctgttcag gcctcgggtga aggcttttgg ttactccct      240
tcccaccca tcccttaatt ttattctttt gaagagtgc tttcaagctg ccaagggtgga      300
gagagggatt acagaaagga gaacacctta tttcagaaaa ggtgtaccat acctgagagc      360
accaggaagt cgcagtagag atcacctgat acatgaacgt atgatgttcc atctgagcat      420
tgatgaatag gcagcattta caaattaact gatgtgttgc tgnatatcat ctctttgatg      480
attgctcctc ttctttgtat cctgncttat aatttcaaca catttgcat actcaatgtc      540
tattctaaat taaccatgtt ttgtaccaca aactcattgc ccatggatct gttgctgaaa      600
caaggaagtc ttaaacaaga agtggaatct ttctgttata agattgggtc tgaatcaaat      660
gatcagaagg gtgggaatat tacaaantga agaataacag ntgcaacctt cagtttctna      720

```

aaaataanaa gngagctttt cagggcaaatt t

751

<210> 3322

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(705)

<223> n = A,T,C or G

<400> 3322

nctaatgctg ggcnccttggt cttttngcag gatcccatcg attcgaattc ggcacgaggt	60
ctagtataat cttgatgctc aaaccagata aggacaatac aagaaaggaa gagtataggc	120
taattctacc caataactaa atgaagtatt agcaaaccag attcatcaat aatcttttaa	180
aaatcaagaa ttaattggat ttaggaatat aacactgtgt ataacaagtt taagagaaat	240
atatgagaat gataagactg caattgaaag tagaggtttt ctctggaggg aaaggtgagg	300
aggatgtgat ttggaagaac agcatgggga ggcacacagt gtattgtaat gtttattttt	360
taagctgaat gataggtacg tagatgttca ttgtgttctt tttgcctttt tgtatatctt	420
aaatatatgg tagtgccatg attagcaggc ttaatagcct tgtgagttaa aatgtcactt	480
tcaaatgctg tatttttggg ggagttgctt aaacacattc cccttggaa ctatacaacc	540
agttaaaaaa atcatgtata aaccaccatg aaatataatg aaatgtactg tatatgcatt	600
ttcatgaatg ttgtgtcaaa gggcttgtag gaaaaaaga tcgttaactc ttttgcattc	660
agtgaataa ggtggctttg gaaatagttt cagccttgct aacac	705

<210> 3323

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 3323

gnnnnntnn nnnnnntnt aaananacag gctacttggt ctttttgcag gatcccatcg	60
attcgaattc ggcacgaggc cacacgggac gcatcatccc tgcaatctgg ttccgctacg	120
acctcagccc catcacgggc aagtacacag agagacggca gcccgcttgt acagattcat	180
caccacgacg tgtgccatca ttgggcggga ccttcacagt cgccggcatc ctggactcat	240
gcattctcac agcctctgag gcctggaaga agatccagct gggcaagatg cattgacgcc	300
acaccagccc taatggccga ggacctggg catcgccagc cttgcctcca gtgcctgtc	360
tcctttggcc ctcaatctgg tcccaaatct ggctgtgtcc caaaggggtg gtgggaagtg	420
gggggaaagt agaggatggc tcgatgtttt gcagctacct cttttccccg tgtttctttt	480
tagacaaatt aactgcctg aagttgcagt tcccctttcc tggggagccc caagaacaga	540
gtcaggcaag ggggtgggag tncagggatc ttggggaccc ctntagggag agctgcagtc	600
tcttncctta ggggaacatn ccanaatgca tatngatcag ctntnagcca ggctttngac	660
aattttccag cccccaacta ggtgggacac attaatgaat ttgggttttt cccttgggca	720
agccaacctg ncccaaangc accaaaactg gggcttttan n	761

<210> 3324

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (712)

<223> n = A,T,C or G

<400> 3324

gtncataatng	ngngctcncg	gcnnngtcgc	aacagcccng	cggntcgaat	tcggcacgag	60
gcctttttgtg	gggtctcata	cataactcag	tttccacaaa	gctgtgcccc	agctcagccc	120
tatggataga	agcatgggtct	ggggttcctt	tgctgaccag	ggtgtgtgct	ttgtccaagt	180
tactgacctt	cccaaacctc	atcaatgcac	ataaaaagag	cacttgcaaa	caatgaatct	240
agacatggac	cttcacaaaag	aaataactca	aaatggatcc	caggcctaaa	tgaaaaatga	300
aaaactataa	aactcctaga	agataacata	aaagaagatc	tagatgacct	agggtttggc	360
aatgactttt	tagatccagc	accaaaggca	ggatccagga	aagaaataat	tgataagctg	420
gacttcatta	aaacgaaaac	ttctgctctg	tgaaagatgc	tgccaaaaaa	tgaaaagaca	480
agccacagac	tgggagaaaa	tatttttgat	ggaaatatct	gagaagagag	gcttggtatc	540
caaaatatac	aaagaatttc	taaaactcaa	taatttgaaa	ataaacaacc	caatttaaaa	600
agtgggccaa	agatcttaaa	tgacgcctca	ccaaagaaga	tacacagatg	gcaaataagc	660
atatgaaaaag	atgctcccg	ctgggcacgg	tggtcacgc	ccgtaatccc	gc	712

<210> 3325

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1249)

<223> n = A,T,C or G

<400> 3325

angctacttt	gttctttttg	caggmnnttt	ttnnnnnatac	agctcttgtt	ctttttgcag	60
gatcccatcg	attcgaattc	ggcacgagaa	aacacacaca	cacacaacac	aatgttttca	120
cgctgtaaa	cctagcacat	tgggaagcca	aggtggggag	ggattgcttt	gaggccaggg	180
aagttcaagg	gctgcaagt	gagcttatga	attggcncac	ctggtacctc	ttagccctgg	240
gggaggaaca	agaggtggag	gaacacctgg	tcttcttnaa	aaaaaaaaaa	aaaaaagg	300
tttttttttg	gaaacccctt	ttaaaaaaat	taaccttttt	tggttttttg	ggaaaatttt	360
tccttttaaaa	ttccaattcc	aantttttcca	aaaaaaaaagg	naaggcccaa	ggttttaaaaa	420
aaaaaaaaaat	nggggggttt	aaaccttttn	gggttttncc	ttttnggggt	aacccaaaaag	480
ggccctttan	ccttttaaaaa	tttttaagg	aaacctttta	tttaagggtt	aaggggggaa	540
attaantttt	tttttnaaaa	aaaggnaagg	cccttgggna	aaantttcaa	cccttttttt	600
ttnggggggt	aanttttttt	tnngggggtt	anttaaaaaa	aattaatttt	tttttnccaa	660
tttttttggg	ttttaaatng	gttccccccc	caaggntaaa	ttaaattttc	cctttttaaac	720
cttgggggna	aaaaaaaaatt	ttcctttttg	gggttttttt	gggaaattcc	ttgggcccc	780
ttggnaaaaag	naaaaaaaaa	ttaanttcct	tgggggtttt	ttnccttaan	ttanttaaaa	840
aaaaaaaaaaa	aatttttttt	tttttaaaaa	aaaattaaaa	atttnggtta	aaaaagggtt	900
ttaagggaat	tttttaaaaa	aaaatttttg	ttaaaaaaa	attattttaa	aaaaattcca	960
accaaaaagg	gggaaaattg	gttanccct	tttaatggga	aaatgggttt	gggtttggga	1020
cccanttttt	ttaatgggaa	aaaatttaat	tggtngggga	ttccaatta	tttacctggg	1080
tttanccaaa	ggaataagga	aaatttggaa	atgggccaaa	aaaggaccca	aaaacctca	1140
attaaaaatt	tgagggaaaa	cgtggttatt	atgtaattga	aataaaaaa	ttttataatt	1200
gtaaaaaaa	aaaaaaaaaaa	actcgagcct	ttaaactata	ggggtcgtn		1249

<210> 3326

<211> 760

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 3326

ttaaaanant	ngctcttggt	ctttttgcag	gacctttcna	aanacagctc	ttgtntttt	60
gcggatccct	cgattcggtt	ctatacaatt	tttccttctg	atccagagac	acggaaaaac	120
aaagggcaag	atggaaataa	gggatgagaa	ggtctatgtg	gaaaaacagt	tacaactggg	180
agtgggtaac	tgcaaaacca	agcagcttca	tgtgatcggt	aggacagaag	aaatttctcc	240
ttttagcct	agagcaatat	tctcaaaatt	taatgcgcat	gttaatcatt	tggggatctt	300
ttattcattt	tttcatgtgg	ggatctttta	aaaatgcaaa	ttctgatttg	gtaagtctgg	360
agtaggtcct	gagcttctgc	atgcttcaaa	agctgattat	gttttgagaa	catggatcta	420
gatgctggta	ttgaggtggg	agacaagtac	tgccacctga	aacaacagtc	ttggtaaatt	480
tagcccgacg	agggtaaaca	catacctaaca	gggaaggtaa	actgtcgtcc	atcagtacca	540
ctagagggca	tactggttt	atagttcaat	acagtgaata	tatcagaata	atggccttta	600
gttttctga	aagattaaat	taggcttgct	aacttgttta	atgagataat	caaacatatg	660
atgtaatttt	aaagggttta	cattttttaa	aattaatagg	gtatcagtta	ctaattttac	720
ttaaatggna	ctctgtaagc	ttaataggta	tgcttaaata			760

<210> 3327
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 3327

ttaaaanant	ngctcttggt	ctttttgcag	gacctttcna	aanacagctc	ttgtntttt	60
gcggatccct	cgattcggtt	ctatacaatt	tttccttctg	atccagagac	acggaaaaac	120
aaagggcaag	atggaaataa	gggatgagaa	ggtctatgtg	gaaaaacagt	tacaactggg	180
agtgggtaac	tgcaaaacca	agcagcttca	tgtgatcggt	aggacagaag	aaatttctcc	240
ttttagcct	agagcaatat	tctcaaaatt	taatgcgcat	gttaatcatt	tggggatctt	300
ttattcattt	tttcatgtgg	ggatctttta	aaaatgcaaa	ttctgatttg	gtaagtctgg	360
agtaggtcct	gagcttctgc	atgcttcaaa	agctgattat	gttttgagaa	catggatcta	420
gatgctggta	ttgaggtggg	agacaagtac	tgccacctga	aacaacagtc	ttggtaaatt	480
tagcccgacg	agggtaaaca	catacctaaca	gggaaggtaa	actgtcgtcc	atcagtacca	540
ctagagggca	tactggttt	atagttcaat	acagtgaata	tatcagaata	atggccttta	600
gttttctga	aagattaaat	taggcttgct	aacttgttta	atgagataat	caaacatatg	660
atgtaatttt	aaagggttta	cattttttaa	aattaatagg	gtatcagtta	ctaattttac	720
ttaaatggna	ctctgtaagc	ttaataggta	tgcttaaata			760

<210> 3328
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(752)
 <223> n = A,T,C or G

<400> 3328

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agctcttggt ctttttgcag gatcctttca anatacagct cttgttcttt ttgcagggtc      60
ccatcgattc gtttctatac aatttttctt tctgatccag agacacggaa aaacaaaggg      120
caagatggaa ataagggatg agaaggtcta tgtggaaaaa cagttacaac tggagtgggt      180
aactgcaaaa accaagcagc ttcattgtgat cgtaggaca gaagaaattt ctcctttgta      240
gcctagagca atattctcaa aatttaaatgc gcatgttaat catttgggga tcttttattc      300
attttttcat gtggggatct tttaaaaatg caaattctga tttggtaagt ctggagtagg      360
tcttgagctt ctgcatgctt caaaagctga ttatgttttg agaacatgga tctagatgct      420
ggtattgagg tgggagacaa gtactgccac ctgaaacaac agtcttggtg aatttagccc      480
gacgagggtg aacacatcct aacaggggaag gtaaaactga cgtccatcag taccactaga      540
gggcatcact ggtttatagt tcaatacagt gaatatatca gaataatggc ctttagtttt      600
cctgaaagat taaattaggc ttgctaactt gtttaatgag ataatcaaac atatgatgta      660
attttaaagg gtttacattt ttaaaaattt aataggggat cagttactaa ttttacttan      720
atggactctg taagcttata ggttgcttaa an                                     752

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<210> 3329

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 3329

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agctcttggt ctttttgcag gatcctttca anatacagct cttgttcttt ttgcagggtc      60
ccatcgattc gtttctatac aatttttctt tctgatccag agacacggaa aaacaaaggg      120
caagatggaa ataagggatg agaaggtcta tgtggaaaaa cagttacaac tggagtgggt      180
aactgcaaaa accaagcagc ttcattgtgat cgtaggaca gaagaaattt ctcctttgta      240
gcctagagca atattctcaa aatttaaatgc gcatgttaat catttgggga tcttttattc      300
attttttcat gtggggatct tttaaaaatg caaattctga tttggtaagt ctggagtagg      360
tcttgagctt ctgcatgctt caaaagctga ttatgttttg agaacatgga tctagatgct      420
ggtattgagg tgggagacaa gtactgccac ctgaaacaac agtcttggtg aatttagccc      480
gacgagggtg aacacatcct aacaggggaag gtaaaactga cgtccatcag taccactaga      540
gggcatcact ggtttatagt tcaatacagt gaatatatca gaataatggc ctttagtttt      600
cctgaaagat taaattaggc ttgctaactt gtttaatgag ataatcaaac atatgatgta      660
attttaaagg gtttacattt ttaaaaattt aataggggat cagttactaa ttttacttan      720
atggactctg taagcttata ggttgcttaa an                                     752

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<210> 3330

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 3330

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ttggnnnnnn nnnnnntttt annntncagc tnnngnnagc tcttgttctt tttgcaggat      60
cccatcgatt cgaattcggc acgaggttgg ccggagatgt ctttttattt ttgtgctgta      120
aaattctctt acagcaaaaa taggcttttag aaaggtcttc tactgtcttc agcaaccatc      180
tcatcttcca gcttcacctg attgtccagt tatcatacat ttgactttca aatgtatgaa      240
ccagcatgta ccccatggat ttaatcttat ctaccccgty gattcaatct tcttatcaga      300
aggttctttt atgtcaaaaa acctgctgtc aaggcttgaa gagccggcac actcaatggc      360

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aaacacagca	cccagagtctg	ctctgaatcc	tggaggatct	ggccctcctc	tcaacccccca	420
ctcacagtca	ccgtcttaca	actcagggcc	acctgggac	agtcatcagt	caggggtgcgt	480
aagccttgaa	taccaggtag	cctcaggagt	gaaaagataa	atgtcctaga	tcattacctt	540
attcagtgtc	cccaccttgc	agcgcatctc	aaccacctgg	gagcatttaa	aactccagat	600
gcccacacca	caccctgggg	ccccatcag	accttntgga	agcaagacct	gggcctncat	660
ggncccnaaa	actcctaggg	gatccgatgt	gcagccnaat	cttgaaangg	cccattttaa	720
aaanaaagaa	catgggtggt	acattgggga	gtnttta			757

<210> 3331

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 3331

gmnnttntnn	nnnnnttnt	nnanatacag	gctacttggt	ctttttgcag	gatcccatcg	60
attcgtctcc	ttgcctttct	cctgaaagg	atgagactac	ttgccttact	gtcatattat	120
tgaggggaat	cagccgcaaa	gcctgnggaa	aatgaacagt	agctgtgggg	tcaaagccat	180
gtctccaggt	tcacgggtc	actccccca	ggacaagcct	agttaggtag	tgggctgcat	240
ctgggtatcc	ctgggacaga	aatgcagggt	agaaggggta	tcaagaatgc	ctcgagcctc	300
tagaactata	gtgagtcgta	ttacgtagat	ccagacatga	taagatacat	tgatgagttt	360
ggacaaacca	caactagaat	gcagtgaaaa	aaatgcttta	tttgtgaaat	ttgtgatgct	420
attgctttat	ttgtaaccat	tataagctgc	aataaacaag	ttaacaacaa	caattgcatt	480
cattttatgt	ttcagggttc	gggggagggt	tgggagggtt	tttaattcgc	ggccgcggcg	540
ccaatgcatt	gggcccggta	cccagctttt	gttcccttta	gtgagggtta	attgcgccct	600
tggcgtaatc	atggtcatag	ctgtttcctg	tgtgaaattg	ttatccgctc	acaattccac	660
acaacatacc	agccggggagc	ataaagtgtg	aagcctgggg	tgctaataga	gtgagctact	720
cacattaatt	gcgttgccctc	actgcccttt	ccaan			755

<210> 3332

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (705)

<223> n = A,T,C or G

<400> 3332

caatgctggt	tctngttctt	tttgcaggat	cccatcgatt	cgaattcggc	acgaggggatg	60
acccatgcc	aaaatactat	gagctcttac	tagtcaaccc	tatttggttg	gtcccaccaa	120
caaaggcact	tgagttaca	ttcaccacat	ttgtaacgga	gccattgaag	catattggaa	180
aagggaactgg	ggaattttatt	aaagcactca	tgaaggaaat	tccagcgctg	cttcatcttc	240
cagtgtgat	aattatggca	ttagccatcc	tgagtttctg	ctatggtgct	ggaaaaatcag	300
ttcatgtgct	gagacatata	ggcggtcctg	agagcgaacc	tccccaggca	cttcggccac	360
gggtagaag	acggcaggag	gaaatcgatt	atagacctga	tggtaggagca	ggtgatgccg	420
atttccatta	taggggcca	atgggcccc	ctgagcaagg	cccttatgcc	aaaacgtatg	480
agggtagaag	agagattttg	agagagagag	atgttgactt	gagatttcag	actggcaaca	540
agagccctga	agtgtcccg	gcatttgatg	taccagacgc	agaggcacac	cgaagaaag	600
cagtactgaa	agcagccagt	gggccaagcc	tgtctctggc	caagacacat	caggggaatac	660
agaagggttca	cccgcagcgg	aaaaggccca	gctcaagtct	gaagc		705

<210> 3333
 <211> 703
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (703)
 <223> n = A,T,C or G

<400> 3333
 tgctggmcta aatgctggnn atcgntcttt ccgcantaga acnnncgatt cgaattcggc 60
 acgaggctac ctgggcggcg acgggctgga cgtggacgtg cccacgcgtc tggagggctg 120
 gttcttctgc acgcccgcgc gcaagctgct ctggctgggt ctgcagccct tcttctactc 180
 actacggccg ctctgcgtcc accccaaggc cgtgaccgcg atggaggtgc tcaacacgct 240
 ggtgcagctg gggcccgacc tggccatctt tggcctttgg gggctcaagc ccgtgggtcta 300
 cctgctggcc agctccttcc tgggcctggg cctgcacccc atctcggggc acttcgtggc 360
 cgagcactac atgttctctca agggccacga gacctactcc tactatgggc ctctcaactg 420
 gatcaccttc aatgtgggct accacgtgga gcaccacgac ttccccagca tcccgggcta 480
 caacctgccg ctgggtgcgga agatcgcgcc cgagtactac gaccacctgc cgcagcacca 540
 ctctctgggtg aagggtgctct gggattttgt gtttgaggac tccctggggc cctatgccag 600
 ggtgaagcgg gtgtacaggc tggcaaaaaga tgggtctgtga gcccaggctg cctcctgggtg 660
 gtggccattg tcccccatcg gcccctcacc ttgcaccca ncn 703

<210> 3334
 <211> 696
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (696)
 <223> n = A,T,C or G

<400> 3334
 tgctgggctc tngttctttt ngcaggancc catcgattcg aattcggcac gagaaggacc 60
 tgcagcttca gcatcacttg agaagttgtt aggaatgcat actagtgggc cccgccccca 120
 gacatagtga atcagaaacc aacagggagg cgcctagcat tgttttttta acaagtgtctg 180
 ggttattctg atgcacagtc tagtttaaga accactactt tgggtaaacg ttttgactgt 240
 ttaaagttta tggcggtgaa gtgggcatct tcaaagacta gtacttacac agtttagaag 300
 atttcaaggc actgctgaca gtagtattt atgtcagtat acatacgtgt agagatcata 360
 atttagttcc cttcttaatg ttacaatttc ttagtttact tttcctaaag ggccatagca 420
 taattcttga ttcttggtgg aaatcttttc tgagggtgtgg ggggtgggcaa ggtgtggatt 480
 gctgtttacg atagtgcctt cattagtttt agttctgtct gttttcattc attattgact 540
 caaaggtatt agaacaggcc cttatctttt tcctattaga tttatttttg ttttttactt 600
 tatgtaagtt cagaatcctt ttttaagtga tgactactga tgaaataatg ttactagtag 660
 ctgaatttta gacttgatgc tatgttgatt aatatn 696

<210> 3335
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (736)

<223> n = A,T,C or G

<400> 3335

gtncctaann	ngngtgngg	cangctenta	tctctnaana	gaattgggct	ttgtcgaatt	60
ccgcncggag	acantctgan	cgtgctngag	cagctgatta	tcaagcccg	ggtgcgccag	120
atccatctgt	ncnacggacn	ngcgcggnnt	gaccgagcat	gaggtgcct	gaangangac	180
caggggctnt	ttgtncacan	gngtccaggn	cannaccgct	gnntnccttg	tggtgntgng	240
ctatggngnc	cagntnttgc	acattgacan	acttnactgc	actgggtggg	agctcgaca	300
ttngcccatt	tgtggtagaa	tcaaggcatc	acccgataag	attgncgtgg	tggaaacgtc	360
acagtccgac	canttngact	gtcaccatgc	canntgacag	catnnatact	ttctngett	420
tagatcacta	cggggaagat	actctctatn	gtcaanggga	nnatncttc	cgaaactgcc	480
tcctnancnn	ccnctanncn	tntgaengat	accgtcanaa	nnatatctgn	ctgaaggncn	540
nataatctnt	ngcatatncn	nganncgat	gganacgntn	tanccctnac	cntnatcccn	600
agtgcganct	tactatcnca	tnntnnaann	agtttgntt	cnctctgggn	anancacacc	660
catggacnac	tgcatecnca	gatgccttna	ttcactgnta	nccttggect	gcactnnngn	720
gctttccctc	cttanc					736

<210> 3336

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (706)

<223> n = A,T,C or G

<400> 3336

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aaatgtgtat	ttcagtga	atctcgtgg	cttttttagag	gtatattcca	aaatttcctt	120
gtatttttag	gttatgcaac	taataaaaac	taccttacat	taattaatta	cagttttcta	180
cacatggtaa	tacaggatat	gctactgatt	taggaagttt	ttaagttcat	ggtattctct	240
tgattccaac	aaagtttgat	tttctcttgt	attacatttt	ttatttttca	aattggatga	300
taattttctg	gaaacatttt	ttatgtttta	gtaaacagta	tttttttggt	gtttcaaact	360
gaagtttagt	gagagatcaa	tcaaattgaa	caatctgttg	taattttaa	ttttggcacc	420
ttttttcaga	ttttacatca	ttcttgctga	acttcaactt	gaaattgttt	ttttttttct	480
ttttggatgt	gaaggtgaac	attcctgatt	tttgtctgat	gtgaaaaagc	cttggtattt	540
tacattttga	aaattcaaag	aagcttaata	taaaagtttg	cattctactc	aggaaaaagc	600
atcttcttgt	atatgtctta	aatgtatttt	tgtcctcata	tacagaaagt	tcttaattga	660
ttttacagtc	tgtaatgctt	gatgttttaa	aataataaca	ttttng		706

<210> 3337

<211> 703

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (703)

<223> n = A,T,C or G

<400> 3337

caatggctgg	tngctngttc	tttttgtagg	atcccatcga	ttcgtgtgga	gaaccttctt	60
tttctatggg	aaatcacttc	tggagttggc	aagaatggag	aatggtgtgt	tgggaaacgc	120
cttggaaggt	gtgcatgtgg	aacatcattc	tcaccaccag	tctcttctct	gtgcctttct	180
tcctgacgtg	gagtgtggtg	aactcagtgc	attgggcca	tggttcgaca	caggtctctg	240

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cagccacaac catcctgctg cttctgacgg tttggctgct ggtgggcttt cccctcactg      300
tcattggagg catctttggg aagaacaacg ccagcccctt tgatgcaccc tgcgcacca      360
agaacatcgc ccgggagatt ccaccccagc cctggtacaa gtctactgtc atccacatga      420
ctgttggagg cttcctgcct ttcagtcca tctctgtgga gctgtactac atctttgcca      480
cagtatgggg tcgggagcag tacactttgt acggcatcct cttctttgtc ttcgccatcc      540
tgctgagtgt gggggcttgc atctccattg cactcaccta cttccagttg tctggggagg      600
attaccgctg gtggtggcga tctgtgctga gtgttggtc caccggcctc ttcattcttc      660
tctactcagt tttctattat gcccggcgct ccaacatgtc tgg                                703

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<210> 3338

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 3338

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ttgtgtttaa aaagaccata cagggccagc cacagtggct cacacctgta atcccagcac      120
tttgggaggt cnatgtgttt ncacnctnt tnntnagnan nantntgtca tggaggctta      180
ntttgtggng tntgatgnca tactgntagg ccaacatgtg tccnaggnan agnggnangn      240
tnangccatt agcntggtgn aaacttgccg gatgttgatg ctctantaag anccgnatgt      300
gccattnttg aactntttag tantgangga gtcntggtgn tcaanatgga tntacanatg      360
cctanttacc cgnncntgnc taacnagant ntgcccacc ttcatgtcat gaaggnnntn      420
nantctttta ttcccanngt tncctnaaac gaacantttg cctgnacaca ttttctactg      480
gnaccttacn aatnagggtta tcccgatnt tcntgattac ttttctctg cncnngana      540
tngtgccnt caccctactc ctnatccnt ccattnacct nttaggccat ncncctaaac      600
gnmntgcann tntnancntc ctnntnang aattttctaa atangnntta attctctnnc      660
ctnaenttnc tcttcnnttc cngnatttn nnttnnnntt cmetntngn tntcncnct      720
anttcaancn nctcttaant ttngcnnttc ctnnttcnn t                                761

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<210> 3339

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(706)

<223> n = A,T,C or G

<400> 3339

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nctaagtctg ggctatcggt ctttccgcag nancnctcg attcgagtgg ctgagtggag      60
gcgcccagac ctgggcaggc agcaggctca ggcccacacc ttgtgathtt tgaaacccaa      120
gccagaaga tgatgtttac ttctctctcc ctggctctgc cttcttact gcaaaccatg      180
ctgtgcctta gggcccttct catagctggt cctcatggcc atgactggaa cagggatgca      240
acctctttct acacaagcac agttagttgg gtgaagtctt tnttttgttt gttttagacg      300
gagtttcaact cttgttgccc aggtggagt gaagtggcgt gaccttggt cactgcaacc      360
tccaggccag cctcagcctc cctagtagct gggactacag gcaccacta ccacgcctgg      420
ctaatctctt gtatttttag tagagatggg gtttgaccgt gttagccagg atggtctcga      480
tctcctgacc tcgtgatcca ccacctcgg cctcccaaag tgctgggatt ataggtgtga      540
gccaccgcgc cgggcgggtt gctggcatct taatgttctg taggtggaat atttccaata      600
aacacaaggt gcgtaattg aaaaaaana aaaaaaaac ttcgagcctc tagaactata      660

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gtgagtcgta ttacgtagat ccagacatga taagatacat tgatga

706

<210> 3340

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (706)

<223> n = A,T,C or G

<400> 3340

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acatcagaag	atcattgagg	aggccccagc	gcctggtatt	aaatctgaag	taagaaaaaa	120
gctgggagaa	gctgcagtca	gagctgctaa	agctgtaaat	tatgttggag	cagggactgt	180
ggagtttatt	atggactcaa	aacataattt	ctgtttcatg	gagatgaata	caaggctgca	240
agtggaacat	cctgttactg	agatgatcac	aggaactgac	ttggtggagt	ggcagcttag	300
aattgcagca	ggagagaaga	ttcctttgag	ccaggaagaa	ataactctgc	agggccatgc	360
cttcgaagct	agaatatatg	cagaagatcc	tagcaataac	ttcatgcctg	tggcaggccc	420
attagtgcac	ctctctactc	ctcgagcaga	cccttcacc	aggattgaaa	ctggagtacg	480
gcaaggagac	gaagtttccg	tgcattatga	ccccatgatt	gcgaagctgg	tcgtgtgggc	540
agcagatcgc	caggcggcat	tgacaaaact	gaggtagcgc	cttcgtcagt	acaatatgtt	600
tggactgccc	accaacattg	acttcttact	caacctgtct	ggccaccag	agtttgaagc	660
tgggaacgtg	cacactgatt	tcatccctca	acaccacaaa	cagttg		706

<210> 3341

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (709)

<223> n = A,T,C or G

<400> 3341

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ggtacgagag	tctgttgaac	aacaggctga	tagtttcaaa	gcaacacgtt	ttaaccttga	120
aactgaatgg	aagaataact	atcctcgctc	gcgggaactt	gaccggaatg	aactatttga	180
aaaagctaaa	aatgaaatcc	ttgatgaagt	tatcagctcg	agccagggtta	cacaaaaaca	240
ttgggaggaa	atccttcaac	aatctttgtg	ggaaagagta	tcaactcatg	tgattgaaaa	300
catctacctt	ccagctgcgc	agaccatgaa	ttcaggaact	tttaacacca	cagtggatat	360
caagcttaaa	cagtggactg	ataaacaact	tcctaataaa	gcagtagagg	ttgcttggga	420
gaccctacaa	gaagaatttt	cccgttttat	gacagaaccg	aaagggaaaag	agcatgatga	480
catatttgat	aaacttaaag	aggccgttaa	ggaagaaagt	attaaacgac	acaagtggaa	540
tgactttgcy	gaggacagct	tgagggttat	tcaacacaat	gctttggaag	accgatccat	600
atctgataaa	cagcaatggg	atgcagctat	ttattttatg	gaagaggctc	tgcaggctcg	660
tctcaaggat	actgaaaatg	caattgaaaa	catggtgggt	ccagactgc		709

<210> 3342

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)... (715)
 <223> n = A,T,C or G

<400> 3342

gtcctanagt	gtggtctcgn	cnmcccgan	gagntnggcg	ggngcgaatt	cggcacgagc	60
agaacttcac	agcagcctgt	cctcatcagc	aacccaacca	ccttcatcag	caacccaacc	120
accttcatca	gcaacccaac	cacctcgtca	gcaacccaac	cacctcgtca	gcaaccagc	180
caccttcac	agcaaccca	ccacctcatc	agcaacccag	ccaccttcac	cagcaaccca	240
accacctcat	cagcaaacca	accactttca	tctgcaaccc	aaccactttc	atcagcaact	300
caacaccttc	atctgcaacc	caaccacctt	catcagcaaa	ccaaccacct	tcttcagcaa	360
cccaaccacc	tcatcttgga	gaaggagaag	gaactgcaag	ccaccaagtc	ttcatttttc	420
agggtttgta	atcttcccaa	agttttcctt	tgaaaatagg	ataatgggtg	gaattttcag	480
agtgtattaca	tacctcaaca	tttttattaa	catacaacaa	tgggaaagtt	catcatccat	540
atactgcagt	cacttaacaa	acagccaatt	attgcaagat	tagaattgga	gatcttgtec	600
tcaaaagtat	aaatngtcct	ttgagttata	gaaaataatg	gaattgggat	ttctacatat	660
cattattata	cctattttta	atttaatggg	cagccaggca	tggttcacgc	tacnt	715

<210> 3343
 <211> 708
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (708)
 <223> n = A,T,C or G

<400> 3343

ctaagtctgg	ctngctcgtt	ctntccgcag	tanccctcga	gtcgaattcg	gcacgagact	60
gcctccttcc	acaagcagtg	ccctttggcc	aaagaagatt	attatcagat	attaggagtg	120
cctcgaaatg	ccagccagaa	agagatcaag	aaagcctatt	atcagctgct	ctgctcagtt	180
agtttttatt	cccggggtac	caagcagctg	cacagtcggt	gcctggggagg	cacgtagagg	240
cccctggctc	aggcagaggg	agatgggttag	actcttgacg	ggctaaaaat	ctaatttgga	300
attgaatatt	gtggatatct	agtttaaggt	aatgtcttac	agcttgagaa	tgaagcctta	360
agctgcatca	tcatatcgcc	ctgtgtggtc	tgcaggggag	caggacaagc	caagcagaaa	420
aagcgagtga	tgatccctgt	gcctgcagga	gtcgaggatg	gccagaccgt	gaggatgcct	480
gtgggaaaaa	gggaaatttt	cattacgttc	aggggtgcaga	aaagccctgt	gttccggagg	540
gacggcgacg	acatccactc	cgacctcttt	atttctatag	ctcaggtctc	tcttggggga	600
acagccagag	cccagggcct	gtacgagacg	atcaacgtga	cgatccccc	tgggactcag	660
acagaccaga	agattcggat	gggtgggaaa	ggcatcccc	ggattaac		708

<210> 3344
 <211> 713
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (713)
 <223> n = A,T,C or G

<400> 3344

gtmctaata	ctgggctctc	gtnttttctc	gcagtanccc	ntcgattcga	attcggcacg	60
aggagacagc	agccccagc	gaatgaagct	gatgccagag	tcagacccga	ggaggaagag	120
gagccactga	tggagatgag	gctccgggat	gcgcctcagc	acttctatgc	agcactgctg	180

cagctggggcc	tcaagtacct	ctttatcctt	ggtattcaga	ttctggcctg	tgccttggca	240
gcctccatcc	ttcgcaggca	tctcatgggc	tggaaaagtgt	ttgcccctaa	gttcatattt	300
gaggtgtgtg	gcttcattgt	gagcagcggt	ggacttctcc	tgggcatagc	tttgggtgatg	360
agagtggatg	gtgctgtgag	ctcctgggtc	aggcagctat	ttctggccca	gcagaggtag	420
cctagtctgt	gattactggc	acttggctac	agagagtgt	ggagaacagt	gtagcctggc	480
ctgtacaggt	actggatgat	ctgcaagaca	ggctcagcca	tactcttact	atcatgcagc	540
cagggggccgc	tgacatctag	gacttcatta	ttctataatt	caggaccaca	gtggagtatg	600
atccctaact	cctgatttgg	atgcatctga	gggacaaggg	gggcggtctc	cgaagtggaa	660
taaaataggc	cgggcgtggg	gactttgcac	ctataatccc	agcactttgg	gan	713

<210> 3345

<211> 710

<212> DNA

<213> Homo sapiens

<400> 3345

ctaagtctgg	gctgcttgtt	ctttttgcag	gatcccatcg	attcggaana	gttaaaaaag	60
acattgagtg	atgtaatcca	ccctgggggc	aatagccata	ttgccaatgg	tgcggccggg	120
tgtgtggcaa	cattacttca	tgatgcagcc	atgaaccctg	cggaaagtgt	caagcagagg	180
atgcagatgt	acaactcacc	ataccaccgg	gtgacagact	gtgtacgggc	agtgtggcaa	240
aatgaagggg	ccggggcctt	ttaccgcagc	tacaccaccc	agctgaccat	gaacgttcct	300
ttccaagcca	ttcacttcat	gacctatgaa	ttcctgcagg	agcactttaa	ccccagaga	360
cggtacaacc	caagctccca	cgctctctct	ggagcttgcg	caggagctgt	agctgccgca	420
gccacaaccc	cactggacgt	ttgcaaaaaca	ctgctcaaca	cccaggagtc	cttggctttg	480
aactcacaca	ttacaggaca	tatcacaggc	atggctagt	ccttcaggac	ggtatatcaa	540
gtaggtgggg	tgaccgccta	tttccgaggg	gtgcaggcca	gagtaattta	ccagatcccc	600
tccacagcca	tcgcatgggc	tgtgtatgag	ttcttcaaat	acctaatac	taaaaggcaa	660
gaagagtggg	gggctggcaa	gtgaagtagc	actgaacgaa	gccaggggtt		710

<210> 3346

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (712)

<223> n = A,T,C or G

<400> 3346

gtactaatng	ngngctcncg	gcnngtccgc	aacagcccng	cgngtcgaat	tcggcacgag	60
gcctttttgtg	gggtctcata	cataactcag	tttccacaaa	gctgtgcccc	agctcagccc	120
tatggataga	agcatgggtc	ggggttcctt	tgtgaccag	ggtgtgtgct	ttgtccaagt	180
tactgacctt	cccaaaccct	atcaatgcac	ataaaaagag	cacttgcaaa	caatgaatct	240
agacatggac	cttcacaaa	aaataactca	aatggatcc	caggcctaaa	tgaaaaatga	300
aaaactataa	aactcctaga	agataacata	aaagaagatc	tagatgacct	agggtttggc	360
aatgactttt	tagatccagc	accaaaggca	ggatccagga	aagaaataat	tgataagctg	420
gacttcatta	aaacgaaaac	ttctgctctg	tgaaagatgc	tgccaaaaaa	tgaaaagaca	480
agccacagac	tgggagaaaa	tattttttgat	ggaaatatct	gagaagagag	gcttgttatc	540
caaaatatac	aaagaatttc	taaaactcaa	taatttgaaa	ataaacaacc	caatttaaaa	600
agtggggcaa	agatcttaaa	tgacgcctca	caaagaaga	tacacagatg	gcaaataagc	660
atatgaaaag	atgctcccg	ctgggcacgg	tggctcacgc	ccgtaatccc	gc	712

<210> 3347

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(705)

<223> n = A,T,C or G

<400> 3347

nctaagtctg	ggcncttggt	cttttngcag	gatcccatcg	attcgaattc	ggcacgaggt	60
ctagtataat	cttgatgctc	aaaccagata	aggacaatac	aagaaaggaa	gagtataggc	120
taattctacc	caataactaa	atgaagtatt	agcaaaccag	attcatcaat	aatcttttaa	180
aatcaagaa	ttaattggat	ttaggaatat	aacactgtgt	ataacaagtt	taagagaaat	240
atatgagaat	gataagactg	caattgaaag	tagaggcttt	ctctggaggg	aaaggtgagg	300
aggatgtgat	ttggaagaac	agcatgggga	ggcatcagtt	gtattgtaat	gtttattttt	360
taagctgaat	gataggtag	tagatgttca	ttgtgttctt	tttgcccttt	tgtatatctt	420
aaatatatgg	tagtgccatg	attagcaggc	ttaatagcct	tgtgagttta	aatgtcactt	480
tcaaagtctg	tatttttggg	ggagttgctt	aaacacattc	cccttggaat	ctatacaacc	540
agttaaaaaa	atcatgtata	aaccaccatg	aatataatg	aatgtactg	tatatgcatt	600
ttcatgaatg	ttgtgtcaaa	gggctttag	gaaaaaaga	tcgttaactc	ttttgcattc	660
agtgaataa	ggtggctttg	gaaatagttt	cagccttgct	aacac		705

<210> 3348

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 3348

ctaagtctgg	cngcttggtc	tttttgcagg	atcccatcga	ttcggaatga	gagctgctat	60
ttgtgtttaa	aaagaccata	cagggccagc	cacagtggct	cacacctgta	atcccagcac	120
tttggaggt	cnatgtgttt	ncacnnctnt	tnnnnagnan	nantntgtca	tgagggttta	180
ntttgtggng	tntgatgnca	tactgntagg	ccaacatgtg	tccnagnan	agnggnangn	240
tnangccatt	agcntggtgn	aaacttgccg	gatgttgatg	ctctantaag	anccgnatgt	300
gccatttntg	aactntttag	tantgangga	gtcntggtgn	tcaanatgga	tntacanatg	360
cctanttacc	cguncntgnc	taacnagant	ntgcccaacc	ttcatgtcat	gaaggnntn	420
nantctttta	ttcccanngt	tncctnaaac	gaacantttg	cctgnacaca	ttttctactg	480
gnaccttaacn	aatnagggtta	tcccgnatnt	tcntgattac	ttttcttctg	cnnnngana	540
tngtgccnt	caccctactc	ctntatccnt	ccattnacct	nttaggccat	ncncctaaac	600
gnnntgcann	tntnancntc	cctnntnang	aattttctaa	atangnntta	attctctnnc	660
ctnacnttnc	tcttcnnttc	cnngnattn	nntnnnnntt	cnctnttngn	tntcncnct	720
anttcaancn	ncctttaant	ttngcnnttc	ctcnnttcnn	t		761

<210> 3349

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(779)

<223> n = A,T,C or G

<400> 3349
 atacagctct tgttcttttt gcaggatccc atcgattcga attcggcacg aggactgttc 60
 atcctaagtt ccaactataaa caggctcatg actcggggcac agacacttct tgcgtgactt 120
 tttcctatga tggtaatgtc cttgcctctc gtggagggtga cgattcatta aaattatggg 180
 acatccgaca atttaataaa ccaacttttt cagcctcggg tcttnccacc atgttcccaa 240
 tgactgactg ctgtttcagt ccagatgata agctcattca ctggtacatc tattcaaaga 300
 ggatgtggca gcggcaaaact tgttttcttt gagcgtagga ctttccaaag ggtgtatgaa 360
 atagacatca cagatgcgag tgttgntcgc tgcctgtggc atccaaagct gaaccanac 420
 atggttgga ctggaaatgg attggctaaa gtctattacg accccacaag agtcagaggg 480
 gagcaaaatt atgtgtggtt aaaaccacgc ggaaggcaaa acaagctgag actctaactc 540
 aggactacat catcacccct catgccttgc ctatgttncg ngagccccgc caacggagta 600
 caagгнаааа gctggagaan gacagactgg atccccgaa gtcgcataaa cctgaacctn 660
 ctgtaccaag gccaggtcg tgggtggcga ntttggaaacc cacnggggca cttttttttt 720
 ctatattggg aanaacattg ttttggacaa aancgatgac agtaattctt cggaagcn 779

<210> 3350

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (704)

<223> n = A,T,C or G

<400> 3350
 atgcggncaa tgcgtgctac tcgttctttc cgcaggancc cntcgattcg ctcacctgga 60
 ataataagat cttacctaac tgggaaacaa tgtggtgctc tagaaaagtt cgagatttat 120
 ggtggcaggg aatccctcca agtgtgagag gcaaagtctg gagcttagcc attggcaacg 180
 agttaaatat caccacagag ctctttgaca tctgtcttgc ccgagccaag gagagggtggc 240
 ggctcccttag cacaggaggc tctgaagtgg agaacgaaga tgctgggtttt tcagcagcag 300
 acagagaagc cagtctggag cttattaaac tggacatttc tagaacattt cctaactctt 360
 gcattttcca gcaagggtgt ccatatcatg acatgttgca cagtattttg ggcgtttata 420
 cttgtttacc gccagatgtg ggttatgtcc agggcatgtc cttcatagca gcagtgttga 480
 tcttgaactt agatactgca gatgccttta ttgacttttc taaccttttg aatanaacct 540
 gtcaaatggc gtttttttaga gtggaccatg gccttatgtt gacttatttt gctgtcctc 600
 cagaggctcg cacactccac ttcacatgcc gttgactctc acagtctaag acttcagggc 660
 cgggaccttt gtccagcctg cacagtagag tgaggctgcc tctc 704

<210> 3351

<211> 924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (924)

<223> n = A,T,C or G

<400> 3351
 annnngnnnn nnnnnnnnnn annagnnnnn nagngttag ntttgaaacc tttagccctt 60
 ttgcaganc caccgnttcn gnagatgatg tggatanact tggatactcc cttgagtggg 120
 anatannngt gttcagactg nncaagtnta nctccanaga ctttgaagtc tgctaccag 180
 aggagcctct cagggactgg ccggagatct ccctgctgac cgagaacgac cgccactacc 240
 acattccagt cntttaannc cgctgggggc cnaacagcag ngctcaccag tgacgggtgt 300
 cacagtgcn ataaagtngt ctctgaaacc aaagctagca tttcacnatg gaaggaatta 360

ngacctattc	ttcaggatta	caggtacact	ggntgcaagc	catgcatgga	tggnttttct	420
taatnntnca	gtngatttgc	tctnaannca	nctgcanatg	aaaacanttg	gcgagtnggg	480
ngncnggact	ttgaccata	nagggggcgt	nggccacttc	acatgatggg	cggggmctat	540
tgggaccaca	aatnaaaggc	cngcntggac	ancaaacntg	ggaaaaaann	naagaangaa	600
aaaccacnnt	aaagngaaaa	nacangcntg	accttgggag	aggaaaaaaa	aaccaagttt	660
taaccggttn	atggttcatt	cattnaaaaa	aacctnnanc	ntcggacttg	tattttggag	720
gggatttaan	taccnaaana	atngggncct	tatttttnan	aataaagcnn	anaacctttt	780
accnaaagaa	ancccnannt	ttgggaatan	tggcnatntc	taaangggan	cccatnnggg	840
attnaacntt	gtnaaaaatt	aactaanact	ttcgggggaa	aagttgncna	aatngaaggt	900
ggntcanaaa	naaaanaaga	anng				924

<210> 3352

<211> 924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (924)

<223> n = A,T,C or G

<400> 3352

annnnggnnn	nnnnnnnnnn	annagnnnnn	nagnngttga	ntttgaaacc	tttagccctt	60
ttgcagancc	caccgnttcn	gnagatgatg	tggatanact	tggatactcc	cttgagtgga	120
anatanngt	gttcagactg	nmcaagtnta	nctccanaga	ctttgaagtc	tgctaccag	180
aggagcctct	cagggactgg	ccggagatct	ccctgctgac	cgagaacgac	cgccactacc	240
acattccagt	cmtttaannc	cgctgggggc	cnaacagcag	ngctcaccag	tgacggtggt	300
cacagttgcn	ataaagtngt	ctctgaaacc	aaagctagca	tttcacnatg	gaaggaatta	360
ngacctattc	ttcaggatta	caggtacact	ggntgcaagc	catgcatgga	tggnttttct	420
taatnntnca	gtngatttgc	tctnaannca	nctgcanatg	aaaacanttg	gcgagtnggg	480
ngncnggact	ttgaccata	nagggggcgt	nggccacttc	acatgatggg	cggggmctat	540
tgggaccaca	aatnaaaggc	cngcntggac	ancaaacntg	ggaaaaaann	naagaangaa	600
aaaccacnnt	aaagngaaaa	nacangcntg	accttgggag	aggaaaaaaa	aaccaagttt	660
taaccggttn	atggttcatt	cattnaaaaa	aacctnnanc	ntcggacttg	tattttggag	720
gggatttaan	taccnaaana	atngggncct	tatttttnan	aataaagcnn	anaacctttt	780
accnaaagaa	ancccnannt	ttgggaatan	tggcnatntc	taaangggan	cccatnnggg	840
attnaacntt	gtnaaaaatt	aactaanact	ttcgggggaa	aagttgncna	aatngaaggt	900
ggntcanaaa	naaaanaaga	anng				924

<210> 3353

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (785)

<223> n = A,T,C or G

<400> 3353

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cgctactacg	tagggcacaa	gggcaagttt	gggcacgagt	ttctggagtt	cgaatttcgg	120
ccggacggaa	agcttagata	tgccaacaac	agcaattaca	aaaatgatgt	gatgatcaga	180
aaagaggctt	atgtgcacaa	gagtgtaatg	gaagaactga	agagaattat	tgatgacagt	240
gaaattacaa	aagaagatga	tgctttgttg	cctcccctga	tagggttggc	cgacaggagc	300
ttgaaattgt	aattggagat	gagcacatat	cttttaccac	atcaaaaata	ggttctctta	360

ttgatgtaaa	tcagtcaaag	gatcctgaag	gccttcgagt	atcttactat	ttggtacaag	420
acttgaaatg	tttagttttc	agtcttattg	gattacactt	caagattaaa	ccaattttaa	480
ttgtatgttt	tcaggctggt	tgtatattta	attaagggat	ggganggggt	atttgtcatt	540
tacagtattg	gggtttttat	gaatgtgaag	caaacaaaaa	aaatttgtat	gtaaactgga	600
aataagaaaa	tacattagca	agccttaatg	ggatcctta	ctttgagtcc	acatgggggt	660
ggacagtccc	cacaccccat	taaattcttg	taaatgaaag	ccccctttt	gttaaaaaat	720
ttgctcta	aaaaacatac	caaatcctgg	nnnanaaann	nnnnnnnnnn	nnnnnnnnnn	780
nnnct						785

<210> 3354

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(785)

<223> n = A,T,C or G

<400> 3354

ttacatcanc	tcttgttctt	tttgcaggat	ccctcgattc	gggctagcga	tttctacctg	60
cgctactacg	tagggcacaa	gggcaagttt	gggcacgagt	ttctggagtt	cgaatttcgg	120
ccggacggaa	agcttagata	tgccaacaac	agcaattaca	aaaatgatgt	gatgatcaga	180
aaagaggctt	atgtgcacaa	gagtgtaatg	gaagaactga	agagaattat	tgatgacagt	240
gaaattacaa	aagaagatga	tgctttgtgg	cctccccctga	taggggttggc	cgacaggagc	300
ttgaaattgt	aattggagat	gagcacatat	cttttaccac	atcaaaaata	ggttctctta	360
ttgatgtaaa	tcagtcaaag	gatcctgaag	gccttcgagt	atcttactat	ttggtacaag	420
acttgaaatg	tttagttttc	agtcttattg	gattacactt	caagattaaa	ccaattttaa	480
ttgtatgttt	tcaggctggt	tgtatattta	attaagggat	ggganggggt	atttgtcatt	540
tacagtattg	gggtttttat	gaatgtgaag	caaacaaaaa	aaatttgtat	gtaaactgga	600
aataagaaaa	tacattagca	agccttaatg	ggatcctta	ctttgagtcc	acatgggggt	660
ggacagtccc	cacaccccat	taaattcttg	taaatgaaag	ccccctttt	gttaaaaaat	720
ttgctcta	aaaaacatac	caaatcctgg	nnnanaaann	nnnnnnnnnn	nnnnnnnnnn	780
nnnct						785

<210> 3355

<211> 686

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(686)

<223> n = A,T,C or G

<400> 3355

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acngtggctg	atntatatga	gtgatgtgtc	tgaggaggga	gccctgcttt	tgctgaattg	120
gagctagtgt	ttggcccaaa	aaaggaactg	ctgntttggn	ataanctgtn	ngccanngga	180
nancgagatt	atagtacacg	gcntgcagcc	tgtnccaggtg	ctagtgggca	acaaatgggt	240
atncaataaa	tggtcccatg	aacgtggaca	agaatnnnca	agacctgtgt	cttntcagaa	300
ttggaatgac	aaacnggctt	ccctttttct	cctatngntg	gtactcttat	gtgtctgata	360
tacacatttc	ctngtcttaa	cnttnaggga	gttacaattg	actaaacact	tcatgattgg	420
nttcacncca	tganccttna	tcccanggtt	tcatttgttg	acaattgctt	acttttgnng	480
ggtcttttaa	aaaggnacnc	gaaatcttca	ttattgccgt	aaaaacctta	aagatctggt	540
ggnantcaca	agaagacaaa	nggccgaaat	tttaaagggg	agggaatttt	tntatttttna	600

aagaaccttt ttngggttga nnaaaacat aatttgagcn ttcnnctttt nagaattccc 660
ctaacatctc aggttgggtg gggngg 686

<210> 3356
<211> 790
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(790)
<223> n = A,T,C or G

<400> 3356
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cggcacgggg ggagcaaata atangccctt gtgtgtgttt ttggcagana agccatgaag 120
acaagcagat gctaataaaa gaatctgcat ctttgnttgt tattccatgt taaagggntg 180
aaataaaggt aanagaatat ttgtactgtt gttatccaaa tccatctcct gttctactct 240
ctattcaaaa taatcgtaaca gtgactaaca gagctttcag accaacagta tttttatttt 300
tcattttaag ttcagggtac caacatttct ttccatggat gttgatggac gtgtcatcag 360
agctgactct ttttcaaaaa tcatttcctc tggggtgaga ataggatttt taactgggtcc 420
aaaaccctta atagagagag ttattttaca catacaagtt tcaacattgc accccagcac 480
ttttaaccag ctcatgatat cacagcttct acacgaatgg ggagaanaag gtttcatggc 540
tcatgtagac aggggttattg atttctatag taaccagaa ggatgcaata ctggcagctg 600
cagacaagtg gntaactggt ttggcagaat ggcattgtcct gctgctggaa tgtttttatg 660
gattaaagtt aaaggcttaa tgatgtaaaa agaactgatt gaagaaaagg ccgttataat 720
gggggtatta aagctcctgg aaatgtttct cgctgatagc tcactttctn cccttacttg 780
agagcttctt 790

<210> 3357
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(686)
<223> n = A,T,C or G

<400> 3357
tgtgcncgga aagatnagcc aaatgctttc aaagagctng ggacaggaaa tagaatngct 60
acngtggttg atntatatga gtgatgtgtc tgcaggagga gccctgcttt tgctgaattg 120
gagctagtgt ttggcccaaa aaaggaactg ctgntttggn ataantctgn ngccanngga 180
nancgagatt atagtacacg gcntgcagcc tgtncagggt ctagttggca acaaattgggt 240
atncaataaa tggctccatg aacgtggaca agaattnnca agaccttggt cttntcagaa 300
ttggaatgac aaacnnggctt ccctttttct cctatngntg gtactcttat gtgtctgata 360
tacacatttc ctngtctttaa cnttnaggga gttacaattg actaaacact tcatgattgg 420
nttcacncca tganccctna tcccanggtt tcatttgtgg acaattgctt acttttgngg 480
ggtcttttaa aaaggnacnc gaaatcttca ttattgccgt aaaaacctta aagatctgtt 540
ggnantcaca agaagacaaa nggccgaaat tttaaagggg aggggaatttt tntattttna 600
aagaaccttt ttngggttga nnaaaacat aatttgagcn ttcnnctttt nagaattccc 660
ctaacatctc aggttgggtg gggngg 686

<210> 3358
<211> 705
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (705)

<223> n = A,T,C or G

<400> 3358

tatncataca	gctcttggtc	tttttgagg	atccctcgat	tcgaattcgg	cacgagaaga	60
gaagctgaga	cttctgcttc	cacacccct	gcaagtgtt	tcttgaaggc	ctgggtgtat	120
cggccaggag	aggacacgga	ggaggaggaa	gatgaggatg	tggatagtga	ggataaggaa	180
gatgattcag	aagcagcctt	gggagaagct	gagtcagacc	cacatccctc	ccacccggac	240
cagagggccc	acttcagggg	ctggggatat	cgacctggaa	agagacagag	gaagaggaag	300
ctgctgagga	ctggggagaa	gctgagccct	gcccttccg	agtggccatc	tatgtacctg	360
gagagaagcc	accgcctccc	tgggctcctc	ctagctgccc	tccgactgca	aaggcggtc	420
aagcgccag	aaacccctac	tcatgatccg	gacctgaga	ctccctaaa	ggccagaaag	480
gtgcgttct	ccgagaaggt	cactgtccat	ttcctggctg	tctgggcagg	gcggccang	540
ccgcgcang	gccctgggag	cagcttgctg	gatcgagcc	gttccacgag	ataccaagc	600
ccagagactg	accctgctac	ctntgcccgc	aagctgcccc	tagaccactt	accctctgct	660
accaactgct	ctcttgctnn	ccagcaacac	cttngcantg	gcnac		705

<210> 3359

<211> 835

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (835)

<223> n = A,T,C or G

<400> 3359

tnnnnnnttt	atnttttnata	caanctcttg	ttctttttgc	aggatcccat	cgattcgttt	60
ggattgatcc	agggagaaat	ttgcactgat	ggctcagaag	cttacgtcat	ggagagtatg	120
acctacctca	cagcagggat	gctggaccac	cctggctttc	ccgactgctc	catcgaggca	180
gccatggtga	agggtgttcag	ctccgagccg	cctggcagtg	tgtgagttag	gcgctgcaga	240
tcctcggggg	cttgggctac	acaagggact	atccgtacga	gcgcatactg	cgtaaccccg	300
catcctcctc	atcttcgagg	gaaccaatga	gattctccgg	atgtacatcg	ccctgacggg	360
tctgcagcat	gccggccgca	tcctgactac	caggatccat	gagcttaaag	aggccaaagt	420
gagcacagtc	atggataacc	ttggccggag	gcttcgggac	tccctggggc	gaactgtgga	480
cctggggctg	acaggcaacc	atggagtgtg	gcacccagtg	cttgcggaca	gtgccaacaa	540
gtttgaggag	aacacctact	gcttcggccg	gacccgtgga	gacacttntt	gttccgcttt	600
ggcaagaaca	tcatgganga	acaacttggg	acttgaaagc	gggtgggcaa	cattcctnat	660
tnaaccttgt	attggcatga	cnggccgtgc	ttgtccgcng	ggccaanccg	cttccattcc	720
gcatttgggc	ttncgnaaan	ccaccgaacc	acganggnnt	ttntttgggn	ccaacaaccn	780
ttntggggtn	gggaaacctt	aactttgcaa	gaaaattttt	ttnaancctt	ntttt	835

<210> 3360

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (780)

<223> n = A,T,C or G

<400> 3360

tnnnnnnttt	aaatccatta	gctacttggt	ctttttgcag	gatcccatcg	attcgtgcgg	60
gagcaccgga	gcctgcggt	ccagacggac	gcccgcagg	tgaggtgcat	cctgacaggt	120
cacgagctgc	cctgcccgt	gccggagctc	caggtctaca	cccgcggcaa	aaagtaccag	180
cggttggtcc	gcgcctcccc	ggccttcgac	tatgcagagt	tcgagccgca	catcgtgccc	240
agcaccaana	acccgtangt	ggccnccggc	ggcgcgggga	ggcccagggc	aatnngacag	300
nccctccgnt	tgactccgcc	agtgtctgag	nccctactct	ttcanagttg	ggagccctgg	360
gaccaggca	ccaattgttc	ttgcaaactc	accctgcggc	acatcaacaa	gtgcccanaa	420
cacgtgctga	ngcacaccca	aggccggcgg	taccagcgag	cttttgtgta	aatatgaaga	480
atgtctnaag	caaggggtgg	agtacatgcc	tgctgcctgg	tgaccccgan	gangaagang	540
gaaggacaaa	tggacngtga	acggccttcg	cccgcgggaa	agcttctggg	agcccacatt	600
caatgatgaa	gggggagctg	caagtgatga	cagcatgaca	gacctgtgcc	cctgactttt	660
caccagaagg	accttgaaca	cngaggatgg	ggatggactg	atgatttttg	acaacaaaga	720
ggttgaaagg	caaancccca	aaaaaaaggc	cttgtgaagg	cagganaaan	acaacctntc	780

<210> 3361

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (780)

<223> n = A,T,C or G

<400> 3361

tnnnnnnttt	aaatccatta	gctacttggt	ctttttgcag	gatcccatcg	attcgtgcgg	60
gagcaccgga	gcctgcggt	ccagacggac	gcccgcagg	tgaggtgcat	cctgacaggt	120
cacgagctgc	cctgcccgt	gccggagctc	caggtctaca	cccgcggcaa	aaagtaccag	180
cggttggtcc	gcgcctcccc	ggccttcgac	tatgcagagt	tcgagccgca	catcgtgccc	240
agcaccaana	acccgtangt	ggccnccggc	ggcgcgggga	ggcccagggc	aatnngacag	300
nccctccgnt	tgactccgcc	agtgtctgag	nccctactct	ttcanagttg	ggagccctgg	360
gaccaggca	ccaattgttc	ttgcaaactc	accctgcggc	acatcaacaa	gtgcccanaa	420
cacgtgctga	ngcacaccca	aggccggcgg	taccagcgag	cttttgtgta	aatatgaaga	480
atgtctnaag	caaggggtgg	agtacatgcc	tgctgcctgg	tgaccccgan	gangaagang	540
gaaggacaaa	tggacngtga	acggccttcg	cccgcgggaa	agcttctggg	agcccacatt	600
caatgatgaa	gggggagctg	caagtgatga	cagcatgaca	gacctgtgcc	cctgactttt	660
caccagaagg	accttgaaca	cngaggatgg	ggatggactg	atgatttttg	acaacaaaga	720
ggttgaaagg	caaancccca	aaaaaaaggc	cttgtgaagg	cagganaaan	acaacctntc	780

<210> 3362

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (780)

<223> n = A,T,C or G

<400> 3362

tnnnnnnttt	aaatccatta	gctacttggt	ctttttgcag	gatcccatcg	attcgtgcgg	60
gagcaccgga	gcctgcggt	ccagacggac	gcccgcagg	tgaggtgcat	cctgacaggt	120
cacgagctgc	cctgcccgt	gccggagctc	caggtctaca	cccgcggcaa	aaagtaccag	180
cggttggtcc	gcgcctcccc	ggccttcgac	tatgcagagt	tcgagccgca	catcgtgccc	240
agcaccaana	acccgtangt	ggccnccggc	ggcgcgggga	ggcccagggc	aatnngacag	300

nccctccgnt	tgactccgcc	agtgcctgcag	nccctactct	ttcanagttg	ggagccctgg	360
gaccagggca	ccaattgttc	ttgcaaactc	accctgcggc	acatcaacaa	gtgcccanaa	420
cacgtgctga	ngcacaccca	aggccggcgg	taccagcgag	cttttgtgta	aatatgaaga	480
atgtctnaag	caaggggttg	agtacatgcc	tgctgcctgg	tgaccccgan	gangaagang	540
gaaggacaaa	tggaacngtga	acggccttcg	cccgcgggaa	agcttctggg	agcccacatt	600
caatgatgaa	gggggagctg	caagtgatga	cagcatgaca	gacctgtnc	cctgactttt	660
caccagaagg	accttgaaca	cngaggatgg	ggatggactg	atgatttttg	acaacaaaga	720
ggttgaaagg	caaancccca	aaaaaaaggc	cttgtgaagg	cagganaaan	acaacctntc	780

<210> 3363

<211> 917

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (917)

<223> n = A,T,C or G

<400> 3363

ttatttcata	aactattgtt	ctttttgcag	gatccatcga	ttcgaattcg	gcacgagggc	60
tcgagaggtt	tcggcttttg	ctcctgatat	gcagcgacag	aattttcggc	ccccaaactc	120
tccttaccct	ggtccgggtg	gaggaggttg	gggtagcggg	agcagcttcc	ggggaacccc	180
gggcgggggc	ggaccacggc	cgccctcccc	tcgagacggg	tacgggagtc	cgcaccacac	240
gccgccttac	gggccccggg	ctaggccgta	cgggagcagt	cactctccgc	gacacggcgg	300
cagcttcccc	gggggcccgg	tcgggtctcc	gtcccttggc	ggctaccctg	gtcctacttc	360
cagggtcccc	gcgggggtccc	agcagcaatt	cggctactcc	ccaaggcagg	annanaanca	420
ncncanggt	tntncaagga	catntacacc	atttggatca	nggcgtntta	naaaaaaan	480
aatgttaatg	anttgaaaaa	ntatttnaaa	gcctttnaat	gnttnnnnna	atccttnggg	540
nttggcctta	naaanccaan	attntngtng	gnnggntntt	aannccnnnc	aantncnnnn	600
nnattncntt	naaaacnttt	nnccanggn	cnnaaaaaaa	nggggnaann	aaaaaaactt	660
tttntntnaa	nnantttttt	tggaataatt	naaancntng	gaaaancntt	tnnntngttn	720
ntnangggaa	annantnttt	tggnncnaa	aaaacntttt	naannntnn	nggttnnnan	780
nnnttaaaaa	ntttnncccc	ccaannnnnt	nnanngnanc	ttttnnantt	ngggantaaa	840
ntnnnnnnna	gggggntttt	tttnngnnna	attnnnnnnn	annnnnnnn	nnnnngggnnt	900
ttngnnngna	annntnn					917

<210> 3364

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (778)

<223> n = A,T,C or G

<400> 3364

ttaatataca	tacanctact	tgttcttttt	gcaggatccc	atcgattcga	attcggtacg	60
agatcagagg	aggttctctc	atccttcaac	tccatgatga	actcctatat	gaagtggcag	120
aagaagatgt	tgttcaggta	gctcagattg	tcaagaatga	aatggaaagt	gctgtaaaaa	180
tgtctgtgaa	attgaaagtg	aaagtgaata	taggcgccag	ctggggagag	ctaaaggact	240
ttgatgtgta	actgtgctgt	tgatgaagtc	ctcccaggga	agcctgtgca	gatgcagtca	300
cctggaaaga	acagagatta	ccctttcacc	tacctcagca	aaacaaactt	tcaagtcttg	360
atagacttag	cctagtaatt	ttatagttag	agtttcaaac	tatatatcag	tgtctatagc	420
atcaaaaact	tctggggggc	tgggggaagt	agaataccaa	gtataatagt	tacattcact	480

ttcaaagagc	atctatgaat	ttgccttttg	tacttactgt	ggctttaaac	atattcagaa	540
cagatgcttg	aaatatgcac	ttagcacttt	ggttncacat	ctgtctgggt	aaaccatgaa	600
gaaaatgaac	tgctgcctca	atcgacccag	acagcaccat	aggcagataa	agaattggnt	660
tcaccctggg	gggtggtaggc	atcgcggtgtg	actttttttt	ctctatatca	attttcagta	720
cgggaatagt	attttaaaat	agattggctn	ataaattatg	aatctttaag	tagtagan	778

<210> 3365

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(765)

<223> n = A,T,C or G

<400> 3365

gtnnnnngtt	tgannnccat	cnttttatat	ncatttttct	actngttctt	tttgcagggg	60
tcctctgatt	cgaattcggc	acgagggggc	aaaaagatga	ccgaaattca	aactcctgaa	120
aatactcctc	gtttatttga	tttagtaaaa	gtnaaagatg	agaaaattcg	ccaagctttt	180
tattttgctt	tacgagatac	cttagtagct	gacaacttgg	atcaagccac	aagagtagca	240
tatcaaaaag	atagaagatg	gagagtggta	actttacagg	gacaaatcat	agaacagtca	300
ggacaatgac	tggtggtgga	agcaaagtaa	tgaaaggaag	aatgggttcc	tcacttggtta	360
ttgaaatctc	tgaagaagag	gtaaacaaaa	tggaatcaca	gttgcaaaac	gactctaaaa	420
aagcaatgca	aatccaagaa	cagaaagtac	aacttgaaga	aagagtagtt	aagttacggc	480
atagtgaacg	agaaatgagg	aacacactta	gaaaaattta	ctgcaagcat	ccagcgttta	540
atanagcang	aagaatattt	gaatgtccaa	gttaaggaac	ttgaagctaa	tgtacttgct	600
acagcccctg	acaaaaaaag	cagaaattgc	tagaagaaac	gttgtgcttc	aaacaaatat	660
gatgctgtgg	ctgagaagct	gtaaagtaaa	actgagttaa	ccttcccata	catcgtgaat	720
atatctactc	aggcacagca	cttgtaataa	tacataatat	gnttg		765

<210> 3366

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(807)

<223> n = A,T,C or G

<400> 3366

nettnaagcc	cttttaaaanc	cgttcgaccc	atcgatccna	ntcaggancc	aancnanatc	60
naatctgnac	gaaggaaacc	ccncnttga	gcnnaaactn	nncncttnc	ggggcaanag	120
gggtggactgg	gnnnnangng	nanagagaga	acgcanggcc	annaaggana	gaaaaccntt	180
cagcanctca	atnaactgcg	ggccaagana	tctaccgctc	tcctttctcn	cacaagnacc	240
attggccttn	nmatcngaag	catttgacaa	aaacttgctt	gtttgggcct	gtcacctcct	300
gaaaggctgn	tttagntgtg	gatgncctng	attaaggag	agagcaccta	ggagctgcct	360
gccccagctg	gggtgacggc	tgtagggctg	gggtctatgt	gcaagcccta	tatcctagcn	420
tgcagnggaa	agtgccttagc	tntgtncctg	ctgacctctg	ggcagncant	catcaaanca	480
nanagacgtg	gcngcntgtg	ggcagcatgc	ccaantncct	tgcttgactn	agcactnatt	540
tctggtagnn	tnaaaaaaga	attnaangtt	tnttgggnnn	ntttttttgg	gggnggttga	600
gggggtggcc	aaaaacatgg	ggggtagnnt	ttgagttgtt	anaaaatgt	tntgaatcaa	660
nntntntnt	nnaaacacga	tttgcccttt	taccatttat	aaagatgggn	cttatnacc	720
acngnactgg	ataaaccttt	ngggtttttt	ttggtntgga	nttggttctt	tnaaaaaatt	780
taccaaatcc	atgccctnng	ggntccn				807

<210> 3367
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (785)
 <223> n = A,T,C or G

<400> 3367
 gnnnnnttttn nnnntntaaa cccttnagct actcggttctt tttgcaggat cccatcgatt 60
 cgaattcggc acgaggctgc cacagggggg caatctttat ttgtcttact tcctaccctt 120
 tccctgttct gcctctttaa ctcagttaag ttgttctggt tgggacctgg aaaagaacct 180
 aaagaaaacc tgagtggaca gggttcatttc tgggaatgcag aaaacatttt aaaggctaga 240
 tttttagaat attctcaact agcattcttt ccattgattt gaaggggaat taactattat 300
 aatctcttga atccaaaact ggatattaag aactttcccc cttactaagt ttaagacttt 360
 tgtcatgtgg tgagtcaaact aagaccattt tgattgtaaa ccataaaaata gttcagcaag 420
 tagcccacag ttctggccta acagcagact tgctgttttc acttggtatc ctggagttgg 480
 gttgctaacc ttaatttcta tgatgttttc taaaatgaaa cttgataaag tagaccacca 540
 gctgcaccgt gttttctgta aaagtattgt tagtaagtgg ccaagagact tgaggaaaat 600
 acagattttt tggttacctt ggtcttggtt taagtcttaa aaaattaaag ataacattat 660
 aatgtagaat cagatgggac atagtccttg taagcttncc ttggaaatgt tttaaatatt 720
 taggaagctt ttaaaagacc taaattgtac tctaaaagac actnaattgt ctaatgtaca 780
 aaggn 785

<210> 3368
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (785)
 <223> n = A,T,C or G

<400> 3368
 gnnnnnttttn nnnntntaaa cccttnagct actcggttctt tttgcaggat cccatcgatt 60
 cgaattcggc acgaggctgc cacagggggg caatctttat ttgtcttact tcctaccctt 120
 tccctgttct gcctctttaa ctcagttaag ttgttctggt tgggacctgg aaaagaacct 180
 aaagaaaacc tgagtggaca gggttcatttc tgggaatgcag aaaacatttt aaaggctaga 240
 tttttagaat attctcaact agcattcttt ccattgattt gaaggggaat taactattat 300
 aatctcttga atccaaaact ggatattaag aactttcccc cttactaagt ttaagacttt 360
 tgtcatgtgg tgagtcaaact aagaccattt tgattgtaaa ccataaaaata gttcagcaag 420
 tagcccacag ttctggccta acagcagact tgctgttttc acttggtatc ctggagttgg 480
 gttgctaacc ttaatttcta tgatgttttc taaaatgaaa cttgataaag tagaccacca 540
 gctgcaccgt gttttctgta aaagtattgt tagtaagtgg ccaagagact tgaggaaaat 600
 acagattttt tggttacctt ggtcttggtt taagtcttaa aaaattaaag ataacattat 660
 aatgtagaat cagatgggac atagtccttg taagcttncc ttggaaatgt tttaaatatt 720
 taggaagctt ttaaaagacc taaattgtac tctaaaagac actnaattgt ctaatgtaca 780
 aaggn 785

<210> 3369
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1000)

<223> n = A,T,C or G

<400> 3369

aatttttttn	nncnaatttt	ttcccnaagg	gccccttaac	cttttggtt	ttccctttt	60
tttttttttg	gcccnaangg	gaaattcccc	cccccaattc	ccgnaatttt	ttcccgnnaa	120
aaattttttcc	cggggcccna	cccgnnaagg	gggaaggggg	gaaaaatttt	taaccagggg	180
gggtttaagg	gccccaaaaa	aaatttttaa	ttggggggaa	gggnttttg	gggaagggg	240
gnaaccagg	gtttanttg	aaaaccccc	ccnatTTTT	tgggacntt	tttgccac	300
ccgggggaaa	aaaggaatg	gaaagcccc	aannaatggg	cctttttcca	aaaaagaaag	360
ccttgggggg	ggaccaagg	gaaaaataag	aaattggctt	accatgggct	tggttttata	420
tgaatgatgt	gtctgcagga	ggaccctgtt	tttctgaagt	tggactagt	ttgccccaaa	480
aaagaactgt	gtttggtata	atctgttgca	gtggagaagg	agatatagtc	acggcatcac	540
ctgtcagtgc	tagtggcaac	aatgggtat	caataaatgg	ctcatgaacg	tggacaagaa	600
tttcgaagac	cttgctgtt	gncagaattg	gaatgacaaa	caggcttccc	tttttctcct	660
attggtgna	ctcttatgtg	ctgatataca	catttcctag	tcttaacttt	caggagttaa	720
caattgacta	acactccatg	attgattcag	tcatgaacct	catcccatgt	ttcatctgtg	780
ggacaattgc	ttactttggt	gggttctttt	aaaaagtaac	acgaaatcat	catattgcat	840
aaaaccttaa	aagttctgtt	ggtattcaca	agaaagacaa	aggcagaagt	ttaaaagtgg	900
anggaatttt	atattttaaa	gaactttttg	ggttgataa	aaacataatt	tgagccatcc	960
nagttttaag	tantttcact	acatctcaat	tgggtgggtg			1000

<210> 3370

<211> 1000

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1000)

<223> n = A,T,C or G

<400> 3370

aatttttttn	nncnaatttt	ttcccnaagg	gccccttaac	cttttggtt	ttccctttt	60
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aaattttttcc	cggggcccna	cccgnnaagg	gggaaggggg	gaaaaatttt	taaccagggg	180
gggtttaagg	gccccaaaaa	aaatttttaa	ttggggggaa	gggnttttg	gggaagggg	240
gnaaccagg	gtttanttg	aaaaccccc	ccnatTTTT	tgggacntt	tttgccac	300
ccgggggaaa	aaaggaatg	gaaagcccc	aannaatggg	cctttttcca	aaaaagaaag	360
ccttgggggg	ggaccaagg	gaaaaataag	aaattggctt	accatgggct	tggttttata	420
tgaatgatgt	gtctgcagga	ggaccctgtt	tttctgaagt	tggactagt	ttgccccaaa	480
aaagaactgt	gtttggtata	atctgttgca	gtggagaagg	agatatagtc	acggcatcac	540
ctgtcagtgc	tagtggcaac	aatgggtat	caataaatgg	ctcatgaacg	tggacaagaa	600
tttcgaagac	cttgctgtt	gncagaattg	gaatgacaaa	caggcttccc	tttttctcct	660
attggtgna	ctcttatgtg	ctgatataca	catttcctag	tcttaacttt	caggagttaa	720
caattgacta	acactccatg	attgattcag	tcatgaacct	catcccatgt	ttcatctgtg	780
ggacaattgc	ttactttggt	gggttctttt	aaaaagtaac	acgaaatcat	catattgcat	840
aaaaccttaa	aagttctgtt	ggtattcaca	agaaagacaa	aggcagaagt	ttaaaagtgg	900
anggaatttt	atattttaaa	gaactttttg	ggttgataa	aaacataatt	tgagccatcc	960
nagttttaag	tantttcact	acatctcaat	tgggtgggtg			1000

<210> 3371

<211> 924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (924)

<223> n = A,T,C or G

<400> 3371

annnnnggnnn	nnnnnnnnnn	annagnnnnn	nagnngttga	ntttgaaacc	tttagccctt	60
ttgcagancc	caccgnttcn	gnagatgatg	tggatanact	tggatactcc	cttgagtggg	120
anatannngt	gttcagactg	nncaagtnta	nctccanaga	ctttgaagtc	tgctaccag	180
aggagcctct	cagggactgg	ccggagatct	ccctgctgac	cgagaacgac	cgccactacc	240
acattccagt	cntttaannc	cgctgggggc	cnaacagcag	ngctcaccag	tgacggtggt	300
cacagttgcn	ataaagtngt	ctctgaaacc	aaagctagca	tttcacnatg	gaaggaatta	360
ngacctattc	ttcaggatta	caggtagact	ggntgcaagc	catgcatgga	tggnntttct	420
taatnntnca	gtngatttgc	tctnaannca	nctgcanatg	aaaacanttg	gcgagtnggg	480
ngncnggact	ttgaccata	nagggggcgt	nggccacttc	acatgatggg	cggggngctat	540
tgggaccaca	aatnaaaaggc	cngcntggac	ancaaacntg	ggaaaaaann	naagaangaa	600
aaaccacnnt	aaagnaaaa	nacangcntg	accttgggag	aggaaaaaaa	aaccaagttt	660
taaccggtmn	atggttcatt	cattnaaaaa	aacctnnanc	ntcggacttg	tattttggag	720
gggatttaan	taccnaaana	atngggncct	tatttttnan	aataaagcnn	anaacctttt	780
accnaaagaa	ancccnannt	ttgggaatan	tggcnatntc	taaangggan	cccatnnggg	840
attnaacntt	gtnaaaaatt	aactaanact	ttcgggggaa	aagttgncna	aatngaaggt	900
ggntcanaaa	naaaanaaga	anng				924

<210> 3372

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (789)

<223> n = A,T,C or G

<400> 3372

ttccatcagc	tcttgttctt	tntgcaggat	ccctcgattc	gaattcggca	cgagattcca	60
aaggtncaa	anaacttggt	cataantatg	atnatgagaa	gacancgtct	ttctnttaaa	120
acagnttant	ngccttcact	tttgtgaaaa	tagnnttcn	cacanaaaact	gactntttta	180
gacaaaagtn	taaccaatga	tngngtnngc	ttctaggata	tacactctaa	ancaactcac	240
tgtcccacgt	ggtggtcatt	gctggccnta	ntnanttgg	ccfgcntaan	natattgata	300
tctaatttcn	tttaaccacc	ntnantngnc	cttanttacc	ancnggggnn	nactncacgn	360
ggcaactgng	gcntngcntn	cttnnccagc	tcatggtgng	tgaatgttat	acaaattgcc	420
actcagatat	atttttggnc	gtaatggggg	gtacaaatga	tcatgtgatg	tgtncactca	480
tntggtgcaa	agtgcccccng	gcaccaacng	ngncnnggtn	ctcanccaca	accntgctnc	540
ctctgagatn	cacnncccnt	cancctccga	gtaangagtt	gcgntacaac	tcatcaangg	600
nanactggnt	aatattaaaa	atcatccnat	atgnccatac	tttncctntt	ttgtancctg	660
cccaannatc	ccgtcaaagg	gngtgttttn	tctngcta	ttcccaccag	ntggmntann	720
nttaattccn	ctcaggganc	aaanngttca	caatgccttt	ctttttttcc	cgnngggntt	780
ttggaagcn						789

<210> 3373

<211> 869

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (869)
 <223> n = A,T,C or G

<400> 3373

atttcaaaaa	ctcttgccctt	nttaaanacc	tnncgntact	cgatcntnca	cgaggaanga	60
ggacctaggg	acacacatat	ggtggccaca	cccaggagg	tagtgngag	ttagatttna	120
gagtcacagg	cctagggttg	gaccactcc	aaataatctc	ctcgggtgtg	gtggtgggtt	180
tatanangga	taaatgaata	ataaacattn	ntaaaatata	cgctattcct	tgntggaaat	240
gcctgctgca	cccccgtttc	cantgacntn	ccgaangngg	ntatnnggtg	gtcantggaa	300
tnacagtcaa	tccanangtn	anccngcngg	gntgcatcaa	gctgncctcg	cacctgggnt	360
nnncaccctc	tggcccacac	tggtnatgat	gccacacctt	nccatgttca	cnctgttttg	420
aaaaanncct	tttnttttcc	tcttttaaa	agaaaacatt	ganaaagatt	ttttttttta	480
atgggcccga	ccnaaaagg	agatctnccc	ncccttgtat	atnatantnn	tgacctncc	540
tacnaagang	gcgttttttg	caaaatnatt	ntttnttttt	tcncgnggtg	gtgggggaaa	600
aatttttctc	ggggggggcc	ttngnngccn	aactnttaat	tttccccatt	aaggcaannt	660
ttctttgggg	gnctttcccc	nggggcttaa	ncnttaaaact	ttggaatttt	tntnggggtt	720
ggttngnccn	taaattttta	nnaaaatggg	ngtcnaaccc	aaaaaaaaat	ntnaccctcg	780
ggggccnaaa	antttttncc	cccccttggg	ngccttttan	tttccccac	aaactttttt	840
tttttccctt	ccaaccnctt	ttattctttt				869

<210> 3374
 <211> 1128
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1128)
 <223> n = A,T,C or G

<400> 3374

gnngggggnnn	nnnnnnnggg	gnngggggnnn	ggcgnnnggn	ncgncgggnnn	ancnnnnnnnn	60
nnnnnnnggg	ggnnnncccc	cgggtttttt	ggccabaatn	ttggggccnae	aaaacccagg	120
gcccttacct	nggggncccc	ctttnttttt	tggggccang	gggnnagccc	nccncgnncc	180
cgggnanggg	ggccnggggg	gnagggccccc	gcngcnaang	ccgnaggggg	ggggggcncg	240
cggccccccn	ccannngncc	aagaganaaa	nnnaggcggc	nnagngaang	nggaannccc	300
ntggggcnng	gggnnanana	nccaagnggg	aggggggggg	ggggccggcc	gggntcgggg	360
gagnnacggn	cantnggnccn	ggggggnggg	aggggcacag	ggggaggagg	ncttnngngg	420
ggnggagcga	gcgcggggcn	cnancagngn	gggancncnn	gcaangggca	nnagangccg	480
ngnccacctt	acnnngggga	ngcaaggcnn	tnagnatnat	nggggggnagg	agcaaaaang	540
ggngnccccg	ngctaggncg	ancntggggg	agggagcngg	ccngaacagc	nggggggnnc	600
tggngagaaa	cnggagcgng	ncngnacggc	ccnggagaca	aggagcgtct	gggggagggc	660
gatggcaagg	ggtatgggng	gctgggacan	gnnggggacc	cnagnnaaaa	nncgtgnngc	720
aagngggacg	tnngggnggn	nngctggata	agggncgcaa	ggtaccnagn	cgggnncagg	780
gnncacttgg	nangcagggg	gagccgagga	cggnnagngc	gnngntgagg	gnacgncgng	840
gangacgtgc	caggnaaccc	nggggncgng	ggcgggnaaa	cnngncgagc	ncgcccgggc	900
ngcgtcgag	agcgnggnnn	aggcgannng	gtnaaggngg	ngngnggggn	angnnngggg	960
cagggggncc	aaggatnnng	aggggggnac	acntgggccc	ganggcatgg	ncngncncgg	1020
ggccgaaaca	cgggaacgcg	gggggagggc	angngngggg	nctgggggnc	cgnccggnag	1080
gggnacnggg	ggcgggggcg	cagtggncag	tgtgnnnngc	gcgagccg		1128

<210> 3375
 <211> 1128
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1128)

<223> n = A,T,C or G

<400> 3375

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gnggggggnnn nnnnnnnnggg gnggggggnnn ggcgnnnnggn ncgncgggnnn ancnnnnnnnn 60
nncnnnnnggg ggnnnccccc cgggtttttt ggccaaaatn ttgggcnnaa naaaccagg 120
gcccttacct nggggncccc cttttntttt tgggcccang ggggnagccc nccncgnncc 180
cgggnanggg ggcncggggg gnagggcccc gcngcnaang ccgnaggggg ggggggcneg 240
cgccccccnc ccannngncc aagaganaaa nnnaggcggc nnagngaang nggaannccc 300
ntggggcnng gggnnanana nccaagnggg aggggggggg ggggccggcc gggntcgggg 360
gagnnacggn cantnggncn ggggggnggg aggggcacag ggggaggagg ncttngngng 420
ggnggagcga gcgcggggcn cnancagngn gggancncnn gcaangggca nnagangccg 480
nggnccacct acnngggggga ngcaaggcnn tgnagtnat nggggggagg agcaaaaang 540
ggngncceng ngctaggncg ancntggggg agggagcnng ccngaacagc ngggggggnnc 600
tggngagagaa cnggagcgng ncngnacggc ccnggagaca aggagcgtct gggggagggc 660
gatggcaagg ggtatggng gctgggacan gngggggacc cnagnnaaa nncgtgnggc 720
aagnggggacg tnnngggngn nngctggata agggncgcaa ggtaccnagn cgggncagg 780
gngncactgg nangcagga gagccgagga cggnnagngc gnggntgagg gnacgncgng 840
gangacgtgc caggnaaccc nggggncgng ggcgggnaaa cngncgagc ncgcgggggc 900
ngcgtcgcag agcngggnnn aggcganng gtnaaggngg nggngnggg angnnngggg 960
cgaggggncn aaggatnnng aggggggnac acntgggcn ganggcatgg ncgngcncgg 1020
ggccgaaaca cgggaacgcg gggggagggc angngngggg nctgggggnc cgnccggnag 1080
gggnacnggg ggcggggggcg cagtggncag tgtgnnngcg gcgagccg 1128

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<210> 3376

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (793)

<223> n = A,T,C or G

<400> 3376

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aantacatca gctntntct ttttgcagga tcccatcgat tcgagaaagt gctagcacag 60
tttgtgtgtt ggatttgcta cttccatagt ttacttgaca tgggtcagac tgaccaatgc 120
atTTTTTTTca gtgacagtct gtagcagttg aaagetgtgaa tgtgctaggg gcaagcattt 180
gtctttgtat gtggtgaatt ttttcagttg aacaacatta tctgaccaat agtacacaca 240
cagacacaaa gtttaactgg tacttgaaac atacagatat gttaacgaaa taaccaagac 300
tcgaaatgag attatTTTTg tacacctttc tttttagtgt cttatcagtg ggctgattca 360
ttttctacat taatcagttg tttctgacca agaattattgc ttggattttt ttgaaagtac 420
aaaaagccac atagtTTTTc cagaaagggt tcaaaactcc caaagattaa cttccaactt 480
ataagtttgt ttttattttc aatctatgac ttgactggta ttaaagctgc tatttgatag 540
taattaaata tgttgtcatt gatataaacc tgtttggttc agcaaacaaa ctaaaatgat 600
tgtcataaga caggggtttt atttttcctg gtggngngtng ctgatttgng gagcatgcct 660
ttaagaatga aaaaagcctg gaatggataa cttccctta aaaaaggngc cggcattcca 720
attcaaaata ttttcgtcct ggatttnaaa gctggttggg gtaatgctaa ttaaaaattc 780
cttcagttaa ttt 793

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<210> 3377

<211> 828

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(828)
<223> n = A,T,C or G

<400> 3377

tcccttttng	aaagctttaa	acctttttta	aacctttcag	ctcgggnccc	attgcngann	60
cnatctantc	nnngccggcn	ccgcncngnn	gtntnncatt	nataaanngc	ttgaanatna	120
tgatgtngcc	ntctagnnac	nnagatttga	ntccgnttan	ngaattgtga	aatntgcnet	180
ggaagaaatg	ttnncttna	tgatagctcg	tgnatggaaa	aaagngcact	gnatttatta	240
cacaaactta	cnaatgcttn	acttctttac	acaacatnng	tnaantnata	tttgggntat	300
tgcatnctat	naacaatttg	tgnatgnntt	aanatgggtg	tnatnactnt	gntnnncgnc	360
annntgtttt	taacnnatan	tggccctaaa	atatgggtgt	gcttatataa	tcgcttactt	420
ctggcnactgn	aacngnnnta	cngaggacag	ntgggntttt	aacctctctn	ttgnacgttt	480
gccngaccta	cntggngctan	tatggattct	aaaagtactt	caatgnnctt	annaagaaac	540
atatecttgn	ggngtatatta	gatgcttttt	gattataccc	acacaatncc	tgaggggaca	600
ttttggggcn	tngaataataa	aacanttnna	tntccactta	ncatctgccc	cccngnggta	660
agttactatt	ngtttngcng	gtacaactaa	atnncttttc	ccantntttt	aattgggaaa	720
tagggggcga	tnnctangnc	tttantggnt	ggtntcgggc	ctcaatggac	natnnaacaa	780
ttgnnaaana	caaatntgta	aatcccggaa	ttcctnataa	aaaaaant		828

<210> 3378
<211> 793
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = A,T,C or G

<400> 3378

nnnnnnnnntt	nntttttnata	tacatncagc	tcttgttctt	tttgcaggat	cccatcgatt	60
cgctgacaac	ttgattgggt	tctccttcag	gtttgaagcg	ccctcgagaa	gtgtctaaag	120
gagacagttg	atagccaaac	aacagttttg	gatttactga	ctgattatga	aagaagcagt	180
agactggtat	caagaatcag	tcagcaagga	ggccctcacc	agacgccagt	gccatgttct	240
tggaacttctc	agcctccata	ttcatgaact	aagttttttg	aatccttagg	cttccngtgt	300
ggaaaagcctg	agctaacccta	ctggagggat	agccatcacc	tggagcagat	tcaggccatc	360
ctagttagaag	cctccctagg	ccaagcaacc	gtccaactac	cagacattga	ccattcagcc	420
ttgaacattc	agcacaaaga	caaaacagac	cagaccagaa	gagtcccaca	gaatagggga	480
aactatttcag	agaaaactta	agccactaag	ttttatgggtg	ttttgttctg	tagcagaagc	540
ataggcatac	tgacaataca	aaccgaaatc	cttctaactg	agtggacctt	ttcaggccac	600
atTTTTTnct	tgaaaacctg	gagcatgtat	catcttatag	cagagatcac	tttcacaatg	660
tttgggctct	tgatttgaat	tgatgatgta	atgagccctc	tatncagatg	nnactaatta	720
ctctgcgaat	tgactgggat	tcacaccctt	ctaataTTTT	acttttctct	ttttatcaac	780
tctcattctc	gct					793

<210> 3379
<211> 686
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (686)
 <223> n = A,T,C or G

<400> 3379

tgtgcncgga	aagatnagcc	aatgctttc	aaagagctng	ggacaggaaa	tagaatngct	60
acngtggctg	atntatatga	gtgatgtgtc	tgcaggagga	gccctgcttt	tgctgaattg	120
gagctagtgt	ttggcccaaa	aaaggaactg	ctgnnttggn	ataancgtgn	ngccannnga	180
nancgagatt	atagtacacg	gcntgcagcc	tgtncaggtg	ctagttagga	acaaatgggt	240
atncaataaa	tggctccatg	aacgtggaca	agaatnnnca	agaccttggt	cttntcagaa	300
ttggaatgac	aaacnggctt	ccctttttct	cctatngntg	gtactcttat	gtgtctgata	360
tacacatttc	ctngtcttaa	cnttnaggga	gttacaattg	actaaacact	tcatgattgg	420
nttcacncca	tgancctna	tcccanggtt	tcatttggtg	acaattgctt	acttttgngg	480
ggtcttttaa	aaaggnaacnc	gaaatcttca	ttattgccgt	aaaaacctta	aagatctggt	540
ggnantcaca	agaagacaaa	nggccgaaat	tttaaagggg	agggaatttt	tntattttna	600
aagaaccttt	ttnggttgga	nnaaaaaacat	aatttgagcn	ttcnntttt	nagaattccc	660
ctaacatctc	aggttggtg	ggngng				686

<210> 3380
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 3380

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aaggttncaa	anaacttggt	cataantatg	atnatgagaa	gacancgtct	ttctnttaaa	120
acagnttant	ngccttcaact	tttgtgaaaa	tagnnttcan	cacanaaact	gacttnttta	180
gacaaagttt	taaccaatga	tngngtnngc	ttctaggata	tacactctaa	ancaactcac	240
tgtcccacgt	ggtggtcatt	gctggccnta	ntnanttggg	cctgcntaan	natattgata	300
tctactttcn	tttaaccacc	ntnanttngc	cttanttacc	annggggann	nactncaagc	360
ggcaactgng	gcntngcntn	cttnnccagc	tcattggtng	tgaatgttat	acaaattgcc	420
actcagatat	atttttggnc	gtaatggggg	gtacaaatga	tcattgtgat	tgtncactca	480
tntggtgcaa	agtgccccng	gcaccaacng	ngncnnggtg	ctcanccaca	accntgctnc	540
ctctgagatn	cacnnccent	cancctccga	gtaangagtt	gcgntacaac	tcatcaangg	600
nanactggnt	aattattaaa	atcatccnat	atgnccatac	tttnctntt	ttgtancctg	660
cccaannatc	ccgtcaaagg	gngtggtttn	tctngctaata	ttcccaccag	ntggnttann	720
nttaattccn	ctcaggganc	aaanngttca	caatgccttt	ctttttttcc	cgnggggntt	780
ttggaagcn						789

<210> 3381
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (784)
 <223> n = A,T,C or G

<400> 3381

naacacttng	ctacnngttc	tttttgcagg	atcccatcga	ttcgaattcg	gcacgaggag	60
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atctctggga	tgtcagtgag	gctgggtgaa	gaccagaggt	aaactgcaga	ggtcaccacc	120
cccaccatgt	cccaggtgat	gtccagccca	ctgctggcag	gaggccatgc	tgtcagcttg	180
gcgccttggtg	atgagcccag	gaggaccctg	caccagcac	ccagccccag	cctgccaccc	240
cagtgttctt	actacaccac	ggaaggctgg	ggagcccagg	ccctgatggc	ccccgtgccc	300
tgcattggggc	cccctggccg	actccagcaa	gccccacagg	tggaggccaa	agccacctgc	360
ttcctgcccgt	cccctgggtga	gaaggccttg	gggaccccag	aggaccttga	ctcctacatt	420
gactttctcac	tggagagcct	caatcagatg	atcctggaac	tggaccccac	cttccagctg	480
cttccccag	ggactggggg	ctcccaggct	gagctggccc	agagcaccat	gtcaatgaga	540
aagaaggagg	aatctgaagc	cttgggtaag	gatttggggc	acagtaccag	gagggggggct	600
tgggtgccaga	cctcatgagg	aagaaggatt	ttcctatgta	cagagaaggg	gacccctgtc	660
ctgttgggan	gtgctgtgca	aacctaacca	aagttactaa	cccctctggt	ttctgngggt	720
acacaaangg	ggataaatac	aaagctttnc	ctnaactagc	caattctatt	tgggtttcct	780
gagt						784

<210> 3382

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3382

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agttcaaca	gaaattgcat	tgttattaca	gagaaagcaa	gaactagttg	cagaactgga	120
ccaggatgaa	aaggaccagc	aaaatacatc	tgcctggta	caggaacata	aaaagctttt	180
agatgaaac	aaaagccttt	ctacttacta	ccagcaatgc	aaaaaacaac	tagagggtcat	240
cagaagtcag	cagcagaaac	gacaaggcac	ttcatgattc	tctgggaccg	ttacattttg	300
aaatatgcaa	agaaagactt	tttttaagga	aaggaaaacc	ttataatgac	gattcatgag	360
tgtagctttt	ttggcgtgtt	ctgaatgcc	actgcctata	tttgctgcat	ttttttcatt	420
gtttattttc	cttttctcat	ggtggacata	caattttact	gtttcattgc	ataacatggt	480
agcatctgtg	acttgaatga	gcagcacttt	gcaacttcaa	aacagatgca	gtgaactgtg	540
gctgtataty	cttgcctcat	gtgtgaaggt	tgcctaaca	gaacaggagg	tatcaactta	600
gctgctatgt	gcaaacagcg	tccatttttt	catattagag	gtggaacctc	aagaatgact	660
ttattcttgn	atctcatctc	aaaatattaa	taattttttt	nccaaaaaga	tggatatatac	720
caagttaaag	acagggtatt	ataaatttag	agtgattgnt	ggatattacc	ggaaa	775

<210> 3383

<211> 1044

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1044)

<223> n = A,T,C or G

<400> 3383

naacgcnnngc	tacttgttct	ttttgcagga	tcccatcgat	tccaattcgg	cacgagcccc	60
ggctcgtgtag	cggtggtata	ctacggtcaa	tgctctgaaa	tctgtggagc	aaaccacagt	120
ttcatgccca	tcgtcctaga	attaattccc	ctaaaaatct	ttgaaatagg	gcccgtattt	180
accctatagc	acccctcta	gagccaatan	annaantnat	nntnnnaanc	ncnnnancnt	240
ananaancctc	nancctttan	aactntnnng	agtcntntn	annnnnatnc	anacatgntc	300
ncatacatcn	cttatttttg	ncnnnccnnn	cctnnanngc	ncnnnnanan	angcnntntt	360

ntcaaattnn	nnnnnnnneg	nnnnnnnnntc	nnnccatnnc	nnnnnnnttc	taennatnnc	420
nnnnntnctac	nnntccnntn	cnttnnaann	ntnccncc	ntnnnngnnn	nctnnnnnt	480
tnnnntnnnn	nnnnnnnnnn	ntctnncc	nnnnnnntcc	nnnnnnnncc	nnnnntcnnnc	540
tnnnnnnnnc	nnnnnnnnnn	tnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1044

<210> 3384

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(783)

<223> n = A,T,C or G

<400> 3384

tcaacagctg	gctactcggt	ctntntgcag	gateccatcg	attcgaattc	ggcagcgagca	60
gccttggtga	cagagcgaga	ccctgtctct	aaaaaataaa	taaataaaat	attgtgagtc	120
tctgatggg	agcagtattg	catggtggtt	gagaactgag	gctctgatgt	tagaactgga	180
ttctgactta	accactggtt	tgcccacatc	ttgagccttg	gtttccctat	ctgtaaaatg	240
gcagtattct	cgggctgggt	gaggaaagga	aatgaggcca	ggcgcggtgg	ctcaggcctg	300
taatcccagc	actttggcag	gctgaggcag	gtggatgatt	tgaggccagg	agtttgagat	360
cagcctgacc	aacatggcaa	acccccgcgt	ccactaaaaa	tagaaaaaaa	tagctgggca	420
tggtggtgca	ccctgtagt	ctcagctact	tgaggagacag	aagcaggaga	attggttgaa	480
cttggaaggt	ggaggttgca	gtgagctgag	atcgaccac	tgactccat	cctgggcgac	540
agagcaagac	tgtctcaaaa	taaataaata	aataaataaa	taaagttaaa	aaanaaaaaa	600
aaaaactcga	gcctctagaa	ctatagttag	tctgtattacg	tagatccaga	catgataaga	660
tacattgatg	agttcggaca	aaccacaaac	tagaatgcan	tgaaaaaaa	tgctntatgt	720
gtgaaatttg	tgatgctatn	gcttttattt	gtaaccatta	taagctgcaa	ttaaccagtt	780
aaa						783

<210> 3385

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(783)

<223> n = A,T,C or G

<400> 3385

tcaacagctg	gctactcggt	ctntntgcag	gateccatcg	attcgaattc	ggcagcgagca	60
gccttggtga	cagagcgaga	ccctgtctct	aaaaaataaa	taaataaaat	attgtgagtc	120
tctgatggg	agcagtattg	catggtggtt	gagaactgag	gctctgatgt	tagaactgga	180
ttctgactta	accactggtt	tgcccacatc	ttgagccttg	gtttccctat	ctgtaaaatg	240
gcagtattct	cgggctgggt	gaggaaagga	aatgaggcca	ggcgcggtgg	ctcaggcctg	300
taatcccagc	actttggcag	gctgaggcag	gtggatgatt	tgaggccagg	agtttgagat	360

cagcctgacc	aacatggcaa	acccccgcgt	ccactaaaaa	tagaaaaaaa	tagctgggca	420
tgggtggtgca	cccctgtagt	ctcagctact	tgggagacag	aagcaggaga	attggttgaa	480
cttggaaggt	ggaggttgca	gtgagctgag	atcgaccac	tgactccat	cctgggcgac	540
agagcaagac	tgtctcaaaa	taaataaata	aataaataa	taaagttaa	aaanaaaaaa	600
aaaaactcga	gcctctagaa	ctatagttag	tcgtattacg	tagatccaga	catgataaga	660
tacattgatg	agttcggaca	aaccacaac	tagaatgcan	tgaaaaaaa	tgctntattt	720
gtgaaatttg	tgatgctatn	gcttttattt	gtaaccatta	taagctgcaa	ttaaccagtt	780
aaa						783

<210> 3386

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (778)

<223> n = A,T,C or G

<400> 3386

caacgctngc	tacnngttct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgagcaaa	60
gaggtagaca	gtgaagacag	tgtcctcctg	tttggtattg	catggacgat	cacggaaatc	120
atccgttact	ccttttatac	attcagtcta	ttaaaccatc	tgctttacct	catcaaatgg	180
gccaggtaca	cacttttcat	tgtgctgtac	ccaatgggag	tgtcaggaga	actgctcaca	240
atatatgcag	ctctgccctt	tgtcagacaa	gctggcctat	attccatcag	tttaccaca	300
aaatacaatt	tctcttttga	ctactatgca	ttcctgattc	taataatgat	ctcctacatt	360
ccaatttttc	cccagttata	cttccacatg	atacaccaga	gaagaaagat	cctttctcat	420
actgaagaac	acaagaaatt	tgaatagttc	ctgctttctg	cacctccac	caaaacaaac	480
ttttcaatga	tcaaaaaatg	ctgcagattt	tttgagttcc	caatacgttt	catagaaaat	540
aagtaagaac	tattttttaa	atattcaaac	aaaactaaaa	caaaaaatca	gtgtcacatg	600
ggcctgagat	tttatttttag	aaaaagggtg	ttacataaaa	cacctgggcc	agttcatttc	660
agcatgctct	ttcaaccaga	agttcttaat	atttatgatg	gcactagaaa	gggatttggc	720
attttatgtc	cttctgtgtc	cttcatgtat	ctgatcaatg	aagacctgta	ccactaan	778

<210> 3387

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (776)

<223> n = A,T,C or G

<400> 3387

catanagntc	ttgccttttt	gnaggacnct	cgattcgaat	tcggcacgag	ccccatctt	60
cactgggttat	tccacttatt	taaaatgtcc	agaataagca	aatctccata	tagaggaggt	120
agatttagtg	ttgcttcggg	atgggaggaa	tgggaagatt	gaggtctttc	ttttgcagtg	180
ataaaaaatgt	cctaaaattg	actgtagcga	tgggtcacaca	actctgaata	tgcttaagac	240
cattgaatta	cacactttac	gttgggtgaat	tgtatggatg	taaattatag	ttcaataaca	300
tagttacaaa	agataatcaa	aagcatgaaa	gcactgttga	tgtggnnttg	atctgtgtcc	360
tcaccgagtc	tnatggtgaa	atgtaagccc	cctgggtggga	ggcgatggga	ttatggggca	420
gantcctcac	aaacgggtta	gcccacccgc	tcaggctggt	ctcctgatat	tgagtcctca	480
tcacatctgg	ttgcttcaaa	gtgtgtggng	ccttcctctc	atctcctact	gctctggcca	540
tataagangt	gcctgcttct	ccttcgcctt	ntacatgatt	gtaaagtctc	ctgagcctcc	600
tagaacnaaa	gctgctngnc	tttctgtcca	tctacangan	cgtgagccca	attaaacctc	660

```

tttttttttt ttngaggnn nttntntnc nntccnnca ntttnanann cctngnanng    720
gttttnaaaa anaananngn naannnnnnn ncccccnngc ccttttaaaa taaaaa    776

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<210> 3388
<211> 780
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (780)
<223> n = A,T,C or G

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<400> 3388
tatacataga gctacttggt ctttttgcag gatcccatcg attcgaattc ggcacgaggt    60
gccatcttgc tatgtttccc aggetgggtt tgaactccca gcctcaagca atcctccctt    120
tccgcctcag cctcccaagt ggctgggggt atgggcctga gccactacac agctaagagt    180
gtcttgatg tgctaagtga atggctgggt tctgagagcc cctagagagc ttcaagatgg    240
gggctagtct ttagaaagt caagcaatgg ctaggtatgg tggccactgc ctgtaatccc    300
aggagtgttg gaggccaagg tggacagatc acctaggagt ttgagaccag cctggccaac    360
atggcgaaac actgtctcta ctaaaaagac aaaaatttagc aagacaaaaa ttagctgggc    420
ttggtggtga gttcctgtag tcccagctac ttgggaggct gaggcaggag aatcacttga    480
acctgggagg cagaggtttc agtgagctga gatcatgcca ctgcacacca gccgcctggg    540
tgacagagca agactccatc taaaaaaca aaaaagtcac gattagaggg ttggaacttt    600
cagcctttcg gcctctgctt cttgtcccca cctntgggca naagggaagg gctagagatt    660
gaattatncc aatggccaat gatttattta atcaatatga aaccttcata aaatccccta    720
agtgataaag ttcanagagc tttcaagttg gtaaagcttt tctangtgct tgggaagggn    780

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<210> 3389
<211> 815
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (815)
<223> n = A,T,C or G

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<400> 3389
gnnnntntnt atacatcagc tcttgtcttt gcggtccctc gttcgattcg gcacgagtaa    60
gaatccccac ccccatcaat tttcaggaat gggatgggtc agtaaggata acctttgtta    120
ggaaaaacaa gacactctct gctgcattta aatcaagtgc agtgcaacaa ctcttggaag    180
aaaactacag aattcactgt tcagtccata atattataat accagaagat ttcagcatag    240
cagataaaat acagcaaata ctaaccagca cagggttttag tgacaacggg ccggttccat    300
ggacatagat gacttcatca gattgttaca tggattcaac gcagaaggta ttcatttttc    360
ctagggtattt ggaaaacaga aattttcaag gtcaagaaaa gaaatgaatt ttgtattttt    420
tgtatttgag aagataatgc ttttgcttta ctgagacatt atttacttga ctatttttgg    480
ttcaatacta ctactgggtg caccatttat gattctgaat ttaaagttgg gaaaggtcta    540
agtatcaaag tttttaatat ataatgctgg tccaatctat tcataataat cttcaaggctc    600
agggagcccc cagagaccca ccaacttttn cacttatcat ttctaacagg ttattggata    660
aagaangtan ctcttctatt tacgggnat atacctggna aggccttntt tnnngncctt    720
tagctctggt tcctcnggt aattaaaaaa ggttaaaaaa atggaaaaaa aaaaaaaaaa    780
aaaaaactcc gngggcctnt agaacttttt gggggg    815

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<210> 3390
<211> 857

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (857)

<223> n = A,T,C or G

<400> 3390

tcaacngctt	ggctancgtt	ctctttgcag	gatcccatcg	attcgcgtct	canacaannn	60
aagtatncta	cccatccaca	ggcagcagac	aaggaagtac	cttctgtgac	tgnetggcaa	120
ggtcagaggc	atnaggggaag	gtaaantact	gnaactatat	tnntaaaaat	aaaagtattc	180
cctttatgag	tgtgaattac	gaatcaatgc	ccctttctac	tactttttgt	gaaaaaaatt	240
accactnctg	cancaagtct	atgcctgggt	aaccaccaac	cncccaaanc	cnagaagaag	300
nccccctttt	cgggcntntg	gaaggctgga	gnancattng	natntnggcc	aacnggnccn	360
taaantggng	aantnaccce	ctttcctttt	acaancgggt	ggcntcntna	naccancaca	420
aattntntgg	cacccgggtn	ctctnnacag	gnaaccctgn	naancaaana	aacctntggng	480
tctgcactcn	ngnggcccen	ntnctnccgc	ttgntntaaa	atgactntgn	cntncctttt	540
ttaaaattca	caaanttttt	anccnctaca	tanacatatg	aagtgagnaa	ccncanann	600
gaanattnan	aaaacntccc	agccnncttt	taactactan	tngagnnctn	tttaatnntc	660
tnatccccnn	aannttggtg	atggangecc	attcgttttn	cacctttttg	ganganaatc	720
ccnccacct	tcctnaataa	tctnntcnga	ataaaaaaaa	cncctctcat	attattcnnn	780
caanaaantn	tttnnnanna	cnccanggn	gggctccntt	tttngccccn	cncttttnna	840
nncacntcn	ntanaaa					857

<210> 3391

<211> 857

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (857)

<223> n = A,T,C or G

<400> 3391

tcaacngctt	ggctancgtt	ctctttgcag	gatcccatcg	attcgcgtct	canacaannn	60
aagtatncta	cccatccaca	ggcagcagac	aaggaagtac	cttctgtgac	tgnetggcaa	120
ggtcagaggc	atnaggggaag	gtaaantact	gnaactatat	tnntaaaaat	aaaagtattc	180
cctttatgag	tgtgaattac	gaatcaatgc	ccctttctac	tactttttgt	gaaaaaaatt	240
accactnctg	cancaagtct	atgcctgggt	aaccaccaac	cncccaaanc	cnagaagaag	300
nccccctttt	cgggcntntg	gaaggctgga	gnancattng	natntnggcc	aacnggnccn	360
taaantggng	aantnaccce	ctttcctttt	acaancgggt	ggcntcntna	naccancaca	420
aattntntgg	cacccgggtn	ctctnnacag	gnaaccctgn	naancaaana	aacctntggng	480
tctgcactcn	ngnggcccen	ntnctnccgc	ttgntntaaa	atgactntgn	cntncctttt	540
ttaaaattca	caaanttttt	anccnctaca	tanacatatg	aagtgagnaa	ccncanann	600
gaanattnan	aaaacntccc	agccnncttt	taactactan	tngagnnctn	tttaatnntc	660
tnatccccnn	aannttggtg	atggangecc	attcgttttn	cacctttttg	ganganaatc	720
ccnccacct	tcctnaataa	tctnntcnga	ataaaaaaaa	cncctctcat	attattcnnn	780
caanaaantn	tttnnnanna	cnccanggn	gggctccntt	tttngccccn	cncttttnna	840
nncacntcn	ntanaaa					857

<210> 3392

<211> 956

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (956)
 <223> n = A,T,C or G

<400> 3392

ccctcancgn	ncnnaacann	netcnnannc	tcnnatctta	netttcnna	tcnantantc	60
ncganannnn	tnctcccn	atnntaccna	nttancttac	cncctcnna	acnnctannt	120
tnaantnntt	ngnnccccng	tnntantntt	ttctaacnct	ggggaatcgc	ntctnnnag	180
ganccntcga	ntcgaaaatg	ccttcattnn	cctttttact	ttatcatgag	acataagatt	240
tattggcttc	atatcaaccc	ttaagtattg	ttaactttat	gtaatagcat	ttgggttggg	300
gattgggtgtg	ttttcggttg	tacatagcat	agttgaatta	tgtaggcat	aattatgacc	360
ttattattgt	ctttatttga	aaattatata	tgatctcagg	aaatgtgtat	gagttcaagt	420
tgacaaggag	tggaatnngg	atggttgata	ctgagtgtca	acttgattgg	attgaagcat	480
gcagagtaat	aatcctgggt	tgtgtcctgn	gagcnatgt	tcccaaanga	gaataacatt	540
tgagtcangn	gggctgggga	aaggcanacc	cacccttaaa	ctgggtgaac	accctntaat	600
caaactgtct	gctntggcca	gnatataaaa	gcangccnga	aaacntgaaa	aggctagaca	660
ggccttttagc	cctctcagcc	ctacatcttt	ctcccgtgct	tgtagnttc	ctgncctcaa	720
acnccanact	tcaagtnctt	cancttttgg	gacttgaacc	tggtctcct	tgntcntnaa	780
ntttgnatca	cnggcttacc	tgngnggnac	cttanengtt	nagttcnaat	acctccnaa	840
ttaaacncnc	ttttctntac	ananactccc	nctnaattcg	naccntnta	naantnatag	900
tgancecnc	aacctnnatc	cnnncttga	tanngancca	ttgnacnnnt	tnnnnc	956

<210> 3393
 <211> 703
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (703)
 <223> n = A,T,C or G

<400> 3393

caatgctgg	ataatgctgg	ctctngttct	ttcgcaggat	ccctcgattc	gaattcggna	60
cgaggagcaa	aataggatta	tattaaagaa	gcaaaagaat	gtcctaaaaa	ttctccctgg	120
gattaagtaa	cacagtgatt	gatattagtg	gagtagaggg	aaagatccat	gttagagata	180
gcttaagata	gggattagat	gaattgaggg	caatgactaa	agatactgct	tgcaagaaaa	240
ctggctgaga	atgagaggaa	aatcttagtt	gcttggcggg	agggggtttg	tggttgtaaa	300
agatagtttt	gtttaatctt	agtcttaa	ttaaaaccaa	gcagcaagga	tctagctgag	360
agaataattg	aatacattaa	tataggagga	cagacaaaga	tcctgaaaag	gctgggagaa	420
gagcatccaa	agcacagggtg	gagagacaaa	aagggttaggg	ctgctggcag	ctgtggagag	480
aactgtacgt	ggtaaggggg	agatataaga	tgctctgcat	aagtattttc	cctgtagatt	540
gcaaagtcac	ctatggagag	gaaaggtcca	aaatagtcac	tggggagagc	aggtgaatta	600
gatggccaag	caggggtggat	ggatcatttg	aggtttgggg	tgacagatca	actgagatcc	660
acttacactt	ctgaaaacca	agacacttta	gaaattaaca	ccg		703

<210> 3394
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (706)
 <223> n = A,T,C or G

<400> 3394

atgntgggnc	aatgcttggc	tactngttct	tttngcagga	tcccatcgat	tcgcagcgga	60
tggccgaaaa	tctaggcttc	gttgggcctt	tgaaaagcca	ggctgcagat	caaattacga	120
agctgtataa	tctcttcctg	aaaattgatg	ctactcaggt	ggaagtgaat	ccctttggtg	180
aaactccaga	aggacaagtt	gtctgttttg	atgccaaagt	aaactttgat	gacaacgcag	240
aattccgaca	aaaagacata	tttgctatgg	acgacaaatc	agagaatgag	cccattgaaa	300
atgaagctgc	caaatatgat	ctaaaataca	taggactaga	tgggaacatt	gcctgctttg	360
tgaatgggtg	tgggctcgcc	atggctactt	gtgatatcat	tttccttaat	ggtgggaagc	420
cagccaactt	cttggatctt	ggaggtggtg	taaaggaagc	tcaagtatat	caagcattca	480
aattgctcac	agctgatcct	aagggtgaag	ccatccttgt	caatatattt	ggtgggtatcg	540
tcaactgtgc	catcattgcc	aatgggatca	ccaaagcctg	cggggagcta	gaactcaagg	600
tgccctgggt	ggtccggctt	gaaggaacca	acgtccaaga	ggcccgaaag	atactcaaca	660
acagcggact	ccccattact	tcagccattg	acctggagga	tgcacg		706

<210> 3395

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(699)

<223> n = A,T,C or G

<400> 3395

gnnnctaagt	ctggctattg	ttctttttgc	aggatcccat	cgattcgaat	tcggcacgag	60
gcccagctac	gatctatatg	ctgtcatcaa	ccactatgga	ggcatgattg	gtggccacta	120
cactgcctgt	gcacgcctgc	ccaatgatcg	tagcagtcag	cgcagtgacg	tgggctggcg	180
cttgtttgat	gacagcacag	tgacaacggt	agacgagagc	caggttgtga	cgcgttatgc	240
ctatgtactc	ttctaccgcc	ggcggaactc	tctgtggag	aggcccccca	gggcaggcca	300
ctctgagcac	caccagagcc	taggcctg	agctgaggct	gctgccagcc	agggactagg	360
ccctggccag	gcccccgagg	tggccccac	gcggacagcc	cctgaacgct	tcgccccccc	420
tgtggatcgg	ccagccccca	cctacagcaa	catggaggag	gtggattagc	aggctccctgg	480
ctgatggggg	ggactggggt	tgggacaccc	acacagaggg	ccagctcctt	gccgcttctc	540
cttctctaac	ccagagggaca	ctggctctgt	cagtggggaag	ctgagsggta	tgatttgggt	600
gtggagacct	ctcagggttg	gacttcttgt	cagcttggac	ccctgaccag	tgggctttgg	660
cttctccagc	cgccttcagt	gctgcgtgat	ttgattctg			699

<210> 3396

<211> 1104

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1104)

<223> n = A,T,C or G

<400> 3396

tttcaacgct	ggctactngt	tcttttttgc	ggatcccatc	gattcgaatt	cggcacgagg	60
ttatgtctgg	ctgtagctgt	tggtcacgtg	aagatgacag	acgatgagct	tgtgtataac	120
attcacctgg	ctgtcaactt	cttgggtgtc	ttgctcaaga	aaaactggca	gaatgtccgg	180
gccttatata	tcaagagcac	catgggcaag	ccccagcgcc	tatattaagg	cacatttgaa	240
taaattctat	taccagttta	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	300
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaanann	naanaataan	cntantncnn	360
nnanttnatn	ncnancttct	ccatntacna	nnannttant	nactacannt	cncatcnnn	420

ttatcttcta	ataccnacc	ncnnatntna	ccatctacce	tntnctcaac	cntccnctn	480
natnctcttn	ntccccncn	ncaccctcnc	ncntcnantc	ctntatannt	ttctccctc	540
ncctcgmn	ctnngtncnt	tntctactgt	tntctntnta	nnctctcttc	tctnnctctc	600
ntnnctntct	nnancnttnt	tnnccnctcn	gctcnncnct	ctnnctctc	tatcttcccn	660
tntctncacn	ctctcatgca	attnnacnnt	cncnctnca	ncnatngac	tcnctctnn	720
atctntctgc	atcactnanc	nnccnnntnc	ttctctctac	cnncantctc	ttntnnnnnt	780
nnnnccnncn	cttatnacnn	nnccnnntnt	ntnnnnactc	nnntntann	nnntnncann	840
nnntnnctc	tnnnccnntn	ntnctnnntn	nnnctnnnt	ntaccnaa	nnnnnnnn	900
nnccnntna	nnntnnmatna	ntnccatncn	ctcacntatn	nnctctcn	nanannnc	960
ntccctnnn	nnatnnctcn	cttnacatac	tctctatctn	nnncnaccnc	tacnancanc	1020
tnnttntnct	nnnnntana	cncnntnnna	tntnngctct	cnnncnncac	ncntttctnn	1080
nantnatctc	ttccccngnc	naac				1104

<210> 3397

<211> 811

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(811)

<223> n = A,T,C or G

<400> 3397

ttttnnnntn	tnaatccctt	ngctaccncc	ntttgatnga	catacancta	cttggtcttt	60
ttgcagggat	cccatcgatt	cgaattcggc	acgaggaatc	accctcggct	gggaagtcag	120
ttcgnnctct	cctctcctct	cttnttgntn	gaacatggtg	cggactaaag	cagacagtgt	180
tccaggcact	tacagaaaag	tgggtggctgc	tcnagccccc	agaaaggtgc	ttggttcttc	240
cacctctgcc	actaattcna	catcagtttc	atcgaggaaa	gctgaaaata	aatatgcnng	300
aggaaccccg	tttgcggtgcg	cccaactccc	aagtggcaaa	aaggaattgg	agaattcttt	360
aggttgtccc	ctaaagattc	tgaaaaagag	aatcatattc	ctgaanaggc	acgangcagn	420
ggcttaagaa	aancaaagag	aaaagcatgt	cctttgcaac	ctgatcacac	aatgatgaa	480
aaagaataca	actttctcat	tcantntn	ataacgnctc	cttggttacc	ctggtattct	540
agaatgtaaa	tttacataaa	tgtgtttgtt	ccaattagct	ttgttgaaca	agcatttaat	600
tnaaadantt	acgttcaaat	ttagatgttc	aaaaggagnt	gngaaatttg	agaattngta	660
agactaatta	tggnaactta	gcttagtatt	caatataatg	cattgggtggg	gtttctttta	720
cccaaattaa	gggggtctagt	tctttgttaa	aatcaagnca	tttgcatctg	tgggtctaaa	780
tacaagtatt	ggtgcntttg	agaattgctt	a			811

<210> 3398

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 3398

nnntnnnnntn	tgaaancctt	nggctacttg	ttctttttgc	aggatcccat	cgattcgaat	60
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tccgcggagt	cattaaactc	ccacagtggg	cacccactg	ctgatgtaca	gactttccag	180
gcaaagcgcc	atattcatca	acaccgtcag	tcttactgta	attataaacac	tggaggtcag	240
ttagagggca	atgcagccac	ttcctatcag	aagcagactg	acaaaccacg	ccactgtagc	300
cagtttgtga	cacctccgcg	gatgaggaga	cagttctcag	cacccaatct	caaagctggg	360

cgagaaaccc	agtataaatc	agttctggac	aaacttgaaa	tcatggtgga	agaaacagac	420
agtgttagct	catgatttga	tttggttcta	cctttggcct	tgagttctta	ttatttacat	480
tataaatatt	aactggtttt	atattgntaa	gacaaaacac	tggtaaaagt	ttcaacacct	540
cccttttgct	tgtataccat	aaatgggcag	nttctgaaat	tttggataaa	gcatacaagaa	600
ctcctttttc	tgaacggttc	ctnctttttt	agtgcctaata	taataacttt	acttaccnng	660
gannnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	aaaaactcgg	ccttttaaaat	720
ataggggggn	gnnttacnna	aatccaann				749

<210> 3399

<211> 810

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (810)

<223> n = A,T,C or G

<400> 3399

canctcttgt	ctttttgcgg	accctcggtc	gaattcggcc	gagtaagaat	cccccccca	60
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tctctgctgc	atttaaatca	agtgcagtgc	aacaactctt	ggaaaaaac	tacagaattc	180
actgttcagt	ccataatatt	ataataccag	aagatttcag	catagcagat	aaaatacagc	240
aaatcctaac	cagcacaggt	tttagtgaca	acgggcccgt	tccatggaca	tagatgactt	300
catcagattg	ctacatggat	tcaacgcaga	aggtattcat	ttttcctagg	tatttggaaa	360
acagaaattt	tcaagggtcaa	gaaaagaaat	gaattttgta	ttttttgtat	ttgagaagat	420
aatgcttttg	ctttactgag	acattattta	cttgactatt	tttggccaat	actactactg	480
ntgncaccat	ttatgattct	gaatttaaag	gtggaaaggt	ctaagtatca	aagggtttta	540
tatataatgc	tggnccaatc	tattcataat	aatcttcaag	gtcaggagcc	cgcagagacn	600
cncaactttc	cacttatcat	ttctaacagt	ttattgnata	aaggatggta	cctctttcta	660
ttttaccnng	naatatacct	ggaaagggcc	ttcttttang	gnccttttaa	cctctggggtt	720
ccctcccggg	naattaaaaa	aagggtttaa	attnttgaaa	aaaaaaaaa	aaaaaaaaa	780
cctcgggggg	ccttttaaaa	actttttggg				810

<210> 3400

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (780)

<223> n = A,T,C or G

<400> 3400

gnnttnannc	cnttttnatn	cnentncagc	tcttggtctt	tntgcaggat	ccctcgattc	60
ganttcggca	cgaggtgagg	ctctcttaan	aaatttaaaa	atactgnnga	acaaagggag	120
gagtttgtct	taatctggag	tggaggaaac	ttctgngtca	ccnaacacag	aaaccatcaa	180
agaaaatctt	tacttttcna	aattagtcta	tacaaaaaaa	aangaaaatc	ttaccccaaa	240
tnanagactg	aggcatgagc	ttcaatcaat	cgangtttac	tggccnagat	tngagcntgc	300
ccagnaaagc	aacacaagtc	aaagaaacgt	ctgtggcctg	tgctctccca	aaaagttttc	360
aggaggctca	anatttgtac	atttctttaa	anggganaag	acagtggagg	anatggttat	420
gtttttgtga	gactcttant	tagtgtcccn	tgaatctaaa	ctntntggaa	natagggtga	480
acactgnaag	ancaggaggt	gacataanaa	ccaattatgc	nacacgtctc	atgttacgtg	540
gaggaatgan	gntctcatct	tatccttggt	ctgcccctgn	gcagataaac	ttgttattga	600
cattgtcagt	ntgaaattta	acagactttt	gttttangag	ttaagtttan	ggtgcacacc	660

taanatgcac ttggcatgtn ctttgtttnt tggaggatat ncatnctgaa ggtttagggg 720
 ctgccaaana atttactgct gaccanttgg gattgcagtc cctggagatt catgaggctt 780

<210> 3401

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 3401

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 gagtttgtct taatctggag tggaggaaac ttctgngtca ccnaacacag aaaccatcaa 180
 agaaaatctt tcactttcna aattagtcta tacaaaaaaa aangaaaatc ttaccccaaa 240
 tnanagactg aggcattgagc ttcaatcaat cgangtttac tggccnagat tngagcntgc 300
 ccagnaaagc aacacaagtc aaagaaacgt ctgtggcctg tgctctccca aaaagtttct 360
 aggaggtca anatttgtac atttctttaa anggganaag acagtggagc anatgggttat 420
 gtttttgtga gactcttant tagtgtcccn tgaatctaaa ctntntggaa nataggggtga 480
 aactgnaag ancagggagt gacataanaa ccaattatgc nacacgtctc atgttacgtg 540
 gaggaatgan gntctcatct tatccttggt ctgccctgn gcagataaac ttgttattga 600
 cattgtcagt ntgaaattta acagactttt gttttangag ttaagtttan ggtgcacacc 660
 taanatgcac ttggcatgtn ctttgtttnt tggaggatat ncatnctgaa ggtttagggg 720
 ctgccaaana atttactgct gaccanttgg gattgcagtc cctggagatt catgaggctt 780

<210> 3402

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 3402

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 ttcgaattcg gcacgagggg acccccacca ttaagctaaa gtaaaaccct tttgagggaa 120
 gagggagact ggggagaagg gaaaagagag aaggcagggg gtagtagggag agaaaacctt 180
 ccagcagccc agtaaaactgc gggcgaagag atctaccogt ctccctccct cccacagtta 240
 ccattggcct tgtcatcgca agcatttgac aaagacttgc ttgtttgggc ctgtcacctc 300
 ctgaaaggct gcttttagctg tggatgccct tgattaaggg agagagcgcc taggagctgc 360
 ctgccccanc tggggtgacg gctgtagggc tgggtctatg ttgcaagccc tatatcctan 420
 catgcagtg gaaagtgtta gctctctccc tctgacctc tgggcagcca gtcataaag 480
 cagagagacg tggcggcattg tgggcagcat gcccaggttc cttgctgact cagcacttat 540
 ttctgtagtt ttaaaaaaga atttaatggt tttggttgta tttttttggg ggggtgaggg 600
 tgggcaaaaa catgggggta gttctgagtt gttagaaatg tttctgaatc aagtttgttt 660
 gaaaacacgt tgtgcctttg tacccattat aagatggtca taanacccaa gaactgataa 720
 gctttggggt ttttttggtt tggtttggtt ttttgcttca ttttaccat tcatgcctag 780
 ggtttccat 789

<210> 3403

<211> 778

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 3403

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cgaattcggc acgaggggaaac ccccaccatt aagctaaaagt aaaacccttt tgaggggaaga	120
gggagactgg ggagaaggga aaagagagaa ggcagggaga gtagggagag aaaacccttcc	180
agcagcccag taaactgcgg gcgaagagat ctaccctctc ccctccctcc cacagttacc	240
attggccttg tcatcgcaag catttgacaa agacttgctt gcttgggcct gtcacctcct	300
gaaaggctgc ttttagctgtg gatgcccttg attaaggag agagcgccta ggagctgcct	360
gccccagctg ggggtgacggc tgtagggctg ggtctatgtt gcaagcccta taccctagca	420
tgcagtggaa agtgcttagc tctctccctc ctgaccttg ggcagccagt catcaaagca	480
gagagacgtg ggggcatgtg ggcagcatgc ccaggttcct tgctgactca gcaacttattt	540
ctgtagtttt aaaaaagaat ttaatgtttt tgggtgtatt tttttggggg ggtgaggggtg	600
ggcaaaaaca tgggggtagt tctgagtttg ttagaaatgt ttctgaatca agtttgtttg	660
aaacacgtgt gcctttgtac ccattataag atggtcataa gacccaagac tgataagctt	720
tggttttttt tgtttggttt ggttttgctt catttaccca ttcatgccta gggttccn	778

<210> 3404
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 3404

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attgccgcgc tggacacaga ctcccccgga gaggtctttt tccgagtggc agctgacatg	180
ttttctgacg gcaacttcaa ctggggcccg gttgtcgccc ttttctactt tgccagcaaa	240
ctggtgctca aggcctgtg caccaagggt cgggaactga tcagaacct catgggctgg	300
acattggact tcttccggga gggctgttg ggcctggatc aagaccaggg tgggtgggac	360
ggcctcctct cctactttgg gacgcccacg tggcagaccg tgaccatctt tgtggcggga	420
gtgctcacgc cctcactcac catctggaag aagatgggct gagggcccca gctgccttgg	480
actgtgtttt tcttcataa attatggcat ttttctggga ggggtgggga ttgggggaca	540
tgggcatttt tcttactttt gtaattattg ggggggtgtg ggaagagtgg tcttgagggg	600
gtaataaacc ttcttcggga cacaaaaaaa aaaaaaaaaa aactcgagcc tntagaacta	660
tagtgagtcc gtattacgta gatccagaca ttgataaaga tacattgatg agtttgagca	720
aaccacaact tgaatgcant ngaaaaaaat gctttaattt gggaaatttg gngaagcnn	779

<210> 3405
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(803)

<223> n = A,T,C or G

<400> 3405

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ctctgtcctt gctgctggtg gggaagggaa gccagatcca gcacccctg gggggccatc 180
gggagtgtgg ctgggggtga agggggctct gtggcaatat ggggttgggt agtgtgggtg 240
gcaggccatc cctctaatc ttggaacctc tgaatatggg acctcccaca gcaaagggtg 300
actttgtcat taanaaagac tggggtgggt gtggtggctc acgcctgtaa ccccgact 360
ttgggaggcc aagggtggga gatcacgagg tcaagagatc ganaccatcc tgnccgaacat 420
ggtgaaaccc catctctact aaaaatacaa aaaattagcc ggggtgtgggt gtgggcacct 480
gtcgtncac tctaaggagg ctgangcacg anaatggtgt gaacccatga ggcacacctt 540
gcantgagcg aanatcgac cactgnacgc actncaacct ggggtgacaga gcgagactcc 600
gtctcaaaaa aaaaaaatt tcaagactgg agaggtnatc ctgaattgtc cagctacncc 660
ccatgtnatc acagggcctt catgacagg ncagagccac canctttgaa ganncngtcc 720
tccccncaa cangcagct gganaaactt ggncangaca agtaggacat tcctggagcc 780
tccanaang actgggctt tnc 803

```

<210> 3406

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 3406

```

caangctggc tatcgttctc ttctcaggat cccatcgatt cgaattcggc acgagcctga 60
ggtcacatgt ggatttgcc agagccttca ggagggtgag gccggtgagg tcaggagccc 120
agctctccag ggggcttctg cctgactgg gaagggtgcc tggctcccta aaacaatgtc 180
aaagccagtc ctgctgttct ctgttgccag ggggcaggtc tgggcctggg ccaaccacgt 240
ttgttatcat ggctgtgcc ttctggacag ctgccagctc tgccctgaga ggttgtggga 300
cctctggacc cagctgacct gacaggtcat ctactcagg aggagcctg cgtctccagc 360
tcaggagaca gtctgggcca gaactggaag gagacatctg tcccgctctt ggtgacaag 420
cccgggacaa cagccagtgg gcatcacggc tctccagcac tcccttagcc gaggatacag 480
agtgatgggt gcatcctgac caatgcgaca accaacacgt gctctcacia acccctgact 540
ccgcacttt ccagtgccaa agtcaaagc tgcttgata aggagagcaa agcttctgga 600
actttattta ctctntctt ttaattntct ttaagagac tgggtcttgc tatgttggcc 660
aggctggtct tgaactcctg gcctcaagt atcctccagt ttccatctcc ctaagactgg 720
gattacaggt gtgagccgc tgtaccgaa ctttttttgg tttttgcttc ncg 773

```

<210> 3407

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 3407

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gnnnnnnnnt ttatttacat tcagntatng nnnttttgnt ntaaatacan ctcttgttct 60
ttttgcagg acccatcgat tcgaattcgg cagagggct ctcctgagt gtcgaggagg 120

```

```

acatgagtga aatgaccagc gaactcattt tttataggac tcggtgaagc cggattctgc 180
atttccctac ttgtagactc attttgtgga atagagttga tcgctgtctc ctccgcaaag 240
cattttaact cgaataagca aatgccgcct ctgtttgaac gttttggtat ttacaagaga 300
gaatcatttt acctaagaga actaattgaa ttggcagcat ccttgaaata cctccggaca 360
aggatctggg ggtgggggtg gaaaagcaac tgcgaaatag cagacggaga aattcctttg 420
gaagttattc cgtagcataa gagctgaaac ttcagagcaa gttttcattg ggcaaatgg 480
gggaacaacc tatcttcagc actcgagctc atgtcttcca aattgaccca aacacaaaga 540
agaactgggt acccaccagc aagcatgcag ttactgtgtc ttatttctat gacagcaca 600
gaaatgtgta taggataatc agtttagatg gctcaaaggc aataataaat agtaccatca 660
cccaaacat gacatttact aaaacatctc anaagttttg gccagtgggc tgatagcccg 720
ggcnaacacc cgtttatgga ttgggattct tctctgagca tcattcttcg aaanttgcag 780
aaaagtttca gggaatttaa agaagctg 808

```

<210> 3408

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (803)

<223> n = A,T,C or G

<400> 3408

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ctcgttcgca attcagagac acacataaga aactggaaga agagaaaggc aaaaaggaaa 120
aagaaagaca ggaaattgag aaagaacgga gagaaagaga gagggagcgt gaaagggaaac 180
gagaaaggcg agaacgggaa cgagaaaggg aaagagaacg tgaacgagaa aaggagaaag 240
aacgggagcg ggaacgagaa cgggataggg accgtgaccg gacaaaagaa gagaccgaga 300
tcgggatcga gagagagatc gtgaccggga tagagaaagg agctcagatc gtaataagga 360
tcgcagtcga tcaagagaaa aaagcagaga tcgtgaaagg gaacgagagc gggaaagaga 420
gagagagaga gaaccgagag cgagaacgag aacgggagcc gagagagaga gcgagagagg 480
gaaccgggag cgagaaagag aaaaagacaa aaaacgggac ccgagaagaa gatgaagaag 540
atgcatacga accgaaaaaa aaaaaaaaaa aactcgagcc tnttaactat agtgagtcgt 600
attacgtaga tccagacatg atnagatata ttgntgagtt tggaccaccc ccaacttggagc 660
gcagtgaaaa aaatgctttn tttgtgaaat tttgngatgc tnttgctttt tttgtaacca 720
tttttagctt gcaataaaca agtttnccac caaccanttg cnttcatttt ntntnttcan 780
gttcaagggg aagtttttgg aag 803

```

<210> 3409

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (823)

<223> n = A,T,C or G

<400> 3409

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tttatataca tcagttcttg ccnttttgnt ngactanagc tcttgncttt atgcaggacc 60
ctcgattcga nttctgnncg agtctctctn tctctctctg tgtctctcgg aactggttcc 120
ctgggctgac cggagccggg agaacaacct ggccctcaggg agagagacgc taccgggctt 180
acgccacccc ctctnctcaa cacaagccca aactgctacc cgcgaggtgc aagtaagcgg 240
cacctcagaa gtgtctcggg gccctgaccg ggcgcaggtg gtggtgcagt gagcagcacc 300
aaggaggcgg cagccgagcc aaaaagagcg tttgtcgccg tctagattac atcacgcaga 360

```

```

gcctccagca ncagggcggtg cangcagaaa atataactgt gacaaaggat tttaggagag 420
tggaatatgc ttatcacatg gaagcagagg tctgcattac atttacttga atttggaaaa 480
atgcaaaaata tttgtaactt tntttgttga aaagctaaga tagctnttgt tgtcatcagc 540
ccacccagct tcttatcata ctccagggtt ctggttgana atcttcgacg gcaagcctgt 600
cttggttgctg ttgagaatgc gttggcgcaa actcaaagaa gtcttgtnaa ccttggttggg 660
ccaaacctta ngaaaacctt ttacttaatt cnaaggaaga agnaaacaca aggaattggg 720
gaagggccaa atagatgatt naccnagttc nttccagact tcttcaagtt caattaactt 780
gtncnaccaa aaaaatcaaa agtggcaacn aatncattgc ttn 823

```

<210> 3410

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(795)

<223> n = A,T,C or G

<400> 3410

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tcgattcgat ttgactaaat cattgtttca caactgaata gtcttgttct tttagtagca 120
atgaaatcct aagctcttga ggccattcac ctgccaacct gaccatactg ctttcaaaag 180
tctttttctca tcagtagaat ctattttggt cacttctagt caatgaaaaa tgtaaaacttt 240
taggagagaa tgtttcctag gactcaccca ctccattcaa tgttacatta aaatagtgtg 300
atcaatcaca atgtccatct ttagacagtt ggttaaataa attatctggt ctttgaaaag 360
accgtgctgg gcgcggtggc tcttgectgt aatcccagca ctttgggagg ctgaggcggg 420
cagatcacct gagatcgggg gtttgagacc aagcctgacc aatatggaga aaccctgtct 480
ctactaagaa tacaaaatta gctgggcatg gtggtgcatg cctgtaatcc cactacttgg 540
gaggccgagg caggagaatt gcttgaaccc gggaggcana ggttgcatg aggtgagata 600
gcgccattgc actccaacct gggcaacaag agcaaaaactc tgtctcaaaa aaaaaaaaaa 660
aaaaaaaaaac tcgagcctnt aaaactatag tgaggcgat taccgtagaa tccagacatg 720
ataagataca ttgatgaagt ttggacaaac cccacacctng gaatgcngng naaaaaatgc 780
tttattttgtg naaat 795

```

<210> 3411

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 3411

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tcttttttgc ggatcccatc gattcgaatt cggcacgaga gtccacatta aaaagaaaac 120
aaaacaaacc ctaactaact tccaaatggg tctcctggtg cggggggcgtg agtggccgtg 180
ccctgggtgt gctgcctgtc tgagcaagct tccctagctg tggaaccccg ggccccctgc 240
tgccgggtct gccttggtgt catgcctgct gcacccccgt ttccactgac gtgccgtctg 300
tggttatggg gtggtcactg gaatgacggt cactccagac gtcagccggc agggatgcan 360
caggctggcc gcgcaccggg gctcgggcac cctctggccc cacactggca atgatgccac 420
accttgccat gtccacgctg ttggtcaaac ccctctgtca tgccctctta aagagaaaag 480
aagagaaaga tttttttttt taatggcana ccgaaatgga gatctttagt cctanatagg 540
atagtctgac cttctancat agtctttttg gcaaatgatt tgtgttttca gtgtgtgggg 600

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aanctgtcct	gggggctggg	gcgacagata	gcacataagc	tgtttntggg	gctgcanggg	660
ctnctgact	ggatgttggtg	ggtgttgccn	gcttnagaat	gtggcnacaa	aaagcgtana	720
ccggggccag	gtntgccgcc	tgagctggct	ccnaagntg	ggttgntcan	cgttattt	778

<210> 3412

<211> 869

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(869)

<223> n = A,T,C or G

<400> 3412

atttcaaaaa	ctcttgccct	nttaaanacc	tnnecntact	cgatcntnca	cgaggaanga	60
ggacctaggc	acacacatat	ggtggccaca	cccaggaggg	tagtgngag	ttagatttna	120
gagtccaggc	cctaggttgg	gaccactcc	aaataatctc	ctcgggtgtg	gtgggtggtt	180
tatanangga	taaatgaata	ataaacattn	ntaaaatata	cgctattcct	tgntggaaat	240
gctgtctgca	cccccgtttc	cantgacntn	ccgaangngg	ntatnnggtg	gtcantggaa	300
tnacagtcaa	tccanangtn	ancnngcngg	gntgcatcaa	gctgncctcg	cacctgggnt	360
nnncaccctc	tggcccacac	tggtnatgat	gccacacctt	nccatgttca	cnctgtttgg	420
aaaaannctt	ttntttttcc	tcttttaaag	agaaaacatt	ganaaaagatt	ttttttttta	480
atgggcccag	ccnaaaaggg	agatctnccc	ncccttgtat	atnatantnn	tgacctncc	540
tacnaagang	gcgttttttg	caaaatnatt	ntttntttt	tcnngnggtg	gtgggggaaa	600
aatttttctt	ggggggggcc	ttngnngccn	aactnttaat	tttccccatt	aaggcaannt	660
ttctttgggg	gnctttcccc	nggggcttaa	ncnttaaact	ttggaatttt	tntnggggtt	720
ggttngnccn	taaattttta	nnaaaatggt	ngtcnaaccc	aaaaaaaaat	ntnaccctcg	780
ggggccnaaa	anttttttnc	cccccttgga	ngccttttan	tttccccac	aaactttttt	840
tttttccctt	ccaaccnctt	ttattcttt				869

<210> 3413

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(807)

<223> n = A,T,C or G

<400> 3413

ntttttattta	catanagntc	ttgccttttt	nnanganata	canctacttg	ttctttntgc	60
aggancccat	cgattcgaat	tcggcacgag	gccacnanca	ggtggggggc	aggacgccnn	120
ggnnctgacc	gcctccacta	gagggnggtg	gccgcggggc	gacctggacc	ttannncnt	180
gtccngacct	nccggtgggt	gggtgcgccn	gggagccngc	nacattcctt	nttcttganc	240
agccaaanat	tggagtnena	ttcnncnang	nacntttnt	tttttnngat	cangagtgtg	300
tncaacgtac	nccctgcct	nnnaagccc	tgantccntn	atggagcctc	nnagagtggg	360
gagcatattg	gggtggggta	atgcactnca	nccaagnnga	atgnacacaa	ngggntcgtc	420
naangnnntg	nggnccctt	naccctttac	caccatgtgn	ngntngnctc	tgtggttgaa	480
catcnactn	gtncgcaaan	gganactnac	tntaaaaccc	tttgnacnan	ggtgcnaaac	540
cacagntgtg	ncctgncnca	ntanccatc	naaagaatna	caaaaccncn	tnagggcgng	600
ngggcnanct	ntcncccttg	tcnngcctg	tnnttgantg	gcctttcggc	ttaaacagtg	660
aggctcanaa	nggnccnaac	ctggggtgnt	aataaaaaga	acnaattaag	anactnttcc	720
ctccnaccct	cctttccttg	tngccagggg	gcancaaact	ngattnttga	agcccaanat	780
aaaaaaaaagg	cttnatatacn	nggaaaaa				807

<210> 3414
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (716)
 <223> n = A,T,C or G

<400> 3414
 tntcmttcaa atngcttggc tctcgttctt tctgcaggat ccctcgattc ggaaatatag 60
 agagatgtgg gatttgaatg cccatgaaag acattttatt ttacttgaat atattcttgc 120
 ttcactttac cctccataat atgttgtaga ttagtgctga tcaagtttac agagttacat 180
 tttgctttcc taaccattca gtcaggaatt aaaatatggc attgtataac aactgggaag 240
 aagctcatag tggatataaa ttagagtaga taatgggtca ccttgatagc ctctgtttac 300
 attacttgta tatgggcaaa ataattatta cctatacgtg tatttaagct taattttcat 360
 ataaacagta tttttaatct atgttaaaat agataaatc taaaagtgtg atctctaggt 420
 agtccttagt ttattagtac tgtacttcaa aaagattttt aaataggtcc ggacgngg 480
 ctcacgctg taatcccagc actttgggag gctgaggcgg gctgaatcac ctgaggtcag 540
 gagttcgaga tcagcctgnc caacatggtg aaaccctgtc tcaactaana atataaaaat 600
 tagccggggc cgtggtggca ggcgcctgta atcccagcta ctcgaggaggc tgangcagga 660
 gaatcacttg aaccaaggg gcagaanctg canttaagcc aagatcgcat cattgn 716

<210> 3415
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (774)
 <223> n = A,T,C or G

<400> 3415
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 tgcaggatcc categattcg aattcggcac gagattctct caataatggc cagccgaaaa 120
 gtacgcgctg ccaggcatct gctccgcgg agtcattaaa ctcccacagt ggtcacccca 180
 ctgctgatgt acagactttc caggcaaagc gccatattca tcaacaccgt cagtcttact 240
 gtaattataa cactggagggt cagtttagagg gcaatgcagc cacttcctat cagaagcaga 300
 ctgacaaacc cagccactgt agccagttag tgacacctcc gcggatgagg agacagttct 360
 cagcacccaa tctcaaagct ggtcgagaaa ccacagtnta aatcagttac tggacaaact 420
 tgaaatcatg gtggaagaaa cagacagtgt tagctcatga tttgatttgg ttctaccttt 480
 ggccttgagt tcttattatt tacattataa atattaactg gttttatatt gttaagacaa 540
 aacactggta aaagtttcaa cacctccctt ttgcttgat accataaatg ggcagtttct 600
 gaaattttgg ataaagcatc aagaactcct tttctgaaa cgttcctcct tttttagtgc 660
 ctaattaata tacttactta cacggaannn annnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
 nnnnnnaaac tcgnnccttt aaaactatag gngtcggtt acctaaatcc aann 774

<210> 3416
 <211> 717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 3416

tntcattcaa	gtncatange	tgggtctttt	gcaggatccc	tcgattcgaa	ttcggcacga	60	
gactgtcct	tcattcccaa	gaagaaaaga	caagtactgc	tacttccaaa	actcagacac	120	
gacttgaagg	tgaagtgact	cctaattcct	tgtcaaccag	ctacaagaca	gtgtcattgc	180	
cattaagctc	tccaaacata	aagctgaatc	tcactagccc	taaaaggggt	cagaaaagag	240	
aagaanggtg	gaaagaagtt	gtacgaaggt	caaagaaatt	gtctgttcca	gcctcagtgg	300	
tgtcgaggat	aatgggaaga	ggaggatgca	acatcactgc	aatacaggat	gttactgggtg	360	
cccatattga	tgtggataaa	canaaagata	agaatggcga	gagaatgatc	acaataaggg	420	
gtggcacaga	atcaacanga	tatgcagctc	aactaatcaa	tgcactcatt	caagatcctg	480	
ctaagggaact	ggaagacttg	attcctaaaa	atcatatcan	aacacctgcc	ancnccaaat	540	
caattcatgc	taactttctc	tctggagtag	gtaccacagc	agcttccagt	aaaaatgcat	600	
ttcctttggg	tgctccaact	cttgttnactt	cacangcaac	aaccgttatc	tacgttccca	660	
ncccgcta	aat	aaacttaata	agaatgttct	tagaaaaaaa	atntnaaaan	ctcgact	717

<210> 3417

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 3417

tgtntctttc	anttgnatgc	ncttggctac	ttgntctttt	tgcaggatcc	catcgattcg	60
aattcggcac	gagcctgttt	ccaggagata	tgtgtgncca	tcagcagtga	taaaantctt	120
gggcaggagt	tattgcactg	tctgtatgat	cnaacccac	ctnctctgct	ggaaacaagc	180
agcgtgannt	gntcacttgc	ctttcnnagn	cncatttggc	cagntgcttg	nangngaacg	240
gatccacaga	acctcacagc	tatttatgat	ancatctgct	nnattatntc	aagttcancn	300
tgtntnncn	tgctgntnna	ggtaannngn	gtntntntca	agntntttgc	aangngatga	360
caaatnaatg	tttgaatnng	tcctgatuan	ggggcctctn	atactctgga	ncatcnccaa	420
nctgantnng	aagagctgcc	ngmntatctg	ntagtgnctt	gctncttgaa	attnccaaac	480
anntgccntg	ntggaaattc	atnatggctg	gatgtttang	ngmacatttt	ncaantnctt	540
antnnncang	atgatggaat	tcnnncnatc	naacatnctn	tncgctngnt	anacttnnna	600
ttactnann	gnctntnntg	cnatnatnng	ncnctctgtg	atcatccatc	atnatctang	660
cntcaagtnn	ctaacctngn	ttngaagttg	tngcaccann	ttnt		704

<210> 3418

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 3418

tntncttnaa	atcatngctc	ttgttctttt	gcaggatccc	tcgattcgaa	ttcggcacga	60
gagaggggtg	ggctggcca	cataggtacc	tctgtggctc	tggtctgggg	ttagacactg	120
ttaggggacta	gcatttattg	gacttgtaaa	gacagcacct	cagaattagt	aactacttgc	180
attttagggg	ctgttttatg	aagccaacaa	gtgaatgtaa	aataggctct	gcactttttc	240

tgagagccct	gtcactgggc	agtgagcatt	tccaaaattg	cagctctgtc	anaatgaacc	300
atgaatactt	aagaaaggga	aagtaggaac	agggagcaga	gcaaagcata	acttgctgtg	360
ttccagggat	ttaaaaataa	attactgtca	agagcaatat	aagggtcatg	ggtttgatca	420
ggaacttttt	gtaaatgaaa	aagttcacaa	tttggaaaaa	acagtgctag	atgtgttatg	480
gaaattgtta	tcacaaatta	ttccactgaa	actcaagtat	ataagacaac	aatatattgc	540
tgtgaaatct	taattttgac	atatggaagg	gtaccaaaaa	taagaaccat	cctttttgct	600
tgaantgcac	gggtgtacca	atttctaaaa	tangaaacat	tangcaaaaa	aaanattnnc	660
ttttnnngctt	naaantanaa	aaanctngnn	cctttttaa	tttngngg		708

<210> 3419

<211> 708

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(708)

<223> n = A,T,C or G

<400> 3419

tntncttnaa	atcatngctc	ttgttctttt	gcaggatccc	tcgattcgaa	ttcggcacga	60
gagaggggtg	gggtctggca	cataggtacc	tctgtggctc	tggtctgggg	ttagacactg	120
ttagggacta	gcattttattg	gacttgtaaa	gacagcacct	cagaattagt	aactacttgc	180
attttagggg	ctgtttttatg	aagccaacaa	gtgaatgtaa	aataggctct	gcattctttc	240
tgagagccct	gtcactgggc	agtgagcatt	tccaaaattg	cagctctgtc	anaatgaacc	300
atgaatactt	aagaaaggga	aagtaggaac	agggagcaga	gcaaagcata	acttgctgtg	360
ttccagggat	ttaaaaataa	attactgtca	agagcaatat	aagggtcatg	ggtttgatca	420
ggaacttttt	gtaaatgaaa	aagttcacaa	tttggaaaaa	acagtgctag	atgtgttatg	480
gaaattgtta	tcacaaatta	ttccactgaa	actcaagtat	ataagacaac	aatatattgc	540
tgtgaaatct	taattttgac	atatggaagg	gtaccaaaaa	taagaaccat	cctttttgct	600
tgaantgcac	gggtgtacca	atttctaaaa	tangaaacat	tangcaaaaa	aaanattnnc	660
ttttnnngctt	naaantanaa	aaanctngnn	cctttttaa	tttngngg		708

<210> 3420

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 3420

tntcattcaa	gtncetaangc	tggtcttttt	gcaggatccc	tcgattcgaa	ttcggcacga	60
gactgtcctt	tcattcccaa	gaagaaaaga	caagtactgc	tacttccaaa	actcagacac	120
gacttgaagg	tgaagtgact	cctaattcct	tgtcaaccag	ctacaagaca	gtgtcattgc	180
cattaagctc	tccaaacata	aagctgaatc	tcactagccc	taaaaggggt	cagaaaagag	240
aagaanggtg	gaaagaagtt	gtacgaaggt	caaagaaatt	gtctgttcca	gcctcagtgg	300
tgtcgaggat	aatgggaaga	ggaggatgca	acatcactgc	aatacaggat	gttactgggtg	360
cccatattga	tgtggataaa	canaaagata	agaatggcga	gagaatgata	acaataaggg	420
gtggcacaga	atcaacanga	tatgcagctc	aactaatcaa	tgcactcatt	caagatcctg	480
ctaaggaaat	ggaagacttg	attcctaaaa	atcatatcan	aacacctgcc	ancnccaaat	540
caatttcagc	taactttctc	cttggagtag	gtaccacagc	agcttccagt	aaaaatgcat	600
ttcctttggg	tgetccaact	cttgttactt	cacangcaac	aaccgttatc	tacgttccca	660
ncccgcataat	aaacttaata	agaatgttct	tagaaaaaaa	atntnaaaan	ctcgact	717

<210> 3421
 <211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(743)
 <223> n = A,T,C or G

<400> 3421
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 ggcacgagag aggggtgggt ctggccacat aggtacctnt gtggctctgg tctgggggta 120
 gacactgtta gggactagca tttattggac ttgtaaagac agcacctcag aattagtaac 180
 tacttgcatt ttanggtctg ttttatgaan ccaacaagtg aatgtaaaat aggctctgca 240
 tcttttctga gagccctgtc actgggcagt gagcatttcc aaaattgcng ctctgtcaca 300
 atgaaccatg aataacttaag aaagggaaaag taggaacang gagcatagcn aagcataact 360
 tgctgtgttc canggattta aaaataaatt actgtcnaga gcaatataag ggtcatgggt 420
 ttgatcagga acttttttga aatgaaaaag ttcacaactt ggaaaaaaca gtgctagatg 480
 tgttatggaa attgttatca caaattattc cactgaaact caagtatnta anacaacaat 540
 atactgctgt gaaatnttaa ttttgacata tggaaangtn accnaaaaat tttgaaccca 600
 taccttnttg gcttnaaatt gcanggtggg taccnattt nttaaaaatn annanacctt 660
 tnnnnccaaa aatnacttna tntacaaaa aattttccnc ggnccatggt taanaacctt 720
 gnnncctttt ttnaaacttt tac 743

<210> 3422
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(738)
 <223> n = A,T,C or G

<400> 3422
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 tcccatcgat tcgaattcgg cagcagcctt ccacggttat ttcacagata tggagagctg 120
 gaagcagga gtgagtctct gagtgttgga attgtaaggg atcagaagca gggatcagaa 180
 gcagtggta agttcatcca ccataaaaaca cacaggtgac tttgccttga atctgcagga 240
 ctgaagccaa ctcttgggca cagaccctta gtccttctct tggccactct aagtcagata 300
 gtccagagcc aggccctttg ggatgtgaca ccgagataaa tcatagaaaa gctgtgaagc 360
 ttggggaaaca gagggacttt tgggtgaagta ggtggtctgc agtttctatc ttcttgggaa 420
 aagcaagctg gaaaagtga cagtgggttg taggccatag tgctcccagc tgggtgacat 480
 aatgaccaca cagcacagt atgttattag caactgtgtg gnggantant tgtgggctgg 540
 acaaatcaat cgtgtggaaa ttgttaggag tnttattaca ttaaacttgt taacctaaaa 600
 taccatnnaa aaatanaatc ngnnntaaaa cnancntata nggatgtnan aanaactcga 660
 gcttctaaaa ctntagnnga gcctttgtta cgtanatecn ngacatgnnt aagatacatt 720
 ggtnagtttt ggacaant 738

<210> 3423
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (774)
 <223> n = A,T,C or G

<400> 3423

ctnntttntt	ttngaancct	tngetcttgt	tctttttgcg	gatcccatcg	attcgtgaag	60
aggagacggt	gacctgggct	ccttatgtgc	ctgaaagagt	ttgagtttcc	tgtaactcc	120
aaatcaacag	tattttcaac	aagaaatgtg	caattgaaat	caagtgtgt	taaagtgcag	180
ctaggatttc	cacaggaaga	cacttgagc	gaacagagtt	atggagcagc	aaaacacag	240
atctatttgg	aaaaagagaa	aacatatgcg	ttgtattttg	cttcaattat	aaaataccat	300
cctctcaaag	gtgggttctaa	attacaaagg	actttgattt	ctaggtagat	tctgggtaga	360
gacttccttt	catattgagg	cattaatgac	accttttaac	ctgggaagca	atatgactgg	420
agttgtactt	tgagaagatt	aatcagggtt	gggtgcagaa	tgaaagagaa	gatgaagtca	480
agagattggt	ttagaggctc	tagcagaagc	ttagtcatat	ttcaaaatga	tcaaatatca	540
agaaaaattc	tgagctgcat	aacttgata	aagtaatttt	cagtgatatt	ttcatgggta	600
tgatnaaaga	actggattta	nccagaaacc	tttacctgga	ttcaagattt	aatttttcc	660
ttgagcctca	tccttaaagg	attttcggga	aaacattaag	gggagccaaa	nccnattggn	720
tggttgggcn	tgccctnaa	ttgccttgg	acttttttaa	ccgggctttt	gnnn	774

<210> 3424
 <211> 796
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (796)
 <223> n = A,T,C or G

<400> 3424

gccnccccnn	tttngntctc	aacttgtagc	ctttttgcan	nancncgnnc	tncttgtagg	60
ntcccatcga	ttcgaaatcg	ccacgangtt	atattaaatt	attctttgtt	tttctttttc	120
ttttaataaa	gcctgcaagt	tactaaattg	tagtttcata	aattctgtag	taaagtatca	180
tcttggcagt	gtgccaaagg	tgaaaatgat	gctttctcta	acagagaaat	tcttagtgac	240
tcagtcgta	gaaaaacgtc	tttacaacct	gaataagatt	gaagaattgt	gaacatacc	300
tggcctattg	gatgaatcat	ttgccgtagg	ctaaatcaga	ctgtagggtt	tgtgatggat	360
ttatggagta	tgtgggtata	gaaatcatga	atctagcatt	tgttttcaga	gattcaagca	420
tagtcttaag	ggtanatcag	aaatgacaaa	tgaattcaaa	acctagcagg	tgcatgtgna	480
atgtgtgcc	agttntgttt	tggaaatggc	agttcccttg	ggatcatgtt	ctactggcaa	540
aatttgcaat	antgtntctat	tgtntgtaat	ttcaaaattt	ataagattat	cccccgttcg	600
cccaagtaaa	acctgtntctg	cccaatanaa	tcctggantc	gnngagaaat	cgcntccatt	660
cgngntcaa	ctcgggatnc	ntcgncttaa	naaaatnttn	tcnnggancc	ccntcatnan	720
gaanaacacc	anactattnn	gggnacctgn	aangctcaat	ngcccnngcc	ncnnangncn	780
ntttccngg	naannn					796

<210> 3425
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (736)
 <223> n = A,T,C or G

<400> 3425

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ccaggctgga	gtgcagtggt	gtgatcatag	ctcactgcag	cctctacctc	ctgacacaag	120
ctgtcatccc	gctttggctt	ctcaaagtgc	taggattata	ggcgtgagcc	accatgcccg	180
accagtttct	gcttttatta	aaattgttca	cagttttata	cattcatggt	cattaaaaat	240
gctattttaga	aaagagtttg	ataaaataaa	tattatacaa	aattcgaaga	aaaaagaaaa	300
gagtttctgt	ttcagtcaca	aattaggggt	attgtgatgt	gtatttatga	tgaccattga	360
acaaatgtga	agaatactgn	gaattctatg	actttatcaa	aatcagccac	atcncaggag	420
cttgcagttg	ttgaccaa	gaatgatgac	atagagtag	tcagatctat	catgtgctct	480
tctatcta	cagtccaata	tttccttggn	cctcaagcca	acattcattt	tttatgtata	540
acccttcttc	atgattntna	aatnttgata	gggtaaactg	ctaagaggtt	tcacaaatgt	600
agcactttta	aaaggaaaaa	tnnnatggan	agtgaaaaca	acttgccctac	ctataattgt	660
gggtctctaa	tctttctggt	tttaaaaann	aaaantggca	ttgctaggtt	tcnnaancan	720
aaaaannaaa	aacnct					736

<210> 3426

<211> 736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (736)

<223> n = A,T,C or G

<400> 3426

ctacttgttc	tntntgcagg	atcccatcga	ttcgaattcg	gcacgangtc	actctgtcac	60
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ctgtcatccc	gctttggctt	ctcaaagtgc	taggattata	ggcgtgagcc	accatgcccg	180
accagtttct	gcttttatta	aaattgttca	cagttttata	cattcatggt	cattaaaaat	240
gctattttaga	aaagagtttg	ataaaataaa	tattatacaa	aattcgaaga	aaaaagaaaa	300
gagtttctgt	ttcagtcaca	aattaggggt	attgtgatgt	gtatttatga	tgaccattga	360
acaaatgtga	agaatactgn	gaattctatg	actttatcaa	aatcagccac	atcncaggag	420
cttgcagttg	ttgaccaa	gaatgatgac	atagagtag	tcagatctat	catgtgctct	480
tctatcta	cagtccaata	tttccttggn	cctcaagcca	acattcattt	tttatgtata	540
acccttcttc	atgattntna	aatnttgata	gggtaaactg	ctaagaggtt	tcacaaatgt	600
agcactttta	aaaggaaaaa	tnnnatggan	agtgaaaaca	acttgccctac	ctataattgt	660
gggtctctaa	tctttctggt	tttaaaaann	aaaantggca	ttgctaggtt	tcnnaancan	720
aaaaannaaa	aacnct					736

<210> 3427

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (774)

<223> n = A,T,C or G

<400> 3427

tnntntnntt	nantngaacc	cttttctctt	gctctttttg	caggatccct	cgattcgaat	60
tcgggcacgag	cacaaggaga	agaagtta	taacattgaa	ngatgagaag	acatcttgga	120
agaacttgaa	ttgggccttg	gaagaagaac	agccattcaa	atagatagaa	ttgtggtagc	180
aaaggcatag	aggtaggaaa	gtatagatct	ccaggacag	tagtcatggg	gttggggcac	240
tgtttgaatt	taaggttgga	aggatatatt	ggagcccctt	gaatacggta	acaaggcaca	300
ccttgggcag	tggagagtta	tcagagtgtt	tgaaaaggag	ggttattgag	taaataaata	360

gactgggtact	ttaggaattt	taaaatgtgg	atcattgtac	tactaataac	tattttatttt	420
atattttacta	tctactaagt	aatttacatg	tattttcttg	tactgactgt	aaaccttctg	480
ggtgtgggtg	ttttaagtgc	cattttactg	atnaagaaac	tgaggcttaa	atagttgaaa	540
taagtcaccc	tgttagttag	tggccagaat	gacaagtcag	atctanggtt	tgtctaactn	600
ccaaagatna	tataaaaata	atggatctct	ccttttccct	tatgcataaa	atatggggag	660
cntttttaaa	tcattaccca	tncgattgnc	caaaaaata	cctttnggga	aaactgatta	720
ttantattcc	anaataaatt	tcaacggcct	gcntngnctn	ctttacaact	ttnt	774

<210> 3428

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(740)

<223> n = A,T,C or G

<400> 3428

aaacantttg	ctcttgttct	ttttgcaagg	atcccatcga	ttcggccaac	ttcaattccc	60
tttttagtcat	ctacttccta	ctaacagctg	taactaggat	gagtcaaaat	caattgccta	120
tgctcaccag	atccctgata	aattcccatg	aagccacctg	aaaggtggta	aaagcaaggt	180
aaaacgtggg	gaaagcaagg	taaagaaggt	agatttcaca	attttgtttt	ttaaaaaggg	240
gaatcttccc	tgaattcttt	gaggtactaa	gtacgtgggt	taatgcata	tttcattctt	300
gttagcagtt	taaaaataat	gtttcagaga	ctgtattcac	gattgctaaa	aagcattttt	360
tctactaatc	attgttcatg	ggacttaaca	atggaagata	actgggaaag	cagtaaatat	420
aggaaaccac	taatagtgtc	tccttcttcc	taccctgacc	ctctctttgg	cttcagaaaag	480
tgacgaggaa	aatgtatctt	tcacaaagaa	aagttatacc	acagaangta	ctaaaaagca	540
acaactgcct	ttggggacag	gaaacttaca	gaggggatta	ttatagaggg	ataacatacc	600
gagtttctat	ttcaataaga	gggaaattgg	tttatattct	gttcacactt	gtttcaaaac	660
cctctcctct	aaaagcatgt	gttttttgga	attcaaggaa	tgtaccgttc	tttccccaac	720
ccttaaacctg	gggggtcann					740

<210> 3429

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(743)

<223> n = A,T,C or G

<400> 3429

tcttccattt	naagcccttt	gctacttgtt	ctttttgcag	gatcccatcg	attcgaattc	60
ggcacgagag	agggtggggg	ctggccacat	aggtacctnt	gtggctctgg	tctgggggta	120
gacactgtta	gggactagca	tttattggac	ttgtaaagac	agcacctcag	aattagtaac	180
tacttgcatt	ttanggtctg	ttttatgaan	ccaacaagtg	aatgtaaaat	aggctctgca	240
tcttttctga	gagccctgtc	actgggcagt	gagcatttcc	aaaattgcng	ctctgtcaca	300
atgaaccatg	aatacttaag	aaaggggaaag	taggaacang	gagcatagcn	aagcataact	360
tgctgtgttc	canggattta	aaaataaatt	actgtcnaga	gcaatataag	ggcatagggg	420
ttgatcagga	actttttgta	aatgaaaaag	ttcacaactt	ggaaaaaaca	gtgctagatg	480
tgttattggaa	attgttatca	caaattatcc	cactgaaact	caagtatnta	anacaacaat	540
atatcgctgt	gaaatnttaa	ttttgacata	tggaaangtn	accnaaaaat	tttgaaccca	600
taccttnttg	gcttnaaatt	gcanggtggg	taccnatttt	nttaaaaaatn	annanacctt	660
tnnnnccaaa	aatnacttna	tnctacaaaa	aattttccnc	ggnccatggg	taanaacctt	720

gnncnccttt ttnaaacttt tac

743

<210> 3430

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (776)

<223> n = A,T,C or G

<400> 3430

tgctctttna	attctaagtc	ttggctactc	gntctntttg	cangatecca	tcnattcgan	60
tncggcacga	gggcaggggc	ccttanagtc	ttggttgcca	aacagatttg	cagatcaagg	120
anaaccacag	ngtttcaaag	aagcgctagt	aangtntctg	agatcctngc	nctagctnca	180
tnctnagggt	aggangaana	tggtcnnn	aancatgcgn	gtgctcctat	tgctganctn	240
nctgnccaaa	ncatgagtc	tggttgatat	catcatgaga	cccacatgtg	ctcctgnatg	300
ganttaccac	tacttcaa	gctatgagta	ctntcagaaa	ctntngaact	ggtctgatgc	360
cctngtann	naacttntn	nctgnttggc	ctnnccntnc	tagatcaang	gancngcnnt	420
aatccccaan	ttcatntgan	tnaagatcan	nngttcctgc	tnggcacctt	tcnagnataa	480
tccccctttt	gcttgntnaa	acggaantnn	anaaggngtg	tntnnttcna	atcttattan	540
aattcttgtn	attncaattg	ctataatccc	tggaagcctg	atttctctgga	anccgtaaaa	600
cngggcttct	aagcacctta	cncnnttcca	tccttgaaag	nancccccgt	nnncatncan	660
tnagnctnct	antntaant	cntattggag	accctnaana	ttccttttac	atcaaanggn	720
nggtataana	atntttcngg	nattttncag	ganctgngta	aaattnttat	tntacc	776

<210> 3431

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (731)

<223> n = A,T,C or G

<400> 3431

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ttgaaattag	gagttagaat	tttattcttt	ggtactaagg	aatcattgaa	gattttaaaa	180
ttagggctga	cataatcaga	tttgagtttg	ggaacctata	gtttgggact	ggaggaagac	240
aggtgccaga	caccagttaa	aaagctgtta	ttttctaagc	agtagacaaa	ggtttacact	300
gacaatagct	gtggagatag	agaaaagctg	cgagatttca	gagttttcca	aggtgtaaac	360
aactaaattt	tgtgatcaaa	atgataaggg	ccatctaata	agctggggaa	tgtgggatct	420
gtcttggttg	agttggtgga	ttaactgaga	ttaacanagc	tggaaggaaat	gtaaaaagaa	480
aggcaggatt	gttcattttg	tcttttggtt	gttttgggga	acaggggtcaa	aattttcatt	540
ctgcataagg	taggttttagt	ctttttcaaa	acattctagt	aggcaagtct	gtagctgaat	600
cttggaagaa	angcaaccat	agtaatat	ttgagtttct	actgnttatt	ttttcaataa	660
aaaactcagg	ttctcaagtt	tancagattc	atnggtctta	ggaaaggtag	ctgttnaacc	720
aaaatantaa	t					731

<210> 3432

<211> 731

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(731)
 <223> n = A,T,C or G

<400> 3432

tnagtttgaa	tgcttngant	tgctaatagc	ttggctactc	gttctttntg	caggnatccc	60
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ttgaaattag	gagttagaat	tttattcttt	ggtactaagg	aatcattgaa	gattttaaaa	180
ttagggctga	cataatcaga	tttgagtttg	ggaacctata	gtttgggact	ggaggaagac	240
aggtgccaga	caccagttaa	aaagctgtta	ttttctaagc	agtagacaaa	ggtttacact	300
gacaatagct	gtggagatag	agaaaagctg	cgagatttca	gagttttcca	aggtgtaaac	360
aactaaattt	tgtgatcaaa	atgataaggg	ccatctaata	agctggggaa	tgtgggatct	420
gtcttggttg	agttggtgga	ttaactgaga	ttaacanagc	tggaggaaat	gtaaaaagaa	480
aggcaggatt	gttcattttg	tcttttgttt	gttttgggga	acaggggtcaa	aattttcatt	540
ctgcataagg	taggtttagt	ctttttcaaa	acattctagt	aggcaagtct	gtagctgaat	600
cttggagaaa	angcaaccat	agtaatattt	ttgagtttct	actgnttatt	ttttcaataa	660
aaaactcagg	ttctcaagtt	tancagattc	atnggtctta	ggaaaggtag	ctgttnaacc	720
aaaatantaa	t					731

<210> 3433
 <211> 731
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(731)
 <223> n = A,T,C or G

<400> 3433

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atcgattcga	attcggcacg	agcagtggct	ggataaaagg	atgtgtggga	aagaactgag	120
ttgaaattag	gagttagaat	tttattcttt	ggtactaagg	aatcattgaa	gattttaaaa	180
ttagggctga	calaatcaga	tttgagtttg	ggaacctata	gtttgggact	ggaggaagac	240
aggtgccaga	caccagttaa	aaagctgtta	ttttctaagc	agtagacaaa	ggtttacact	300
gacaatagct	gtggagatag	agaaaagctg	cgagatttca	gagttttcca	aggtgtaaac	360
aactaaattt	tgtgatcaaa	atgataaggg	ccatctaata	agctggggaa	tgtgggatct	420
gtcttggttg	agttggtgga	ttaactgaga	ttaacanagc	tggaggaaat	gtaaaaagaa	480
aggcaggatt	gttcattttg	tcttttgttt	gttttgggga	acaggggtcaa	aattttcatt	540
ctgcataagg	taggtttagt	ctttttcaaa	acattctagt	aggcaagtct	gtagctgaat	600
cttggagaaa	angcaaccat	agtaatattt	ttgagtttct	actgnttatt	ttttcaataa	660
aaaactcagg	ttctcaagtt	tancagattc	atnggtctta	ggaaaggtag	ctgttnaacc	720
aaaatantaa	t					731

<210> 3434
 <211> 712
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(712)
 <223> n = A,T,C or G

<400> 3434

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gagttagaat tttattcttt ggtactaagg aatcattgaa gattttaaaa ttagggctga      180
cataatcaga tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga      240
caccagttaa aaagctgtta ttttctaagc agtanacaaa ggtttacct gacaatagct      300
gtggagatag agaaaagctg cgagatttca gagttttcca aggtgtaaac aactaaattt      360
tgtgatcaaa atgataaggg ccatctaata agctggggaa tgtgggatct gtcttggttg      420
anttggtgga ttaactgaga ttaacagagc tggaggaaat gtaaaaagaa aggcaggatt      480
gttcattttg tcttttgttt gttntgggga acagggtcaa aattttcatt ctgcataagg      540
taggtttagt ctttttcaaa acattctagt aggcaagtct gtagctgaat cttggaagaa      600
aggctccata gtnatatttt tgagtttcta ctgnttattt ttcaataaaa actcangttc      660
tcangtttagc anatcatggt cttaggaagg tagctgnana accaaaatat at              712

```

<210> 3435

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (712)

<223> n = A,T,C or G

<400> 3435

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gagttagaat tttattcttt ggtactaagg aatcattgaa gattttaaaa ttagggctga      180
cataatcaga tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga      240
caccagttaa aaagctgtta ttttctaagc agtanacaaa ggtttacct gacaatagct      300
gtggagatag agaaaagctg cgagatttca gagttttcca aggtgtaaac aactaaattt      360
tgtgatcaaa atgataaggg ccatctaata agctggggaa tgtgggatct gtcttggttg      420
anttggtgga ttaactgaga ttaacagagc tggaggaaat gtaaaaagaa aggcaggatt      480
gttcattttg tcttttgttt gttntgggga acagggtcaa aattttcatt ctgcataagg      540
taggtttagt ctttttcaaa acattctagt aggcaagtct gtagctgaat cttggaagaa      600
aggctccata gtnatatttt tgagtttcta ctgnttattt ttcaataaaa actcangttc      660
tcangtttagc anatcatggt cttaggaagg tagctgnana accaaaatat at              712

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<210> 3436

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (717)

<223> n = A,T,C or G

<400> 3436

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gactgtcctt tcattcccaa gaagaaaaga caagtactgc tacttccaaa actcagacac      120
gacttggaag tgaagtgact cctaattcct tgtaaccag ctacaagaca gtgtcattgc      180
cattaagctc tccaaacata aagctgaatc tcactagccc taaaaggggg cagaaaagag      240
aagaanggtg gaaagaagtt gtacgaaggt caaagaaatt gtctgttcca gcctcagtg      300
tgtcgaggat aatgggaaga ggaggatgca acatcactgc aatacaggat gttactggtg      360
cccatattga tgtggataaa canaaagata agaatggcga gagaatgatc acaataaggg      420
gtggcacaga atcaacanga tatgcagctc aactaatcaa tgcaactcatt caagatcctg      480

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ctaaggaact	ggaagacttg	attcctaaaa	atcatatcan	aacacctgcc	ancnccaaat	540
caattcatgc	taactttctca	tctggagtag	gtaccacagc	agcttccagt	aaaaatgcat	600
ttcctttggg	tgctccaact	cttgtgnactt	cacangcaac	aaccgttatc	tacgttccca	660
nccecgtaat	aaacttaata	agaatgttct	tagaaaaaaa	atntnaaaan	ctcgact	717

<210> 3437

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(722)

<223> n = A,T,C or G

<400> 3437

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ttgttataaa	gaagtatctc	attggaccct	attatcgga	gctgcacatg	gaaagcaagg	180
ggaacaaaga	aatcctgac	ttgggaatat	ctgcctttat	cttcttaatg	ttaacggtca	240
cggaagctgct	ggacgtctcc	atggagctgg	gctgtttcct	ggctggagcg	ctcgtctcct	300
ctcagggccc	cgtggtcacc	gaggagatcg	ccacctccat	cgaacccatc	cgcgacttcc	360
tggccatcgt	tttcttcgcc	tccatagttt	ctcctggcgg	cgctggtcct	gtctctcatt	420
ctgccgagga	gcagccagta	catcaagtgg	atcgtctctg	cggggcttgc	ccaggtcagc	480
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gctgcaatca	cgaagtgtgt	gcccagaccg	gaanagacgg	tccagcctct	gatggctcgg	660
agatgatgga	cgttggaag	ggaacntct	gtggggagtg	aaccgcttaa	natggccagc	720
at						722

<210> 3438

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 3438

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ntagacaggg	tttcgcccac	gttggtcagg	ctggtctcaa	actctngacc	tcaggtgatt	180
caccacactn	agcttcccaa	agtgtggga	ttataggcgc	gagccaccat	ggctcancct	240
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atattacgag	gcacttagct	agntgnctgt	gaaatanaat	actaatgatt	gaactttcta	360
ggaagtgcct	attctgctaa	tagtgnaaat	atacacttat	ccagggtcag	naatactnna	420
gtntaccac	ttaaangate	tagacataca	tgaacttggg	cttacttgcc	cgttanaatt	480
gcatacttta	naatagtcca	tcaccttact	taangnagat	atgcntngat	tatccngatt	540
actcnntaac	atagcctctc	nccttanctg	tctcacctga	atgtantacc	tggacctctn	600
caagtcnanc	agaggccnat	aataaaagtt	canaagttta	nncnnnacac	ccctctcccc	660
cncccanta	ncccaanccc	ctcccannac	ccctctctcc	ncccaacct	cacctcnna	720
tcnccccacc	ccaactnnn	nncannctt	ccccccacc	cccnnnct	acnctcct	780
cccctnccg						789

<210> 3439
 <211> 713
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(713)
 <223> n = A,T,C or G

<400> 3439
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 ctcagatttt tattttctag aatgaagata cttaccccc aattgctgag atatttgaat 180
 aaaagtatat gtgaaggatt ttgtaattat agaatgtcct acaaatatga gtagttcggt 240
 tgctactttt ttggcgaaga aaaatattgg gatgcatgaa taatatctac ctaaggtacc 300
 taaggttgta ttcaccccat ttattgaatg ccaaggatat accagctact gctccagatg 360
 ttgtattcag ggaacagaag aagagtcctt gtgcccattg agctaacagc attctagggg 420
 aggaaagatg ggtcagctga ctttcacgat ctcaggctact gatgaagatt gtgaagatta 480
 ttacatcang tgaatgtang ggtgatttag agaaagctgg tagctaggct gttcaaggaa 540
 gggcctctgt ganaaagggg atggntggct ggntgtgggt gttcacgcct atnatcccag 600
 cactttggga ggttgggagt ttgagaccag cctgaccagc atgganaaac cccgtctcta 660
 ctaaaaatac aaaattagcc cggcatgggt gcacatgcct gtaatccagc tcc 713

<210> 3440
 <211> 713
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(713)
 <223> n = A,T,C or G

<400> 3440
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 ctcagatttt tattttctag aatgaagata cttaccccc aattgctgag atatttgaat 180
 aaaagtatat gtgaaggatt ttgtaattat agaatgtcct acaaatatga gtagttcggt 240
 tgctactttt ttggcgaaga aaaatattgg gatgcatgaa taatatctac ctaaggtacc 300
 taaggttgta ttcaccccat ttattgaatg ccaaggatat accagctact gctccagatg 360
 ttgtattcag ggaacagaag aagagtcctt gtgcccattg agctaacagc attctagggg 420
 aggaaagatg ggtcagctga ctttcacgat ctcaggctact gatgaagatt gtgaagatta 480
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 gggcctctgt ganaaagggg atggntggct ggntgtgggt gttcacgcct atnatcccag 600
 cactttggga ggttgggagt ttgagaccag cctgaccagc atgganaaac cccgtctcta 660
 ctaaaaatac aaaattagcc cggcatgggt gcacatgcct gtaatccagc tcc 713

<210> 3441
 <211> 724
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(724)

<223> n = A,T,C or G

<400> 3441

cttgcccttg	aaaancgttg	gtactngtt	ctttttgcag	gatcccatcg	attcgaattc	60
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actccctttc	ctgcctccaa	gacctggtgt	ctcccactgt	gagcccagct	gtcccacagg	180
cagtcccat	ggacctagac	tcaccttccc	cttgccctta	tgaacctctg	ctgggcccag	240
cccctgtccc	agctcccgac	ctgcacttcc	tgctggactc	aggcctccag	ctccctgccc	300
agcgagcggc	ctcagccacc	gcctcccctt	tcttccgggc	cctgctgtca	ggcagctttg	360
cagaagccca	gatggacctg	gtgcccctgc	gaggtctgtc	gcctggtgca	gcctggcctg	420
tectgcatca	tttgcatggt	tgctgggggt	gtggggctgn	nntggggccc	gtgcccacac	480
cangcnancc	cctgtatggg	atcanaggcn	cgaagangca	ntgnangctg	ntggcanntn	540
aantactgnc	tgggctggaa	nangaactnn	taaaagtcnt	ngcccnatc	caccttggn	600
cccnannttn	nnccnntant	cnnggggntn	angtggtnnn	nnctngggac	agntcnntnt	660
ggntgncna	tngnncnnat	gnanacttgg	ggttcannaa	ncntttccnn	atgnaancng	720
ngtc						724

<210> 3442

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (740)

<223> n = A,T,C or G

<400> 3442

gttcaatnnt	tgaaatttna	nntcgctagg	ctactngttc	tttttgcagg	atcccatcga	60
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agtgagtctc	tgagtgttgg	aattgtaagg	gatcagaagc	agggatcaga	agcagtgggtg	180
aagttcatcc	accataaaac	acacaggtga	ctttgccttg	aatctgcagg	actgaagcca	240
actcttgggc	acagaccctt	agtccttccc	ttggccactc	taagtcagat	agtccagagc	300
caggcccttt	gggatgtgac	accgagataa	atcagagaaa	agctgtgaag	cttgggggaac	360
agagggactt	ttggtgaagt	aggtgggctg	cagtttctat	cttcttggga	aaagcnagct	420
ggaaaagtga	acagtgggtg	gtaggccata	gtgctcccag	ctgggtgaca	taatgaccac	480
acagcacagt	gatgttatta	gcaactgtgt	ggtggagtag	ttgtgggctg	gacaaatcaa	540
tcgtgtggaa	attgttagga	gttttattac	attaaacttg	ttaacctaaa	ataccatcaa	600
aaaanaaaan	nttnatgntt	nnacntacnt	gtnatnntan	aaaaaaaaac	nttgagccct	660
ttaaaacctt	ttannngntc	ctttttaccn	taaaatccan	accttnntta	agaatncatt	720
tggattgaat	ttttggncct					740

<210> 3443

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (740)

<223> n = A,T,C or G

<400> 3443

gttcaatnnt	tgaaatttna	nntcgctagg	ctactngttc	tttttgcagg	atcccatcga	60
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agtgagtctc	tgagtgttgg	aattgtaagg	gatcagaagc	agggatcaga	agcagtgggtg	180

aagttcatcc	accataaaac	acacaggtga	ctttgccttg	aatctgcagg	actgaagcca	240
actcttgggc	acagaccctt	agtccttcc	ttggccactc	taagtcagat	agtcagagc	300
caggcccttt	gggatgtgac	accgagataa	atcagagaaa	agctgtgaag	cttggggaac	360
agagggactt	ttggtgaagt	aggtggtctg	cagtttctat	cttcttggga	aaagcnagct	420
ggaaaagtga	acagtgggtg	gtaggccata	gtgctcccag	ctgggtgaca	taatgaccac	480
acagcacagt	gatgttatta	gcaactgtgt	gggtggagtag	ttgtgggctg	gacaaatcaa	540
tcgtgtggaa	attgttagga	gttttattac	attaaacttg	ttaacctaaa	ataccatcaa	600
aaaaaaaan	nttnatgntt	nnacntacnt	gtnatnntan	aaaaaaaaac	nttgagccct	660
ttaaaacctt	ttannngntc	ctttttaccn	taaaatccan	accttnntta	agaatncatt	720
tggattgaat	ttttggncct					740

<210> 3444

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 3444

tcntcgtttn	natncttggg	aatttgnana	tngctaggct	actngntctt	tttgcaggna	60
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gaagcagga	gtgagtctct	gagtgttggg	attgtaaggg	atcagaagca	gggatcagaa	180
gcagtgggtg	agttcatcca	ccataaaaca	cacaggtgac	tttgccttga	atctgcagga	240
ctgaagccaa	ctcttgggca	cagaccctta	gtcccttcct	tggccactct	aagtcagata	300
gtccagagcc	aggecccttg	ggatgtgaca	ccgagataaa	tcatagaaaa	gctgtgaagc	360
ttggggaaca	gagggacttt	tgggtgaagta	gggtggtctg	agtttctatc	ttcttgggaa	420
aagcaagctg	gaaaagtga	cagtgggttg	taggccatag	tgctcccagc	tgggtgacat	480
aatgaccaca	cagcacagtg	atgttattag	caactgtgtg	gnnggantant	tgtgggctgg	540
acaaatcaat	cgtgtggaaa	ttgttaggag	tnttattaca	ttaaacttgt	taacctaaaa	600
taccatnnaa	aaatanaatc	ngnnntaaaa	cnancntata	nggatgtnan	aanaactega	660
gcttctaaaa	ctntagnnga	gcctttgtta	cgatanatccn	ngacatgnnt	aagatacatt	720
ggttagtctt	ggacaant					738

<210> 3445

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(712)

<223> n = A,T,C or G

<400> 3445

tctccttgaa	attgcttatn	gctaggctac	ttgttctttt	tgcaggatcc	catcgattcg	60
aattcggcac	gagagtggct	ggataaaaagg	atgtgtggga	agaactgag	ttgaaattag	120
gagttagaat	tttattcttt	ggtactaagg	aatcattgaa	gattttaaaa	ttagggctga	180
cataatcaga	tttgagtttg	ggaacctata	gtttgggact	ggaggaagac	aggtgccaga	240
caccagttaa	aaagctgtta	ttttctaagc	agtanacaaa	ggtttacact	gacaatagct	300
gtggagatag	agaaaagctg	cgagatttca	gagttttcca	aggtgtaaac	aactaaattt	360
tgtgatcaaa	atgataaggg	ccatctaata	agctggggaa	tgtgggatct	gtcttggttg	420
anttggtgga	ttaaactgag	tttaactgagc	tggaggaaat	gtaaaaagaa	aggcaggatt	480
gttcattttg	tcttttgttt	gttntgggga	acaggggtcaa	aattttcatt	ctgcataagg	540

taggttttagt	ctttttcaaa	acattctagt	aggcaagtct	gtagctgaat	cttggaagaa	600
aggctccata	gtnatatttt	tgagtttcta	ctgnttattt	ttcaataaaa	actcangttc	660
tcangtttagc	anatcatggt	cttaggaagg	tagctgnana	accaaaatat	at	712

<210> 3446

<211> 836

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(836)

<223> n = A,T,C or G

<400> 3446

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ccgtccncta	cctctcccac	gtggaggggtg	gagcagttat	gagggaggaa	gtcaactgct	120
gttcagcctc	agaataaagg	tgccgttcac	tggtcagtt	acctcctgtg	taccggcatc	180
ttgtgttggg	aatgttcccc	cctncctagg	gaccaaggan	caccctaca	aaaanagtaa	240
ntgggttgggt	gatactccct	taagccaaan	aggagctacc	caacctgttc	ttagggaccc	300
angttaccta	caaggggtggg	agagaattca	atgggcccag	atgttgggtg	aagccccatc	360
tctggggctc	angtttcttg	gaanacttat	actatcccta	ccctcctnaa	ngcctgnatc	420
agactaaaat	ntgtataant	canngcntgg	gacctantc	nanggtcttg	ggaagctncc	480
ctnnccnntt	ngggtnccna	nnagcnaaca	ttnttcncaa	gggcncnct	tatnggnaaa	540
antgtnggmn	cacattcccc	ccttctccaa	aggaangngg	ccnccgnatta	acaatnngct	600
anncttttgc	ccattggctn	aaaancccc	ccccacattt	ccatnatttc	angnttgngc	660
nncattatct	attnctttat	antgnnttgg	tanncncttn	ttnnactcaa	agnnnatcnc	720
ttacctttca	cnatcccnca	attttncntg	gctccanctg	tgnnccnttt	nganancctc	780
nncctncttn	cttncaggga	ntnttanang	ntnatctaaa	tntgnggcnc	atannt	836

<210> 3447

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 3447

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ggttggtggg	tctgtggacc	ttgagctagt	ttttaatcaa	catggaaaact	ccagtgatct	120
atttaaaaac	ttgcattggg	tcatgccagg	tttattggag	gttataccct	ccaatgtatt	180
tccaactcag	ggttaaagcc	aaggctccta	tggtggaaga	tggggcatat	aaactggcat	240
tctggcgctc	acacactcca	atatctacta	ctctcccctc	ttgctcgctc	agctgtggct	300
tgcttattca	gctttttgct	cttcctggaa	tacatcaaac	atatgtaggc	ccaggggttt	360
aaccatttta	acaactgaac	ttgtaactgc	actagttctc	caggtaagca	gaagtattag	420
ggttatggac	agtttatccg	aagtaataac	caggaatgcc	taataaaaac	atgcangtat	480
tgtggtaaaa	aatagagttg	gtgaacaagg	agttaccttc	tgactgnttc	tcttttagtg	540
aagtaggagg	caaggttatt	agctaagagt	gagatgggta	ggagatgggtg	taaatttaaa	600
ggaaaagaat	taaggtatga	gatagttggc	taggataatg	aanttnntga	atgggttttga	660
gctaagtngt	attaaaatcc	ccttttaggta	atagacnatg	aanttcctaaa	gcncactta	720
gccaacctcg	ggttctttct	tttctttt				747

<210> 3448

<211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (759)
 <223> n = A,T,C or G

<400> 3448

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tgccttgccc	tcccaaagtg	ctgggataat	aggcatgagc	catcatgcct	ggccgaactt	180
attttttaaat	tctttgggaa	tctaaaagga	ctatgtgctt	tcttttttac	tggattatgt	240
gagaagataa	tagtttgag	agaaattcag	tgaagcagct	gataaaatgc	tttaaaaata	300
tatttcagag	aattgagcaa	taacagtgat	gtcaaaatag	tagccccacc	ttctccagcc	360
cacctaaacc	aacactgagc	atggacacat	gcatttcttg	tcacagcca	gacgaaatgg	420
agtagcaaaa	atccatccta	tatgtcattg	agtcttataa	tacagttctc	ttttctctgn	480
ctattaataa	aagaccccac	tgaatgaagc	cgggaattctt	ttaggcaatt	taaactttct	540
gaaatagagg	aaagttggaa	aggggcggta	gtcaagggaat	atagaagtaa	aaaatatttt	600
tgaggtcaaa	tgcttatctg	aacagattgn	ctagtctgat	tattttttaa	agtattatgt	660
tgatccagtg	gtttaaattt	gaatcaaaag	taatgattta	accaaagggt	gtgcttccat	720
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<210> 3449
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (736)
 <223> n = A,T,C or G

<400> 3449

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agaaggaggt	cgacctgccc	ccggccgcga	tgcccaacac	ggagaacgtg	tactcgagct	180
ggctcgccgg	ctaogcggcc	tccaggcagc	tcaaagatcc	cttccttagc	ttcggagact	240
ccagacaatc	gccttttgcc	tctctgtcgg	agcaogcccc	atattagtgg	tccggggccg	300
ggcaggccca	gctcaaaaaga	gggcagacgc	agcgacactt	gttcttcaca	cacccccatt	360
cggcgtagta	cccagagagc	tcaagatgtg	tggcagtttt	cggatggaag	ctcgagagcc	420
cttaagttct	gagaaaaattt	gaagccccca	ggggtggggt	ggacgcgtgc	cgcccagtcg	480
acgtcagcgt	ggtctgtcat	cctgctagtt	ngtgatgttt	tctgacagta	gcctncaaga	540
accggttggt	cgaagacaga	gtcctgcaga	gtccttcag	cctagcctgc	agcgccattt	600
tatttatatt	ttttaataaa	aagtaaaaca	nnaaaaacag	acccacattg	gaacagtga	660
tcattccata	gagaggcccc	tggaccatcg	ttgtcatgag	tgatgcctgg	ccttttgaaa	720
ccagccnacc	taattc					736

<210> 3450
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (738)

<223> n = A,T,C or G

<400> 3450

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tcctttttccc	tccccataca	aactcaaagt	cccctggggcc	ccaattcaga	gttatgtttt	120
ttttggcaca	tactagaaag	gcagtgcctc	agcccttccc	tgaatccatg	gaggtgttct	180
gtttggggct	ttttagactg	ctgctgctca	gctgggtgct	tgaactgaca	gtaggccagc	240
ctgttctctg	ccattcccta	gtcatcctgt	gcctcaccac	agcttgctta	gagcaagcct	300
tttctcagac	cttaggcaca	gcctctcttc	tttacctgat	caatgttaaa	tgtaagcacc	360
cctgatccca	ggacataagg	aaagatgccc	aattgtactt	ttgttctata	gcctgtgaaa	420
tggctagttg	atcatttttc	cacaaagaat	tangtggttaa	gagttttcct	tcangcttta	480
cttangagaa	tggactaagc	tgaangtgta	ctttaccagc	aagagtcaac	tctagaattt	540
cangatgttc	cttctattgc	ctcttagcca	tctgtcagga	aatgtaactn	tggttttatt	600
ttnggctatt	ccanggggta	agccanaaaa	tnngaatgat	nattctgatt	aatagcagaa	660
actttttcat	cccaaattat	aaggggnctg	ctctttttaa	aagcntctaa	gctaagtcna	720
gagcttagga	actgtgac					738

<210> 3451

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 3451

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agagctcttc	tctgtgcaga	gtcactgtgt	catcgatgag	cggactgatg	tctggtcctt	180
aggctgcgtg	ctatatgcc	tgatgtttgg	ggaaggccct	tatgacatgg	tggtccaaaa	240
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tcacattcct	ctcctnctca	gtcagctgga	ggcgtgcag	ccccagctc	ctggccaaca	420
tactacccaa	atctgaaaaa	gcagcatgtt	gagaagatgg	ccccttgtgc	cttggaaaga	480
ggttcccatc	cctcattgga	atcaccaccc	attccatcca	ggacttctct	tacacttggg	540
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caagagcaaa	acctgggcaa	ggggacttac	tgagtggggg	tgggtggggg	ttgggaaaag	660
ggaaacnnnt	gggatatggn	acatggntct	nagcaggant	gntgagctac	ntancgtntt	720
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<210> 3452

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 3452

ttntntttcc	ttgaancctt	tttctacann	cnccttttga	gatcccnctg	tcgaattcgg	60
cacgagagac	aaagaaaagg	tggcaatcat	agaagagttt	ntagtaggtt	atgaaacctc	120

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tctaaaaagc tgcgggttat ttaaccccaa tgatgatgga aaggaggaac caccaaccac 180
attacttttg gtccagtact acttggcaca acattatgac aaaattgggc agccatctat 240
tgctttggag tacataaata ctgctattga aagtacacct acattaatag aactctttct 300
cgtgaaagct aaaatctata agcatgctgg aaatatataa gaagctgcaa ggtggatgga 360
tgaggccag gccttggaca cagcagacag atttatcaac tccaaatgtg caaaatacat 420
gctaaaagcc aacctgatta aagaagctga agaaatgtgc tcaaagttaa caaggggaagg 480
aacatcagcg gtagagaatt tgaatgaaat gcagtgcctg tggttccaaa cagaatgtgc 540
ccaggcttat aaagcaatga attaaatttg gtgaagcact taagaaatgt cattgagatt 600
gagagacttt tataggaaat cactgatgac ccagtttgac tttcatacat actgtatgan 660
ggaanattac ccttagnatc ttatggtggg actttattta aaaacttnca nnaatgttcn 720
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<210> 3453

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 3453

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gttgttttga agcagtaaca tttttctcag tgcacatgca atttgggttt tagagaagat 180
ggccaccagc tggcttccca gatattttta acttttgttc tttaatatgc tgtccatggc 240
tgagtttatt agtacatggg cttagtgacc acaaaatatt ttattaagaa actgtttcaa 300
aaataaattt gcactgttca tttttctggc ctgctgttc tccatagagc aagggtaatc 360
ctagaaaaat tttttttttt ttaaattatg caacgtaaga tgcctcctt gatagaagtc 420
ttagctcctg tgttacaagg gagaactcat ttgagatcag tctgttggca ttgcaatgaa 480
gtgctttgta tcangaaagt gtacactatt gacctttttt cctgttcaca agctgagcca 540
tatgtacata atctagattt tgttttcata gttttgact ttttatagcc tatttttgaa 600
gattaacaca tttgcaagat gatntgactc aatctttgcc taatccaaat gagtgttacc 660
agagagcttg cntgtgacta gaaccataa aattcttaaa aaggggcatg tggataatag 720
aagggcnggg aattttaaac ccnggntttt aaaaaaat 758

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<210> 3454

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(748)

<223> n = A,T,C or G

<400> 3454

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cacctttaat gtctatatcc ctaccaatag tctttttaag gcaatatagg ctttctctaa 180
catgcacttc aaacttcaag atggagggga tgccatacaa caggactatg tgatggtttt 240
tggctgtgtc cataggaagt cacaacaggc aagggaagaa aaccagaacc cagtcatgga 300
gttaagaagt gtagcagaga gtagatgggt agggacagtg aggttaaggcc tctttctaa 360
gaagtttggc tgaaggatag actagctgga cacatgctgg ctgtgtgggg tagagggagg 420
aatgatggan ggtaggagag ccttgagcct gcgagaagag tctctagaat agagaagctg 480

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aggttaaagt	tgtggaagac	agtggggata	actgagtgac	agataatcan	gagaagaaaa	540
ggagatccag	aatcatgacc	agagagatga	cctttgccaa	gagcacagcc	atcttttact	600
gtcnacanaga	ggtaggacaa	aacgattggg	gttcaagaat	tgggtttgta	gcacaatatt	660
ttactatgt	cctttaaaaa	agtttctccc	ccagacacta	cccaaagcca	gtcctttcac	720
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<210> 3455

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(716)

<223> n = A,T,C or G

<400> 3455

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tggcagaac	cagccatagt	agtttttgcc	tcatttgac	aacaaggagc	catccaagag	180
agagcgggta	agctgatggg	gacacagcca	tggcgcatg	aaataccccc	agtggctgtg	240
ttgtagggtg	tattgggttg	gggagggaca	aggtcaggag	gcatagactc	gacatcatct	300
gatgtgattc	angacagaat	ggcgagcctg	aagtgaagtg	tctgtaggat	aagttggaaa	360
ggaaggaacc	aatatgagat	attaaagaag	tgaaagctat	agggtcccagt	gccttaataa	420
aggtaaggag	taagagaaga	ttcgagattg	actcccagac	tctccagtct	gctggacatg	480
ggagatggaa	tagaagttga	tctcggmntg	gtcataggag	agcagttact	gtgttgagca	540
tggatagcct	gtcgttcccc	aggagaagga	ntacagcttg	gctggaaatn	ngcaatgccn	600
annttggaga	gatccacctt	gggggtcactc	ctagggggcc	nacccttgna	ncccttgagt	660
agcaatcccc	ccagaaanga	tncaaagggc	ttganntcna	actttaaana	ancnnt	716

<210> 3456

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(712)

<223> n = A,T,C or G

<400> 3456

tttacantag	tagctctcgt	tctttttgca	ggatccatcg	attcgaattc	ggcacgagat	60
ttgcttcgag	ggtagtgtct	tactaaaagt	taggaacaga	gacctagtgg	tgtgtccaag	120
gccgtgtcac	tttccccttc	agcacacccc	agcttctgac	ctcagagccc	aggagctgcg	180
tggacagtgt	ggggtgccag	gaggaggggc	ggtggctggg	cctcaggcac	gctgcactcc	240
cagccagaca	tgggtcttcc	gtttcttaag	tagcaagtgt	aggtttcagc	tggcagttcc	300
acctgcatgt	tctctgcttc	gctgccttgg	aagggggccac	attccccatt	cctcttctcc	360
ttacagcgcc	tgcctccttt	ttcaagcagg	cggaagctg	ctgtttctca	cgtttcaggg	420
agaggggtga	gcgaggggag	acctgtgtcc	gtgccgtccg	gctccctggg	tgggaacagg	480
caaggggatca	gatgcccctg	acaccacgcc	tctggcacac	canatgcctc	tgcatgcctc	540
gacagcctct	tcagtgtccc	tcctgcggtg	atgtcccttac	tgtccccagc	caaggccggg	600
gaccggtgtt	tactganga	cctgcattag	aaacattttt	taaattgttg	tncaggaaga	660
gatgtgtctt	aaaacagcat	ctttaaaagt	gantgtattt	ctttgcacaa	ag	712

<210> 3457

<211> 664

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(664)
<223> n = A,T,C or G

<400> 3457
cacgagattt tgccatgtgg caagttgggtt tgtggagttg ggcaggtgtg aaagggtaaa 60
actccacttc tgaatgctgc ttctgcccc tgggaccag cacattgtta gaccatcttc 120
ttgactgaaa attctctcct gatgctgagc cctgcaccac cacttcctt ttctaacta 180
tgaatagatg gcaaagtcca ctcaaaacaa ccagttaagt gctcacgaga gagtagtcaa 240
gcacctccag aaagaaaccg ggtttttgtt cacatagcan gaagtgactc cctgggtggg 300
nattnatctt ggaaacacag gtagattggc agaaaaacgg gaacatgtag gtaccgcgat 360
gttggtgcat gtncattact ttgggatagg ctttctcagt ctttctcaa atgatngttg 420
agccagtttt ccagggggca attctgantg acttgcgctt gtcttatggg gtggtcaagg 480
gactttcana actacngaaa acttttactg anacagctga aacaagagta taccggcntg 540
agaggggaaga tgaacactca cctatgtacc actcttttga caatnaatnt agtatttctc 600
aaatcaagtc tnnagactga tcctgtctca aaaaaaagc cntagacta ttattgagtc 660
cgtn 664

<210> 3458
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(822)
<223> n = A,T,C or G

<400> 3458
atcccacga ttcgaattcg gcacgagcca tgggcggctg cactcccnac anatgggagt 60
gncagggag gacttgcctc gccatggatn cacaccgaan gctgaggggg cgcctggcctn 120
cctnntgtac catcctgtg nctacatgct tgcangagga cggatggctt actgnangaa 180
naagccngna tgcantctcg natgagaaca caggcaganc nccctctata gaaagcctgc 240
tttgganac ntntcatan agccgagact ncacntacnt cacngccttg gngaanaatcc 300
aactcgaggn gatctatgtc ttacgttcct gcaagcgccc ntggagctgc cntgganca 360
gtgtgccagc cancnagagt gntggnaag ccccnannan nnaccttcaa tcatggacag 420
cacnaancgg ntgntctgc gcnagangtg ctgggtaatg agnttacgtn caaggttngt 480
atccactaga gcccangta tcatanccnc caaccacgta actntgggna atnnaatna 540
atccaaagat ttantngaaa ctttaattgc gaccantngt aagacaccnt ggtaaatttt 600
agcccaancn aatgaacncc tcnngtcttt gcaattaaaa taaaatnact ggcggnttta 660
nctgcccccc antngccat ttctnntttt annaaaacag gncngtttcc caaccatttn 720
cgnccctttt tcttaaatng ttgccttggg ccgnattntt aaaaantcnn natnctaaaa 780
tagcccgana agncttttgg ancaacnttn taaccttggg ng 822

<210> 3459
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(715)

<223> n = A,T,C or G

<400> 3459

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ggntcttcna atgctnnggt ntngttcttt ttgcaggatc cctcgattcg aattcggcac      60
gaggtcacct ccactagagg gggataaaaa ggataatagg aaatcagaat attttgattt      120
gtagttcaac tgttgatcaa ttatctttga gacttttaac attcatgact aaggaggatt      180
aataattaac atgagctgta gaattaaggt ttgtatggca tgataagtat aaaccagttt      240
tgggaccgct ataattctaa aaaagcaggt agactagatg attagttgta cacttattac      300
tgctaattct tgattgtaga acaaattttc ctatgaaaac catgttgtgt attttatatc      360
tctattagtt cgttaaaaagt ttancagttt tagatgtcga accagtaaaa aacaagttgc      420
ccattctatc atttttttta ttgtggtaaa atatatttaa gataaaattht acgattttta      480
ccatcttaag tgtacattgg tacagtggca ttggttacgt tcacaatggt gtacaactgt      540
cateccatc tatttccaaa gctttttcat caccctaaaca gctctatacc cactaacaac      600
aactccacat caccactcc ccagccctgg ttatctctgn tctactttct gcctctatga      660
attcggatat tccagttggg ncatataagn nggactcata taatatnngc ccttt      715

```

<210> 3460

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 3460

```

tcttttctaa tgcttggctc tegtctcttc tgcaggatcc catcgattcg tcaccatggt      60
gcccaggcta gtcttgaact cctgggctcg aatgatcctc ccaccttggc ctcccaaagt      120
gctgggatta taggcgtaag ccactgtgtc tggcctagtg tatgattatg catgagtcac      180
gcaatgttct ggtcctggat tccaggagta gaggacctag ctttaaataca attagtttca      240
gctaaactga ctagaaccag gtcaaagtgt aattctccct ccagctcccc caaaactaga      300
gttgggggga actggaggga gcaaaacact gatttgatac tagtcagttt gcttgaaact      360
agttcaccta aagctagatc tcttaaaacc aatttactga aaacttgttt gcttaaagtt      420
aatgagttta tgacttaatt gccaaaggtt caattccat tttgggtgtgt ttatatccat      480
ttagggtgct tattcttttt tgtcatgctt tggatatttc aaggatttat atctattcat      540
ccaagagtac ttctgagcta ttatcagcaa cataaattta tcaaatttgc agcactttgt      600
aaaatgatga gaatgcttc tacctttatg gatgtctntt tctatgggat ctaccattca      660
aaaacttttt taaaaagttt aaaagttcta gcaataaaat ccaattggta cagacatttt      720
gggtatcatt ttttggttct taanccann      749

```

<210> 3461

<211> 935

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(935)

<223> n = A,T,C or G

<400> 3461

```

ccntcatcct ttttacagnt tttnaactnt ttncgcagnn nccncganc cgcnantnca      60
nntgggggaa atcttcttgt ctgctggaca cctgatttgg gcccggttct ctgccattcc      120
tttctgcaat tacatgggtt tcccagctgt tttgcgcggc cttggagcac ccacagaggc      180
ggncctgct ggcangctat gccctgggtg tgggactctt cctgcttctg ctccagcccc      240

```

tnacggaccc	caagctctac	ggcagccttc	ccntttgtgt	gcttttggag	cgggcagggg	300
actcagaggc	tccctgtgc	tcctgacct	tgctcctgga	tacgctatga	actctcacccg	360
gctccccagc	cctnccanc	aaggggtact	gccanggna	agnggcttg	cctnggggtcc	420
ccccanaatc	tcanggaatt	tattgnanng	ggganttgna	agccngaagc	tantctacnt	480
tccccagggg	acccaannag	caanagtaag	cnnatttttn	cnnaaanggg	tgcncccccc	540
cttntattga	aaagggngtn	gtntntatcc	aangccancn	ttgntnatct	tgncaggng	600
accaacggcg	ccctatgtnt	cccangnaan	cctcancann	accttctact	ttttactcnn	660
actntnttcc	nacctncttn	tncttcnatn	ctttaanttt	ccctctnncc	attnctcnaa	720
aatnaccttt	ctttncagng	gcttnnnntn	nacatcantt	aaataancnc	ttntttcctn	780
aaatacatcc	naaacatcna	accnaacctt	atnccctncc	ggnccttttc	nacacntant	840
tgncacttct	ctatatgcga	actacanant	taaccatttt	tggacanatc	tcggngngana	900
nttattttcta	taatccacac	taatnncann	tacnt			935

<210> 3462

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 3462

nttttgtata	cttttncctt	ntctcaggcc	tttttgcagg	atccctcgat	tcgccacgac	60
tcatttgttt	cattcacatt	cctcacgtgc	ntnaacatan	ttatatattta	agaaaatgta	120
actttgttac	atcaaaatat	gttgtctagt	aaaaagtga	tattcagtag	aacaaggatc	180
atgtaaataa	acatctattt	cacatgtacc	caaaagcatt	taaaaagcag	aatccagggc	240
ccagagcatg	agccagggag	gaggatgttt	ttcttctttt	ctctattttt	ccctaaattg	300
tgcaaacata	ggtgagtcct	ttaacctttc	tgtgcctcag	tttttctacc	tctaaagggg	360
tgggatgggt	cttcaaattg	tttctaaaac	accggcactt	tcagcagtgt	tctgggtggc	420
tgagatgaga	gcaccgtgtt	cagaagtgcc	tgggagtggc	acagtggaaa	ctccgcttgc	480
acggaccatg	gagtctgtct	aggaccatgc	tgtaggacac	acagcctcat	gcgctgagaa	540
agcaaaggaa	gtgctgggtg	taaaagtgtc	atgattccat	gaagcttttag	ttttcctttt	600
tttggtttta	aaagaagggg	tttttatgtt	tctattgnaa	aatatgggaa	ttaaaacaggg	660
acttcaagaa	agccgcacag	aaagatcacc	ttctgatggg	gtgatgggtc	tcctgacatt	720
cnggccgang	tctgnattct	gaaaaaagan				750

<210> 3463

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (734)

<223> n = A,T,C or G

<400> 3463

gcttgnctnc	tnctttttca	aatngctngg	ctactngttc	ttnttgcagg	atcccatcga	60
ttcgaattcg	gcacgagagt	ggctggataa	aaggatgtgt	gggaaagaac	tgagttgaaa	120
ttgaggtta	gaattttatt	ctttgttact	aaggaatcat	tgaagatttt	aaaattaggg	180
ctgacataat	cagatttgag	tttgggaacc	tatagtttgg	gactggagga	agacaggtgc	240
cagacaccag	ttaaaaagct	gttattttct	aagcagtaga	caaaggttta	cactgacaat	300
agctgtggag	atagagaaaa	gctgcgagat	ttcagagttt	tccaagggtg	aaacaactaa	360
attttgtgat	caaatgata	agggccatct	aataagctgg	ggaatgtggg	atctgtcttg	420

gttgagttgg	tggattaact	ganattaaca	gagctggagg	aatgtaaaa	agaaaggcag	480
gattgttcat	tttgtctttt	gtttgtttnt	ggggaacagg	gtcaaaattt	tcattctgcc	540
taangtaggt	tttagtcctt	ttcaaaacat	tctagtaggc	aagtctgtag	ctgaatcttt	600
ggaagaaagg	caaccattag	taatattttt	tgaagttccc	tacctgggta	attttttcaa	660
taaaaaactn	aggttctcag	gtttagcnaga	atcatggtct	taggaagggt	ancttgtaag	720
acccaaaatt	atnt					734

<210> 3464

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 3464

tnnttntcca	cttggaaacc	cttttnngaa	ancccgagg	natcccatcg	attcgctctg	60
ggagtagctg	ggattacagg	catgcaccac	catgcctggc	taattttnta	tactctagta	120
ntagacaggg	tttcgccc	gttggtcagg	ctgggtctcaa	actctngacc	tcagggtgatt	180
caccacactn	agcttcccaa	agtgcaggga	ttataggcgc	gagccaccat	ggctcancct	240
catgttcgtt	tttaaaactt	aggatgggtg	ctcttntaca	ttgattggca	ggaactcttc	300
atattacgag	gcacttagct	agntgnctgt	gaaatanaat	actaatgatt	gaactttcta	360
ggaagtgcct	attctgctaa	tagtgnaaat	atacacttat	ccagggtcag	naatactnna	420
gtntaccac	ttaaangatc	tagacataca	tgaacttggg	cttacttgcc	cgttanaatt	480
gcatatctta	naatagtcca	tcaccttact	taangnagat	atgcntngat	tatccngatt	540
actcnntaac	atagcctctc	nccttanctg	tctcacctga	atgtantacc	tggacctctn	600
caagtcnanc	agaggccnat	aataaaagtt	canaagttta	nncnnnacac	ccctctcccc	660
ccnccanta	ncccaanccc	ctcccannac	cccctctccc	nccccnccct	cacctcnna	720
tccnccacc	ccactcnncn	nncannccct	cccccccacc	ccccnncnct	acnccctcct	780
cccatcneg						789

<210> 3465

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 3465

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gagggagaca	cccatctcct	gcccttgga	atcaggactt	ttngttcttc	ggcctttgga	120
ctcaggcttg	ccacagangc	ctcccagggc	tctcgccag	tcagcctcag	aatgagagtt	180
acaccactgg	cttccttggt	tcaaccacct	tcttacctgg	actgagcctc	acttacagct	240
tctctaggte	tccagcttgc	agacagccta	tgggaggact	tctcagcctc	cataagtgtg	300
tgggccagtt	cgctaataa	atccctctc	ctggccgggc	gcggtagctc	tcccctgtaa	360
tctcagcatt	ttgggaggca	gaggtagggtg	gatcacctga	ggtcaggagt	tcaagaccag	420
cctggccaac	atggtgagac	ccccgtctct	actaaaagta	caaaaagtaa	ctgggtgtgg	480
tgctgggtgc	ctgtaatccc	agctactcng	gaggetgaag	cangagaata	cttcgacctg	540
ggaggtanag	gttgacgtga	gcccgagatc	gagccactgc	actccagcct	gggtgacagg	600
gcaagactct	gtctcaaaca	anatnaaaat	ccctctccaa	aaaaaaanac	cnctcccaag	660
tttaaccat	tcanntcct	taccaannga	ancntctatt	nancaaaaana	tcnnnccncc	720

tnccccncca cccccnngng tcnttaaatcc cnanncc

757

<210> 3466

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 3466

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ggcttctgga ttgtttcact gtgattccta ggttttttcg atgccacgca gtgtgtgctt	180
ttgtgtatgg aagcaagtgt gggatgggtc tttgcctttc tgggtagga gctgtcta	240
ccaagtccca ggcttttggc agcttctctg caaccacccg tgggtcctgg ttgggagtg	300
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gggccagggc tgctgccatc ctggcctggt ggaggttggg gagctgtagg agagctagt	420
agtcgagact tanaagaatg gggccacata ncancanagg actgttgtaa gggaggagg	480
ggtanggaca gaagctagac ccaatctcct ttgggatgtg ggcngggang gaaacacgct	540
tgganggtta atttaccac nnaatgtgat antnatagg ganggaagct gctgtgggtt	600
taactcctgg gttgncttgt tgggtagaca gntnggggaa aaaggcccct tgaattcatt	660
gtaagcncaa gtcccaactt ngcccctgac tccctgccng gnggtattng gggaaacttt	720
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<210> 3467

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 3467

caacngctct gntctttttg caggatccct cgattcgaat tcggcacgag aagactttgg	60
aaacacacat taaaatattt catgctccga acgccagcg accaagtagc agcctcagca	120
ctttcaaaga taaaaacaaa aatgatggcc ttaaacctaa gcaggctgac agtgtagagc	180
aagctgttta ttactgtaag aagtgcactt accgagatcc tctttatgaa atagttagga	240
agcacattta cagggaacat tttcagcatg tggcagcacc ttacatagca aaggcaggag	300
aaaaatcact caatggggca gtccccttag gctcgaatgc ccgagaagag agtagtattc	360
actgcaagcg atgccttttc atgccaaagt cctatgaagc tttggtacag catgtcatcg	420
aagaccatga acgtatagc tatcaggtca ctgccatgat tgggcacaca aatgtagtgg	480
ttccccgatc caaaccttg atgctaattg ctncacaaacc tcaagacaag aagagcatgg	540
gactcccacc aaggatcggg tcccttgctt ctggaaatgt nccgtcttta ccatcacagc	600
agatggtgaa tcgactctca ataccaaaag cctaacttaa attctacagg agtcaacatg	660
gatgtcccag tgttctgtat aaaatgcaaa ataaatggtt tttattaacc anacaaanaa	720
aaaaaaaaac ntcgagccct n	741

<210> 3468

<211> 741

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (741)
 <223> n = A,T,C or G

<400> 3468
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 ctttcaaaga taaaaacaaa aatgatggcc ttaaacctaa gcaggctgac agtgtagagc 180
 aagctgttta ttactgtaag aagtgcactt accgagatcc tctttatgaa atagttagga 240
 agcacattta caggggaacat tttcagcatg tggcagcacc ttacatagca aaggcaggag 300
 aaaaatcact caatggggca gtcccttag gctcgaatgc ccgagaagag agtagtattc 360
 actgcaagcg atgccttttc atgccaaagt cctatgaagc tttggtacag catgtcatcg 420
 aagaccatga acgtataggc tatcaggtca ctgccatgat tgggcacaca aatgtagtgg 480
 ttccccgatc caaacctttg atgctaattg ctncacaaacc tcaagacaag aagagcatgg 540
 gactcccacc aaggatcggg tcccttgctt ctggaaatgt ncggtcttta ccatcacagc 600
 agatggtgaa tcgactctca ataccaaaag cctaacttaa attctacagg agtcaacatg 660
 gatgtccag tgttctgtat aaaatgcaaa ataaatgggt tttattaacc anacaaanaa 720
 aaaaaaaaaac ntcgagccct n 741

<210> 3469
 <211> 860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (860)
 <223> n = A,T,C or G

<400> 3469
 ggaactggct caggctggat tactcttgct gctgtcttgc tgtactgtat gccactggga 60
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 acatatggaa aagttaaaga ctgagctctt gagaaaacaa ttggactgat gcgaatgcag 180
 ttttggaaaa aaactgtgga agatatatac tgtgacaatc caccacatca gccggtgggc 240
 attgaactat ggaaggctgt taaaagacat aatctgacta aaagatggct tatgaaaatc 300
 gtcgatgana gagaaaaaaa tctggatgac aaagcatatc gtaatatcan ggaactggaa 360
 aattatgctg aaaacacaca gagctctctt ctttacttaa cactagaaat attgggtata 420
 aaggatcttt catgccacat catgcttgca cgtcattatt gnaanaagcc ccnaangcat 480
 ttgtccacct gcntngaagc gncaacaccc ntnttccttg gggaagcctt tnnncaaaaa 540
 ggengttccc ntctctccat ggnnttntt ntctntnttg cctnccttn ggccgatttn 600
 cactnacnna angnaccttc nctttctcg nnatggatat cccaangngc ttttnnaccn 660
 nctcgnaccc acnancctgg taantctnac atctgcaccc nttctggecn cctctctcct 720
 cggmtcacct anctccggan ccaccnatct cnetncccat tggctctctg aggnctcct 780
 ctnttnnctc tctcacatna tntantntng cnnccctt ntncgtnta aatanntcca 840
 tntctctcn cccngnttat 860

<210> 3470
 <211> 1191
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1191)
 <223> n = A,T,C or G

<400> 3470

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ccaagtagca	gnctcagcac	tttcaaagat	aaaaacaaaa	atgatggcct	taaacctaaag	180
caggctgaca	gtgtanagca	agctgtttat	tactgtaaga	agtgcactta	cggagatcct	240
ctttatgaaa	tagttangna	gcacatttac	agggaacntt	ttcancatnt	gncantactn	300
ttncatanta	caggcngggn	aannnatcac	tcaatggggc	ntggttnncnn	tangctctct	360
atnttctentc	cnntanncnc	tgccancnnn	ctttnnnnatn	nctnnnnnnnt	ntcncntncc	420
cccttaattc	ccgntnnant	ngcanntnct	cnnanctanc	nacnanatg	nactcatatn	480
tttcaencnc	cctgccttat	tcacaaacan	nnnngntanc	gcatttnnct	cactctatnt	540
ctctctnntn	ncnnntttnt	ntntcgatat	ctcttnnacn	cactacntnc	ctctctnact	600
ctcanantac	tcttntctct	ctactcttca	nacngtnntn	aancctctct	atctatcnca	660
cntnnnatat	acancacnct	ctctactanc	acacntctcn	catcagactc	tentctantc	720
acanaagatc	ctnncctcta	ctnttaccga	ngnagtcncc	ntctccnntt	acttnaatnc	780
cacnnnttca	ctnnccnate	cnnctatntc	gcatttnatnc	actcactent	tcnatnctta	840
tnntnncncc	ntctctctnt	ntccnantga	ngatacatat	gtccanactc	nancnttccn	900
atcnnctcnc	tgctnttntn	cactntctcn	nttcacntc	tannacatcn	tctctntcnn	960
acgttanata	caatacgctn	tnctactctc	tattntntnc	tgacacanat	ctcctctca	1020
ccactcactc	tgntcacgta	tctgcgaaca	ctacncantc	cgtctcacct	ntnanatcgn	1080
ctctacantc	tctnactact	actctctcac	tctctctctc	acancntnca	catctctctc	1140
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<210> 3471

<211> 736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (736)

<223> n = A,T,C or G

<400> 3471

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acttgcttg	ttttactatt	gatgtttgtg	tcctgtgtcc	ttaacacttt	aagragctct	120
tctcacctaa	aggctaatag	ttttaagtaa	gtttcttttt	cttttttttaa	tttaaaaatt	180
aaaaaatttt	taattaactt	tttttaaatt	aaaaaaaatt	attaattatt	tttaatatagac	240
aggatccttg	tatgctgtcc	aggctggctc	tgaactcctg	gtctcaagtg	atcctcctgc	300
cttgccctcc	caaagtgtcg	gtattacagg	tgtgagtcac	tgacactggc	caagtttatt	360
ttttctgtat	acatttcttc	agccacttca	atcaaacatt	taattaacat	gctataatga	420
atgacttttc	ttactaggct	aacaaatgag	gcacttggaa	acttacttta	gttacagcct	480
cactttcttt	ttttgngagg	aaattctgtg	ttgacatact	ctttaatttc	tttttacctt	540
ttctgactga	ttttctgtaa	tttggaata	ttgngatgac	tgcttattct	aataatatta	600
acatatagca	ttcttttagc	acataaatag	tttcatttgc	atagtaagcg	ccaggctttt	660
ccatcgaatt	ttgatnaaaa	taatccatgc	ttcatgggtac	cttagagatg	ggatatttta	720
aggcctctan	aactan					736

<210> 3472

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 3472

nttttgtata	ctttnccectt	ntctcaggcc	tttttgcagg	atcccctcgat	tcgccacgac	60
tcatttgttt	cattcacatt	cctcacgtgc	ntnaacatan	ttatatTTta	agaaaatgta	120
actttgttac	atcaaaatat	gttgtctagt	aaaaagttga	tattcagtag	aacaaggatc	180
atgtaaataa	acatctatTT	cacatgtacc	caaaagcatt	taaaaagcag	aatccagggc	240
ccagagcatg	agccagggag	gaggatgttt	ttcttctttt	ctctatTTtt	ccctaaattg	300
tgcaaacata	ggtgagtctc	ttaacctttc	tgtgcctcag	tttttctacc	tctaaagggg	360
tgggatgggt	cttcaaattg	tttctaaaac	accggcactt	tcagcagtg	tctgggtggc	420
tgagatgaga	gcaccgtgtt	cagaagtggc	tgggagtggc	acagtggaaa	ctccgcttgc	480
acggaccatg	gagtctgtct	aggaccatgc	tgtaggacac	acagcctcat	gcgctgagaa	540
agcaaaggaa	gtgctgggtg	taaaagttgc	atgattccat	gaagctttag	ttttcctttt	600
tttggtttta	aaagaaagg	ttttatatgt	tctattgnaa	aatatggaaa	ttaaacagg	660
acttcaagaa	agccgcacag	aaagatcacc	ttctgatggn	gtgatggtgc	tcctgacatt	720
cnggccgang	tctgnattct	gaaaaaagan				750

<210> 3473

<211> 847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (847)

<223> n = A,T,C or G

<400> 3473

tctttttnan	anctcnngcc	ttctgcagg	atcccatcga	ttcgccacga	ctcatttgtt	60
tcattcacat	tcctcacgtg	caacaacata	attatatTTt	aagaaaatgt	aactttgtta	120
catcaaaata	tggtgtctag	taaaaagttg	atattcagta	gaacaaggat	catgtaaata	180
aacatctatt	tcacatgtac	ccaaaagcat	ttaaaaagca	gaatccaggg	cccagagcat	240
gagccaggg	ggaggatgtt	tttcttcttt	tctctatTTt	tccttaaatt	gtgcaaacat	300
angtgagtct	cttaaccttt	ctgngcctca	gtttttctac	ctctaaaggg	gtgggatggn	360
tcttcaaant	gnTTctaaaa	caccggcact	ttcagcagtg	ttcnggtggc	ctgagatgag	420
agcccggtgt	cagaagtggc	tgggagtggc	ccactgggaa	actccgcttg	cacngaccnt	480
ggagtctgct	cangacctgc	tgtnnggacca	cacancetna	tycgttgnga	aatgcttcagg	540
aantgctggg	ngtaaaaagtt	tgncattgat	ttccttngan	gccttttnaa	nnctcccnc	600
ttcttttttg	nnTTtaaaaa	aanaaaaagg	ggtntnttat	cantggntcc	nnntttcggn	660
aaaaaantnt	tgggcaaaac	ttttnaaacc	naggggggnc	ctnttccacg	caaaaagccc	720
cgcacccagg	nnaacngnaa	tttccccctt	tnccnggnat	gggctcngtc	ggaaatgcng	780
ccttnccctn	ggaaccantt	ctcgggcccc	naannngttn	nnggccnatt	tcncttgyna	840
aaaaaann						847

<210> 3474

<211> 847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (847)

<223> n = A,T,C or G

<400> 3474

tctttttnan	anctcnngcc	ttctgcagg	atcccatcga	ttcgccacga	ctcatttgtt	60
tcattcacat	tcctcacgtg	caacaacata	attatatTTt	aagaaaatgt	aactttgtta	120
catcaaaata	tggtgtctag	taaaaagttg	atattcagta	gaacaaggat	catgtaaata	180

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aacatctatt tcacatgtac ccaaaagcat ttaaaaagca gaatccaggg cccagagcat      240
gagccaggga ggaggatgtt tttcttcttt tctctatttt tccctaaatt gtgcaaacat      300
angtgagtct cttaaccttt ctgngcctca gtttttctac ctctaaaggg gtgggatggg      360
tcttcaaant gnttctaaaa caccggcact ttcagcagtg ttcnggtggc ctgagatgag      420
agcccgtgtt cagaagtgcc tgggagtggc cactgggaa actccgcttg cacngaccnt      480
ggagtctgct cangacctgc tgtnggacca cacancctna tgcgctgnga aagcanaagg      540
aantgctggg ngtaaaagtt tgn cattgat ttccttngan gccttttnaa nncctcccnc      600
ttcttttttg nntttaaaaa aanaaaaagg ggtntnttat cantggntcc nnttttcggg      660
aaaaaantnt tgggcaaaac ttttnaaacc naggggggnc cttntccacg caaaaagccc      720
cgcaccaggg nnaacngnaa tttccccctt tncnnggnat gggctcngtc ggaaatgcng      780
ccttnccctn ggaaccantt ctcgggcccc naannggtnn nnggccnatt tcnctggna      840
aaaaann

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<210> 3475

<211> 694

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (694)

<223> n = A,T,C or G

<400> 3475

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atctgaaaat aagtgccttg agtgctcgta cccttatttt ttttaagatt cctagaagga      120
atcttnggtt aattcagatt gagcanttaa agtttttgct atttaccttt gtgcaggctg      180
gcatatgcta atttgggggt ggtaaccaac cgattttatc tcatgtaagc attacatttt      240
gaagactgaa tatacttcac agcagatcaa acacatttat ggcatgcact gacctcttct      300
tggagcccag aactttatag agttgcctac cagggtttac tgnatggaa tttatgatct      360
taagaaatta ctagtgcac tatttatccc tatgattcat tcattcaatn aagcmtttac      420
tgcataaact ttacatccng cactgtagct taagtncccc aaaaattgaa tngnanntaa      480
ttgngctntt cganaattgc ccaacgcnnn gccaggcca ccggtggntt naccgctgt      540
nggtccccag cnttntctcg ggaangccn agcctnccg gancccnag ttcnnnaaaa      600
cccagaccnt cctggntaa cncctgtcaa aaccagggtc tnttantaaa actncaaaag      660
attnancntn ggccttggtg ggcnccccc cncn

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<210> 3476

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 3476

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tatgtcctct ggacgctggt ctccttcgc taccactgcc agctgtactc cgagtggaga      120
aagaccaacc agaaagtctg cctgaagatc cgggaggcgg acagccccga gggccccag      180
cattctccac tggcagctgg actcctgaag aaggtggcag aggagacacc agtatgaatg      240
ctgggctctc cggacctgc agcagagagg ccagaggtag ctggtgatac cctgtcctgt      300
ggaaggactt ccacttcaac acttcactt caacagttcc cgcacggcct gaacgcttct      360
taggccaaga gacaccatgc ggagcctagt ctgtgatcct gtgtgaagat attttcaggg      420
ttttttttt tttttgcata tggaggacag gtggacatgg tcctgagctc tggacggagc      480

```

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angcaccctg atctcattct gaggtccaca tggcaccttc tgggccagca gctgtggccc      540
ngtgtatcaa agggcgcccc ttaaagctgg aacattccac aagcttcttg cgctttntg      600
caccnngcag gccacttttc ctggcaccct cgantttata taaaaagttg ccctgcgttt      660
naaaaaaccc accccctgaa tgaattaaaa nggagcccct ggcttggaaa aaanaaaac      720
atctnnct nntatcnn naaaananaa cennnggcct      760

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<210> 3477

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(762)

<223> n = A,T,C or G

<400> 3477

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aaacctttac cagaaagtga cgggcaagga ctgagatacg agggcctgat gggcaaacc      120
agcatcctca cttaccagta tgccgaggac ctgatcaggc gacaggcgga gaggcggggc      180
tgggcccggc ccatccggaa gctctatgct gtgggtgata accctatgtc tgacgtatac      240
ggcgccaacc tgttccacca gtacctgcag aaggcaacgc atgatggggc gccagaacta      300
ggggccgggg gcacacggca gcaacagccc tcagcaagcc agagctgcat ctccatcctg      360
gtgtgtacag gcgtctacaa tcccaggaac ccacagtcca cggagcctgt ccttggagga      420
ngggagcctc cattccacgg ncaccgagac ttatgcttca ntagggactt tgaaatgggg      480
gaggcagtgt ggaatactgt ggatgtctgt gcagagcctt tgccggcact gaaggcatgc      540
agcctgtcgg cagagtgtct taacacccag atgcctactt tttactgnat ngtagtttat      600
tgcccgga tgttggggct ttttttttta aataaaataa tcataattaa atgttcatga      660
aaananaaac atnttcnaaa aaacttcnag cctctngaac tntantngag tccttatnac      720
ctncatncca gancttgnta aggatccat tgatgaagtt tn      762

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<210> 3478

<211> 1191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1191)

<223> n = A,T,C or G

<400> 3478

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tgttttgttt ttgaaccctt tttggnantc ccgcaggatc cccatcgatt cgaattcngc      60
acggagaaga ctttgggaaa cacacattaa aatattctca tgcttttnaa cgccagcgca      120
ccaagtagca gnctcagcac tttcaaagat aaaaacaaaa atgatggcct taaacctaaag      180
caggctgaca gtgtanagca agctgtttat tactgtaaga agtgactta ccgagatcct      240
ctttatgaaa tagttangna gcacatttac agggaaacntt ttcancatnt gncantactn      300
ttncatanta caggcngggn aannnatcac tcaatggggc ntgttncnn tangctctct      360
atnttcntcn cnntanncnc tgccancnnn cttnnnnatn nctnnnnnt ntncntncc      420
ccettaatte ccgntnnant ngcanntnct cnnanctanc nactcnatg nactcatatn      480
ttcacnncnc cctgccntat tcatcaacan nnnngntanc gcatttnnct cactctatnt      540
ctctctnnn ncnntttnt ntntcgatat ctcttnnncn cactacntnc ctctctnact      600
ctcanantac tctntctct ctactctta nacngntnnn aancctctct atctatcnca      660
cntnnnatat acancacnct ctctactanc acacntctcn catcagactc tcntctantc      720
acanacgata ctncntctta ctnttaccga ngnagtcncc ntctcnnnt acttnaatnc      780
cacnnntca ctnnccnatc cnnctatntc gcattnnatnc actcactent tcnatnctta      840

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tntntncnc	ntctctctnt	ntccnantga	ngatacatat	gtccanactc	nancnttcn	900
atcnnctcnc	tgctntntn	cactntctcn	tntcaccntc	tannacatcn	tctctntcnn	960
acgttanata	caatacgctn	tntacctctc	tattntntnc	tgacacanat	ctctctctca	1020
ccactcactc	tgntcacgta	tctgcgaaca	ctaencantc	cgtctcacct	ntnanatcgn	1080
ctctacantc	tctnactact	actctctcac	tctntctctc	acanctntca	catctctctc	1140
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<210> 3479

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(756)

<223> n = A,T,C or G

<400> 3479

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aattcggcac	gagcctgccc	agaatggaag	catacagatc	tgggaccgaa	atttgactgt	120
tcatacctaag	ttccactata	aacaggctca	tgactcgggc	acagacactt	tttgctgac	180
ttntttccta	tgatggtaaa	tgtnccctgc	ctctcntgna	ngtgacgatt	cattaaantt	240
atgggacatc	cgacaattta	ataaaccact	tttttcagcc	tgggtcttn	ccaccatgtt	300
cccaatgact	gactgctgtt	tcagtccana	tgataagctc	atagtcactg	gtcatctatt	360
caaagaggat	gtggcacngc	aaacttggtt	tctttgagcg	tangactttc	caaaggggtg	420
atgaaataga	catcacagat	gcnantgttg	ttcgtctgct	gtggcatcca	aagctgacca	480
gatcatgggt	ggaactggaa	atggattggc	taaagtctat	tacgtcccn	acaagagtca	540
gangggagca	anattatgtg	tgggtaaaaa	ccaacggaag	gcaaacaagc	tgagactcta	600
ctcaggacta	catcataccc	ctcatgcctt	gcctatgttc	gtgagccngc	cacggagtac	660
aaggaaacgc	tggagaaagg	canactggat	ccctgaatcg	cataaacctg	aacttctgta	720
ccaggcccag	ggcntgggtg	ccanttgga	cccacg			756

<210> 3480

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 3480

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accataacac	atncaaatnt	atggcccttc	agattttgtn	cttcttttng	ggtcagtgtt	180
aataatacgt	atctttcaaa	gaatatcccc	cttttttttt	ggtagagata	gggggttttg	240
catgttggtg	gtagcaagcc	ctaaccctgt	cataaacagg	ccttaaataa	actggccata	300
aacaggattt	ctgcagcaat	gggacatgct	catgatggct	gtcatgcaca	ctgcgaaaag	360
ttgttggttt	actggagcag	ggcaaggaac	acctggcccc	gcccggagca	aaaaactgtc	420
aaaccacaaa	cgatagcagg	aaaggcctgt	gccttggcag	catgtttttg	ctgcagataa	480
ttcagccagag	cctgtttctc	tgctcctcgc	tgagattgct	ttgtttccca	taaagattgc	540
ttttagctaa	tctacaatct	atagaacaat	gctttcact	gctttctgtc	aataaatgtg	600
tgggtcaagc	tctgnttggt	gctctcagct	ctgaaaaaaa	aaaaaaaaaa	aaaaactcga	660
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tggntcaacc	ncactng					737

<210> 3481
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 3481

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gattcgaaca	tatgcagtta	ttccactaaa	tgatgaatgt	gggattattg	aatgggtgaa	120
caacactgct	ggnttganac	cctantctgg	ccnaactatt	ttaagaaaan	ggngtgggtt	180
tttgaacagg	aaaagaacct	tcgcccggtg	gtatgcctcc	aaangcagca	actttatctg	240
gaaaactcaa	angtattccg	agaatttctt	ctgnccaggc	atcctcctat	ttttcatgan	300
tggtttctga	gaacattccc	tgatcctaca	tcatggtcag	tagtagatca	gcttactgcc	360
gttccactgc	agtaatgtca	atgggttggtt	atattctggg	gcttggagac	cgatcatggtg	420
aaaatatctt	ctttgattct	ttgactgggtg	aatgcgtaca	tgtagatttc	aattgncttt	480
tcaataaggg	agaaaccttt	gaaagttcca	gaaattgngc	catttcgcct	gactcataat	540
atgggtaatg	gaatgggtcc	tatgggaaca	ganggtcttt	ttcgaaaaca	tgtgaaagta	600
caatgangct	gatgcctgat	cancgagagc	ctttaatgag	tgncctaaag	acttttctca	660
tgaaccnttt	ggggaatggg	gtaaaccatg	naangggcnt	tccaaacgcc	ccttgaatga	720
aacctggaan	aattgncaat	gaaaaggcca	aancnttnt			760

<210> 3482
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(752)
 <223> n = A,T,C or G

<400> 3482

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gctggggagg	cctcacaatc	atgggtggaag	gcaaggaggt	gcaaaaccat	gtcttcacat	120
atgggcaagg	caggaaaaac	cntgtccagg	ggaacctcca	nttattaaac	cnntcaaact	180
tcattgaaga	attaatcact	taccacgaga	accagattgg	gggaaccatt	cccatgaatc	240
aattattctg	cacctggccc	caaccttgac	acgtgggaat	tattcaatgc	caggggtgaga	300
ttgggtgggg	acccatccaa	ctatgtcaag	tatgttttga	cttctggctt	gattgctang	360
tttgcataga	ngacaaacat	ggaaattaat	gaagtacctt	aatatctggc	ttcagatctt	420
agacaggatc	aganggccag	ctcaaatttg	caaggagggg	aggtagatcc	caccatttta	480
tgggctatgg	caaaatcaaa	cagaaattat	gtgggatggg	agatctgatg	cangcatctt	540
tggaaacatc	tacttagcta	attttatgct	aggcttttag	tcaagaagga	gagaaaaagc	600
tgcattgctg	ggtacacact	tattgtccca	ncgacttggg	aaactnangc	aggangattg	660
cttgatccca	agaatttgan	gtaatgtgcc	aagaaccgtc	ttgngaatag	ccctaccctt	720
gaactcaact	tgggcaacat	tganaaaccc	tn			752

<210> 3483
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(783)
 <223> n = A,T,C or G

<400> 3483

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gaattcggca	cgagaggcgt	ccttgcgga	agggcatttt	agctgaggct	ttggagtacg	120
aataggagct	cagcaggcag	acgaaatgaa	ggaantaaag	gtcagaagaa	aggtcagaag	180
cttgagtgc	gttttgaaa	tccaccccg	tttatttgg	agaacttggg	ggttcaaaag	240
ggccagggtgc	ctcagaattt	gaggccaca	cagtgaagtc	tgggtgggtt	gaaagggacc	300
caggaaccga	ggcgttcagg	aaagcaggtt	gtcagagcta	tgtggagtct	gtgggtggca	360
ngggcaaccg	ctccagcctt	tgaagacttt	gaaagccaga	gattcctgcg	cangcttggg	420
cttcctggga	gctcctcaa	gtaccaagg	gcatcagagc	tgcttgggtg	ttacatggcc	480
caaggaaccc	aggttcangg	taggacaggc	aagaccagat	cccaatgtgc	aaagtgaana	540
cactgggctc	ctgttaaacy	atgaagaatt	caagacagtg	acagcattac	gtcacccttg	600
gggacaaang	tcaacctaa	gtgacacacg	gggactactg	tgttttcgga	ngctnccgtg	660
gtcctggagg	anaaaagctt	tanagggggc	aactggacaa	cttcacttg	caaaattcca	720
accttgcttg	ggcaaggnc	cngnctggga	ctnaacattt	ttgatatgcc	ttaaaaatta	780
ttt						783

<210> 3484
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(733)
 <223> n = A,T,C or G

<400> 3484

tacangctct	tgttctttt	gcaggatccc	atcgattcga	attcggcacg	agggaaaccat	60
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atacatcatt	actggcctca	ggggtttacc	caaagaaagg	gtatttttga	gcaaataatg	180
tgatttcttg	gctattttgt	tgggggctta	agattttttt	ttttcaactg	cccttttctg	240
cactaaaaat	taactgtcgt	accatctaga	actatactgt	ccagtacat	agcctctagc	300
cgtatgtagc	tatttgtatt	aagattaatt	gaaattttta	atccagttcc	tcagtcacac	360
tagccacttt	ctaagtgtc	agtagctctg	tgtgaccagc	ggctactgta	ttggatatta	420
tagaagggtc	tttcattcaa	gatcatcatt	cttgacagac	ccataaata	ttcctataaa	480
gactgtagaa	gtgtgttctg	gagggtttgc	tctccaaaaa	gaattgtaat	atagagtaga	540
attgggatag	agtattgaag	acactgggtt	tagacattgg	atattttaat	gattggnggg	600
tctaactcatg	tgctgcaact	gagttatcta	gngatatgac	ctcctgcttg	ccaaagccng	660
aattnaagca	ggattcctga	atctatctta	aaattgcaat	gaaaaccttt	ttcctaaaa	720
atcccttttg	taa					733

<210> 3485
 <211> 806
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(806)
 <223> n = A,T,C or G

<400> 3485

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gnnnnnnnnnt tttnngntna tgaaaacccc tttaatgaaa ccctttttga anccttatga      60
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ttgatagcca cagccctttg tctttctggc agtgggtctc agtctgattt gaaggatgtg      180
ggccagcaca gcaggagagg agggggacac aagccttcgg gaagagcctc catccagtca      240
ctcggtcttt taaggcaggg tgccatacta agcagcttgc ctccaggaat tgctctgaag      300
agaaatcccc acaaacctcc atcctaaagg aaggtaacag gggacacaag cttggatttc      360
cgacctgtag tgtctccagc aaatgggggtt gaaggagtcc cgagtggatc aggatgatga      420
tcaagataga tcttcctgaa gctttctcag aacattgctg tcagactgac ttttaagacag      480
ctgattcaga ggtaaacaca gatcaagata ttgaaaagaa tttggataaa atgatgacag      540
agagaaccct ttgtaaagag cgttaccagg angtcctgga caaacagang caagtgggag      600
aatcagcttc caagtgcaat taaagcactt cagcaaagga gagaaganga aatgaagaat      660
cccaggagat attaaaggct atcaggatgt gacaattaa cgggaagaa acaaagaaga      720
agattgagaa agagaanaag gagtttttgc aaaagganca ggactgaaag ctgaaatgaa      780
aaactttttg aaaaggccaa aggtan                                     806

```

<210> 3486

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (792)

<223> n = A,T,C or G

<400> 3486

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gnnttttann nnnnttttat nnatacaagc tacttgttct ttttgcagga tcccatcgat      60
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cgaaactgac catgaaaccg ggacgggcat ttgggtcaag tgcgggtnc cagctttggg      180
aaggtggctc tcgggcaacc cacttctttc aaccaatttt cacaagtggg aacaattggg      240
gcgggccttc cgtcgtgggc ccccttcggg ggcttgacac taatgggaca gaagctctcg      300
gtgcccgaag gattgcctgc caganggact tgaccacagc ctggctggca actgctctgt      360
ggaggacctc caggactgag actgggctct ggtttccaag ggtcttcact agggccctta      420
ctacacctgg aagtctcaga acccactttg gggggcctcc tgcttgggca ggctcttcaa      480
gtgtggcctc etttggagtc aacctnctt tncgacccc ttcccttagc cgggcacag      540
tactgtcan ggtcgggcca accctgcac tgcttgcag antggcctgg gctaggtcac      600
ttcactntc tggcctaatt tncctcttg agtccctaag gcctggaagg tgggaagtat      660
gtctangggg caatgtcttt ttcanngggg attctaactn ttgggaaccc ccttgttcca      720
aggggaagggn aacctttttc attcaacatt gtaggggcna agctttgtgc gccccctgtt      780
aggancaaac cn                                     792

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<210> 3487

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 3487

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tcccttgggn nnnnnnnnnn tttnannata nagctcttgt tctttttgca ggaccatcg      60
attcgaattc ggcacgagga aaacatctaa ctaagatggt ttactggtg aattcaatca      120
aatatttaag gaacacataa taccaaaacc ataacacata caaatatatg gcccttcaga      180
ttttgtactt cttttttgtg cagtgttaat aatacgtatc tttcaaagaa tatccccctt      240

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tttttttggg	agagataggg	ttttgccatg	ttgttggtag	caagccctaa	ccctgtcata	300
aacaggcctt	aaataaactg	gccataaaca	ggatttctgc	agcaatggga	catgctcatg	360
atggctgtca	tgcacactgc	gaaaagttgt	tggtttactg	gagcagggca	aggaacacct	420
ggccccgccc	ggagcaaaaa	actgctcaaa	ccacaaacga	tagcaggaaa	ggcctgtgcc	480
ttggcagcat	gtttttgctg	cagataatca	gccagagcct	gtttctctgc	tcctcgctga	540
gattgctttg	tttcccataa	agattgcttt	tagctaactc	acaatctata	gaagcaatgc	600
ttatcactgg	ctttctgtca	ataaatgtgt	gggtcaagct	ctgtttgtng	gctctcagct	660
ctgaaaaaaa	aaaaaaaann	nnnnnnnncc	tcgagcctnt	aaaactatag	ngagtcgnt	720
tacgtanac	cagacatgat	aaganccatt	ggtgagtttg			760

<210> 3488

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (752)

<223> n = A,T,C or G

<400> 3488

gnnntntnnn	nmntntnatn	gcctnaagct	acttgttctt	tttgcaggga	tcccatcgat	60
tcgaattcgg	cacgaggtcc	aggcttcctt	ctgatggcca	acccaccttt	aatgctggcc	120
agtctatctc	acacaaagtt	ctaagttttc	caggtgtcat	agtaactcca	tagtctcctt	180
aaatcccttt	ttgaaatttt	tcaacatagt	tcctagtggg	atgggcttac	tttgtgcctg	240
acccatgttt	tctcaagaca	aaacaccatg	gcaggaacag	ccacttgcat	ctgggtcccg	300
tgccacactg	cgggtgcttg	tgtggttggt	gagcctgtcc	ctgcgcgcct	tgctcccggt	360
gagccacgct	gtctggtggg	tgattctctg	cctgagccac	caccctggac	tggccagtct	420
ccagagctgg	cacacctgct	tgttttctct	ttttagacac	aacagccgca	gtttggcagc	480
cactaagtc	caccagctga	ggtccgagga	aagcggggtg	actcatttcc	cttgtcaggg	540
cccaggagga	gtgaggtgtc	cagcctgcaa	agctattcca	gctncttggt	gttggttgca	600
ataaattggg	atttaacaaa	caaaaaaaaa	aaannnaaaa	aaaaaaaaact	cgacctntaa	660
actatagtga	gtcgattact	anatccagac	atgataagat	ncatgatgat	ttggacaacc	720
cacttgaatg	ccntgaaaaa	atgtttnttt	nn			752

<210> 3489

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 3489

cgtnnttttnn	nnccnannga	aagcccttgg	ctacttgntc	tttttgcagg	atcccatcga	60
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tgagccacct	tgcccaccca	catcatacag	ttgaaatgaa	actttgccac	aaccagcctt	180
tgctgtacac	acacatatat	cactgaacct	ggttgaaata	aagntttttt	tctttttcct	240
ctggtattct	gggttctgaa	gtctggtatt	ctggtattct	gggttcaaaa	gtatgacttg	300
agagtgttgc	tctggtattc	tgagagttgc	tctgtattct	gggttctgaa	gattatttga	360
aaaataacte	ctactacatt	gaaatgcaga	cttaaaaaatt	taaacattgg	attaggcagt	420
caaaaaaacc	aagcaagcat	aaaagggtcaa	taagttgtaa	tcttgatagt	aaagggtgaa	480
aacttattat	aaatggaaag	aaaagtttatt	tccttttttg	gttgatgggc	agtatgccat	540
attataccca	aagttctttt	aaaaaatatt	tccatcacca	tttttattta	aaataaacat	600

ttgaggggaag	taccaaggca	gcttttttcc	tcaaaagtac	ctggtcctct	ttgggaatag	660
cacattttan	gggcattggg	taatcctgag	attttactca	ntaaatcctg	atggtactgg	720
gtgtaaaata	tcttttagtng	gattgaaggc	cttgnggggg	a		761

<210> 3490

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(805)

<223> n = A,T,C or G

<400> 3490

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cggggggaca	cgttggtctg	gttttcggcg	ggcttcggcg	tcaaaaatgg	ctggggcttg	180
cgaattctnc	tgggctactn	cgtaggcana	anggccantt	tgggcccga	agttctgggn	240
gtcgaatttc	ggccggacgg	gaagcttang	atatccacca	ccacaaattc	caaaaatgat	300
gtgatgatca	gaaaaagaag	cttatgtgcc	caagaatgta	atgggaaaga	actgaagaga	360
attattgatg	acagtgaat	tacaaaagaa	gatgatgctt	tgtggcctcc	cctgataggg	420
gttggcccga	caggagcttg	aaattgtaat	tggagatgag	cacatatctt	ttaccacatc	480
aaaaataggt	tctcttattg	atgtaaatca	gtcaaaggat	cctgaagcct	tcgagtattt	540
tactatttgg	tcaagacttg	aaatgtttag	ttttcaatct	tattggatta	cacttcaaga	600
ttaaaccaat	ttaaattgna	tgttttcang	ctggttgnat	atttaattaa	gggatgggaa	660
gggttatttg	gcatttacag	tattgggtt	tttatgaatg	tgaagcaaac	aaaaaaaaatt	720
tgtatgtaaa	ctggaaatta	ggaaaatccn	ttaccaagct	taatgggtat	ccttacttga	780
gtccacatgg	gttggcagtc	cccan				805

<210> 3491

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(805)

<223> n = A,T,C or G

<400> 3491

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ttcgaattcg	gcacgaggcc	tgggaaagcg	tggcgcccat	gaatatccgc	aggagcacgc	120
atgacctggg	gggccatgga	cgggatgggt	tgtaccccg	ggggggtaaa	cgaacgggta	180
gcttncaacc	ttcaacttcc	attcgangaa	agtacaaacc	ccgangganc	aacaaagtgg	240
gggtggccgc	attcctggca	ttgtttcaac	ccgggcgcaa	gcaagtgtgg	ggttgtgggc	300
gggtgcttgg	aagetgcttc	aatttccccg	nccgncatcc	ttccccgacg	cttgtcccgt	360
ggccctccac	caagcctctt	gaccaccta	ccaccagaag	ccttgacagc	ttccacatgc	420
cttaaggggg	accgtggccc	ccaccagggg	acgtcctgcg	ccatccgttc	acgtctcttg	480
catcattcct	tcatgtcttt	atttagttgn	ttatttattt	aagttattta	tcttattgag	540
aggtaggag	tgccacggct	gcccgtttac	acctttagcg	tctggctctn	ctgcgtgtcc	600
tcccttact	ggctgcatgg	ggggcccggg	gagtgacaag	cnggggcctt	accggcccaa	660
ggcccgttgc	ctgctnaaac	cttgcanget	gtggagcaag	aggcctgggt	ctttcnaaca	720
ctgcagaccc	acttgaattt	gcacatgcgg	ggtcccggga	agggtgggaa	caagtgtcct	780
tctgtcgtcn	nnttgccng	tgcca				805

<210> 3492
 <211> 795
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (795)
 <223> n = A,T,C or G

<400> 3492

ggctactngn	nngtntttgn	angcnntttt	nantatacag	ctacttggtc	tttttgcagg	60
atcccatcga	ttcgaattcg	gcacgaggna	atgacattca	tgccagttct	tccttgaatg	120
gcagaagcac	tgaagaagta	aagcccattg	gtgaaaacct	ggggccaaac	tgggaaatct	180
gntgggtgnc	ttccccang	ntttaaagga	gatcaatgtn	gaaanggtan	cnngattcaa	240
catttggnca	agccgattca	agaacagtga	aagttattgn	ggatcttatg	ggaccaatth	300
gggccaagaa	gaagtctttt	agacagcttt	acgtccaaca	atgggaccca	tttcaagtat	360
tacttggtg	ggcattccag	tcaacccatg	gaaaattctg	gatttcgtga	agatattcaa	420
gtacctcctg	gaaatggcaa	cattgggaat	atgcagggtg	ttgcagttga	aggaaaagg	480
gaagtcaagc	atggaggaga	agatggcagg	aataacagcg	gagcaccaca	ccgggagaac	540
caggcggaga	aactgacgaa	ttctctaatt	ttagaagang	aaagangaca	taggatgcaa	600
cactttgagc	gaaggaacca	aggcccgga	ggtgggaant	ggangtgatn	ggganccctt	660
gggcttcgac	cagaaggtcc	cgangcagcc	tcaatgacca	natcgctcgc	tgctgatgaa	720
actgcaggag	gacatgcnna	atgtccttta	aagactgcag	aaactggnaa	ccctactgnt	780
tttcaggcna	aaaaa					795

<210> 3493
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (734)
 <223> n = A,T,C or G

<400> 3493

gcttgnetnc	tnccttttca	aatngctngg	ctactngttc	tttntgcagg	atcccatcga	60
ttcgaattcg	gcacgagagt	ggctggataa	aaggatgtgt	gggaaagaac	tgagttgaaa	120
ttaggagtta	gaattttatt	ctttgggtact	aagggaatcat	tgaagatttt	aaaattaggg	180
ctgacataat	cagatttgag	tttgggaacc	tatagtttgg	gactggagga	agacaggtgc	240
cagacaccag	ttaaaaagct	gttattttct	aagcagtaga	caaaggttta	cactgacaat	300
agctgtggag	atagagaaaa	gctgagagat	ttcagagttt	tccaagggtg	aaacaactaa	360
atthttgtgat	caaaatgata	agggccatct	aataagctgg	ggaatgtggg	atctgtcttg	420
gttgagttgg	tggtattaact	ganattaaca	gagctggagg	aaatgtaaaa	agaaaggcag	480
gattgttcat	tttgtctttt	gtttgtttnt	ggggaacagg	gtcaaaatth	tcattctgcc	540
taangtaggt	tttagtcttt	ttcaaaacat	tctagtaggc	aagtctgtag	ctgaatctth	600
ggaagaaagg	caaccattag	taatattttt	tgaagttccc	tacctgggta	atthttttcaa	660
taaaaaactn	aggttctcag	gttagcnaga	atcatggtct	taggaagggt	ancttgtaag	720
acccaaaatt	atnt					734

<210> 3494
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(766)
 <223> n = A,T,C or G

<400> 3494

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accagggcta	gtcttaaact	gttgggtgaa	tcttaagtga	ttctcccacc	tcagcctccc	180
aaagtgtcgg	ggattacagg	gcatgagcca	ctacccttgg	ctgtgatcaa	gtatttttagt	240
ctgttggtta	aatgtttact	aaatagtctg	aagtagagaa	aatagcacc	aatctaaaat	300
aagggtgagg	ctagtcaact	atttaaactc	acattttaag	ctatagttaa	ctattagttt	360
aaactttaag	acaggtaatg	ttcatgtcgc	agacaatcta	agggcattat	taaaaatgttt	420
gttcttcctt	atctcagaat	tgaagtatgt	cagaagcaag	acttttcttt	ccatttttgtt	480
atagtagaaa	tgcatacatt	aacagggtacg	ttttagacat	tacacgtgct	catctgcccc	540
aaagctctaa	tgagctgcct	taccctggaa	tgtttttctt	agcttggtg	tgcttttttg	600
gagggattaa	gaaaagactt	ggctgggcgt	tgggactcat	gcctgtaatc	cacantttgg	660
gaaccnagcg	gtggatcatg	angtcaggag	atggagacca	tccggctaata	acgnggaacc	720
cccgttttta	ctgaaaatcc	aaaaattact	ggcggtggng	gcggcn		766

<210> 3495
 <211> 872
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(872)
 <223> n = A,T,C or G

<400> 3495

nttananttt	naaaaaacccc	ncttntnttg	gcctnacctt	ncggttttct	ttttttttgg	60
gccaggggna	atncccccca	tnccggnatt	tcccggaaaa	tttccgggnc	caccggaagc	120
cctgggggaa	aaaatgggaa	aaaatttnat	ttnatTTTTT	ncaaccccc	atttaggntt	180
angcccaaat	tttaaaaaaa	aggaaattta	ccttccaagt	taaaantanc	gttantnggg	240
gaaatanctt	acctttaagt	tccaataaaa	aaaaggggga	aatggaaaaa	taaatggggc	300
atTTTTtgca	ngcaanccct	ggggantggg	aaaactgggg	angaaccatt	anttcttaaa	360
agtggaangt	aaccttcaag	ggaaaatggg	aaaaaccaa	ccggtcggtg	gtggttcttc	420
actctttaaa	gtggggaagc	taaagcttgt	ggagggaccc	aaagggccta	agaaatgata	480
caatgggact	ttggagactc	aggggaaagg	gtggggaggg	cggtgaggga	taaaacagtg	540
ccactgggtc	agtgtcactg	cttgggtgatg	gctgtccaaa	atctcagaaa	tcaccctaaa	600
gacttattca	tgtgccaaac	tcctgtccca	aacctttaaa	aaaaatgcgc	catcccccca	660
tggaaataaa	gtcaacagcc	tgagagcaa	aaagactgg	tagtaactta	aaatattcca	720
aaagagactc	ctcatgccta	ctagttcact	ctgaatctat	caaacacgta	aaggaatttg	780
gttcacacca	ccaccacccc	caatcttnac	aatctntgag	aaacagagaa	ganggaattc	840
caactccttg	tgaggcagct	tcctgtcca	tg			872

<210> 3496
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 3496

tntctnaatn	tgntnnncgna	tcttgaggac	ccatcggtca	attccgnncc	naggggggna	60
ctncccntac	tccntggatg	tgtgtaccta	gcacacttcc	ttctcccacc	cctttttcca	120
gttggtttg	tttttctgtt	ctcttctgtc	ctgtcttata	ctgcaactgt	gtctcctagg	180
ggacagatgg	ccttctttgt	catcttcact	ctccaccccc	agagaggagt	cagagccata	240
actcaatcac	tcagcccttc	caaagatagt	tgatgtgtga	taatctcata	atgttgagaa	300
ccctgatgag	atacattgtc	ttctctctcc	tacaatgcct	ctggggccaa	ggcaccatt	360
cttcttgcta	tcctccatcc	cccttgagge	ttccactttt	ttttttttta	gacataaagc	420
tgggcatcag	caactggcct	gtggtgatgc	aaagctgctt	tgctctgnat	ctggctggac	480
tgatctgtct	cacaagaagc	catgaggcca	tagggagaag	ctccctctcc	ccttcattctt	540
ctgctccaaa	ggtggtanca	agaggagtac	ccagttaggg	gttggagccc	ccatatnaca	600
tcttctgtgc	agaagactga	tggatctttt	tcattccaac	catctccctt	ttcccccgat	660
gaatgcaaat	naaacttttg	tgacaccagc	aaccattgc	tctttanaat		710

<210> 3497

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 3497

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tgggcacgag	attctctcaa	taatggccag	ccgaaaagta	cgcgctgcca	ggcatctgcc	120
tccgcggagt	cattaaactc	ccacagtggg	cacccacttg	ctgatgtaca	gactttccag	180
gcaaagcgcc	atattcatca	acaccgtcag	tcttactgta	attataacac	tggagggtcag	240
ttagagggca	atgcagccac	ttcctatcag	aagcagactg	acaaaccag	ccactgtagc	300
cagtttgtga	cacctcgcg	gatgaggaga	cagttctcag	cacccaatct	caaagctggg	360
cgagaaaccc	agtataaatc	agttctggac	aaacttgaaa	tcatggtgga	agaaacagac	420
agtgttagct	catgatttga	tttggttcta	cctttggcct	tgagttctta	ttattttacat	480
tataaatatt	aactggtttt	atattgntaa	gacaaaacac	tggtaaaagt	ttcaacacct	540
cccttttgct	tgtataccat	aaatgggcag	ttctctgcaat	tttggtataaa	gcttcaagaa	600
ctcctttttc	tgaaacgttc	ctnctttttt	agtcctaat	taatatactt	acttaccnng	660
gannnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	aaaaactcgg	cctttaaaat	720
ataggggggn	gnnttacnna	aatccaann				749

<210> 3498

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (782)

<223> n = A,T,C or G

<400> 3498

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cttgttcttt	ttgcaggatc	ccatcgattc	gagactactg	actctacgct	taaaaattat	120
taagatggca	aatttcatct	tgtttttttt	taacttaaaa	aaactacata	taagatagtt	180
ttgcctgttt	tcaggtttct	tttcagtgtt	ttaggtatcc	agtatttaaa	tcacaaaatt	240
tgtgatttga	acattttttt	cttccttcat	gagattttta	gtggattgat	acttgctttc	300
cattctgtcc	cgatgtctga	cctttgtaat	gtaaagaaga	acattttgtt	taattgagag	360

aagtctgctg	tgttcttgtt	gatagaggac	catcctagag	ttgggagtgc	tgtctgcaca	420
gcaacaaacc	cagagtctac	tttggatcac	cttatatagt	tcatgagtaa	tcagcagatg	480
cctttccctt	ctatgtctct	ctctcagtga	aaggcactgt	ttcttccact	tggtgaggaa	540
tggcctaata	ctcattgtct	gtaacaggaa	tgtacaact	gctcaaattg	taccatttat	600
catatttggg	aaggctctgc	cttagtcttg	cctgttcaat	tataaaagga	aagaagacgt	660
aaaagatgta	gagttgtctg	ngtgattttc	ccccattat	gtcagaagag	gccttaagaa	720
aactaatacc	ccccacaaat	atatcttttt	agattttctat	tatatatttn	gncttatcaa	780
ga						782

<210> 3499

<211> 736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (736)

<223> n = A,T,C or G

<400> 3499

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caaaagacac	atatcaccat	agtacatgta	ataacacaca	taggctcaaa	gtaaaggggt	120
ggcgaangat	ctgttntgca	gatggaaaaa	aagatcaggg	gtcactattc	ttgtttcaga	180
taaaacagac	tttttaaatc	aacaacagta	gaaaaaggac	tagggcatta	cataatgaag	240
aagggttcaa	ttcaacaaga	tttatcctat	cacaccaag	attggagcac	tcagatttct	300
aaactattat	ttctagacct	aggaaaagaa	ttaaacggcc	acataataat	agtgggggac	360
ttcaacacct	cactgacagt	gtagataga	tcatcaaggc	agaaaactaa	caaattctga	420
acttaaattc	aacagttgac	taattgaacc	taatagacat	ctacagaata	ctccaccac	480
caacaacaga	acatactttt	ttctcatgtg	cacatagaaa	atactctaag	attgaccaca	540
tgctttgtca	caaagcaaat	ctcagtaaat	tcaaaaaaga	tgaaatcat	accaagcatt	600
tcagactaca	gcatagtaaa	aatgaaaatc	aacaccagg	agaaaactctc	aaaacatggn	660
aactnaacaa	cttgctnctg	natgactttt	tgggtaaata	taaaaatang	gcttccttaa	720
ccctttttgn	aacaat					736

<400> 3500

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (752)

<223> n = A,T,C or G

<400> 3500

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cgaattcggc	acgaggtcaa	ctctccttgg	tgagtgcctc	agaacttagg	aaaagagaac	120
agcgcagtgc	tctctcatga	agatgacaga	ggacaaaagc	aagcagaaat	atacaaggat	180
ttgcgtntct	tattatgaat	ttctctttga	gaaataatac	ctgtgagaat	gctgtccctt	240
caattaggtt	caggattgga	ggaaaaatca	tataaaatag	gttcctgcaa	taatattgcc	300
ccttgagtat	gggtgggctt	gtgacctgct	cagtgcctaag	gaaatgcagt	ggaaatgatg	360
ctgtgtaact	tctgaggcca	agttataaaa	gatcatgcat	cttttgccct	gttagtttgc	420
tgacgcctga	tatggagcac	tagaaagaaa	ttatttttcc	aagcatcaac	ccggaagtcc	480
cagcataccg	aggggtggcag	acatcatttc	ttcaatgaac	ttagtattta	gaaagatatc	540
ttcactccaa	gcatcaagtc	ttttctgtcc	tgcaaaagtc	ttaagtcaaa	ccagaatccc	600
tagtagaggg	cacctttgga	ttcaacagta	aaaggagaat	ctacaaaacc	agctcatcaa	660

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aaggggcagt gatgggtata gaacctgnct tacttaagtt caagcaatga ttaatctagc 720
ttccctctgg tggatgactg angnctttgc ct 752

```

<210> 3501

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (752)

<223> n = A,T,C or G

<400> 3501

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agcgcagtgc tctctcatga agatgacaga ggacaaaagc aagcagaaat atacaaggat 180
ttgcgtntctc tattatgaat ttctctttga gaaataatac ctgtgagaat gctgctcctt 240
caattaggtt caggattgga ggaaaaatca tataaaatag gttcctgcaa taatattgcc 300
ccttgagtat ggggtgggctt gtgacctgct cagtgtctaag gaaatgcagt ggaaatgatg 360
ctgtgttaact tctgaggcca agttataaaa gatcatgcat cttttgcctt gttagtttgc 420
tgacgcctga tatggagcac tagaaagaaa ttatttttcc aagcatcaac ccggaagtcc 480
cagcataccg aggggtggcag acatcatttc ttcaatgaac ttagtattta gaaagatatc 540
ttcactccaa gcatcaagtc ttttctgtcc tgcaaaagtc ttaagtcaaa ccagaatccc 600
tagtagaggg cacctttgga ttcaacagta aaaggagaat ctacaaaacc agctcatcaa 660
aaggggcagt gatgggtata gaacctgnct tacttaagtt caagcaatga ttaatctagc 720
ttccctctgg tggatgactg angnctttgc ct 752

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<210> 3502

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (737)

<223> n = A,T,C or G

<400> 3502

```

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taactaagat ggtttcactg gtgaattcaa tcaaatatct aaggaacaca taataccaaa 120
accataacac atncaaatnt atggcccttc agattttgtt cttcttttng ggtcagtgtt 180
aataatacgt atctttcaaa gaatatcccc cttttttttt ggtagagata ggggttttgc 240
catgttggtg gtagcaagcc ctaaccctgt cataaacagg ccttaaataa actggccata 300
aacaggattt ctgcagcaat gggacatgct catgatggct gtcatgcaca ctgcgaaaag 360
ttgttggttt actggagcag ggcaaggaac acctggcccc gcccgagca aaaaactgtc 420
aaaccacaaa cgatagcagg aaaggcctgt gccttggcag catgtttttg ctgcagataa 480
tcagccagag cctgtttctc tgctcctcgc tgagattgct ttgtttccca taaagattgc 540
ttttagctaa tctacaatct atagaacaat gcttatcact gctttctgtc aataaatgtg 600
tggttcaagc tctgnttggt gctctcagct ctgaaaaaaaa aaaaaaaa aaaaactcga 660
gcctntaaac tntgngagtc gnttacctan atccagacnt gataggatcc atgatgagtt 720
tggncacccc nactng 737

```

<210> 3503

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 3503

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gctctgctgg	tccagaaagc	agcccaggcc	tttaactccg	ggctgctgtg	tgtggcatgt	120
ggttcatacc	gacggggaaa	ggcgacctgt	ggtgatgtcg	acgtgctcat	cactcaccca	180
gatggctggt	cccaccgggg	tatcttcagc	cgcctccttg	acagtcttcg	gcaggaaggg	240
ttcctcacag	atgacttggt	gagccaagag	gagaatggtc	agcaacagaa	gtacttgggg	300
gtgtgccggc	tcccaggggc	agggcggcgg	caccggcgcc	tggacatcat	cgtggtgccc	360
tatagcgagt	ttgcctgtgc	cctgctctac	ttcaccggct	ctgcacactt	caaccgctcc	420
atgcgagccc	tggccaaaac	caagggcagc	agtctgtcag	aacatgccct	cagcactgct	480
gtggtcggga	acacccatgg	ctgcaagggt	gggcctggcc	gagtgtgtgc	actcccactg	540
agaaggatgt	cttcaggctc	ttaggcctcc	cctaccgaga	acctgtgtgag	cgggactggt	600
gacccatggc	ttgggggtgc	tgangaaagc	ccanttggac	tggctacccc	ttctggccac	660
ccagtacttc	cttcagcctt	aactgggtga	acttgccggt	tcaaccacca	actttctnag	720
cgagcanggg	ccaaggct					738

<210> 3504

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 3504

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aatattttaag	gaacacataa	tacaaaaacc	ataacacata	caaatatatg	gcccttcaga	180
ttttgtactt	ctttttgtgt	cagtgttaat	aatacgtatc	tttcaaagaa	tatccccctt	240
tttttttggg	agagataggg	ttttgccatg	ttgttggtag	caagccctaa	ccctgtcata	300
aacaggcctt	aaataaactg	gccataaaca	ggatttctgc	agcaatggga	catgtcatg	360
atggctgtca	tgcacactgc	gaaaagtgtg	tggtttactg	gagcagggca	aggaacacct	420
ggccccgccc	ggagcaaaaa	actgtcctaa	ccacaaacga	tagcaggaaa	ggcctgtgcc	480
ttggcagcat	gtttttgctg	cagataatca	gccagagcct	gtttctctgc	tcctcgctga	540
gattgctttg	tttcccataa	agattgcttt	tagctaactc	acaatctata	gaagcaatgc	600
ttatcactgg	ctttctgtca	ataaatgtgt	gggtcaagct	ctgtttgtng	gctctcagct	660
ctgaaaaaaa	aaaaaaaaann	nnnnnnnncc	tcgagcctnt	aaaactatag	ngagtcgtnt	720
tacgtanatc	cagacatgat	aaganccatt	ggtgagtttg			760

<210> 3505

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(766)

<223> n = A,T,C or G

<400> 3505

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gattcgaatt	cggcaccgagc	agagacctga	cagtggcaat	gtatggccac	gttactgaat	120
ctacatgttg	caagagaaaa	actagcagat	gttctttggc	agccctgtca	ttcagctatt	180
attgctaaag	cactaggttg	gaatcattat	gaaaatttcc	atcctcaaat	agaaaggaga	240
tttgacatat	cctcttctct	tgtctgttta	attgatggga	agctttgaaa	ttggaaattt	300
gcttgtgatt	gtatttgtaa	gttactttgg	atctaaacta	cacagaccga	agttaattgg	360
aattgggttg	tctccttatg	ggaactggaa	gtattttgac	agctttacca	catttcttca	420
tgggatatta	taggtattct	aaagaaaccc	atattaatcc	atcagaaaaat	tcaacatcaa	480
gtttatcaac	ctgttttaatt	aatcaaacct	tatcattcaa	tggaaacatca	cctgagatag	540
tagaaaaaga	ttgtgtaaag	gaatctgggt	cacacatgtg	gatctatgtc	ttcatgggga	600
atatgcttcg	tggcataggg	gaaacccccca	tagtaccat	tgggggattt	catacattga	660
tgattttgca	aaagaaggac	attcttntct	gtatttaggt	agtttgaatg	caataaggaa	720
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<210> 3506

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (735)

<223> n = A,T,C or G

<400> 3506

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gaggagaggc	tgtctgcctt	tatgaggagc	cagtgtctga	attgctgagg	agatgtggga	180
attgcacacg	ggaaagctgt	gtggtttctt	tttacctttc	agctgacct	gaactcctga	240
gcccgaacca	ctaccacttc	ctgtccctcac	cgaaggaggc	cgtgggggctc	tgcaaggcgc	300
agatcactgc	catcatctct	cagcaagggtg	acatatttgt	ttttgacctg	gagacctcag	360
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agaatgagtt	ggagcaatct	tttcattgga	ccttcttaac	agatattttac	tgaaggaaac	540
taggttgat	tttcagtga	caatgggaat	aaagcatttc	taaagcaccg	actggagagg	600
aaggcaacag	aaacaaggag	agaagcccga	gagacatgtc	tgcgtgctgc	cacgcactgc	660
ancgattgct	cttgtgaaga	gtttgtcact	gaacattttc	aggggagggt	gtttaccag	720
cnatgtntn	aacan					735

<210> 3507

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (735)

<223> n = A,T,C or G

<400> 3507

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agataatgtc	tttaataaat	ggtgctggga	aaactggntn	tccantntgc	agaagaatga	180
aactagaccc	ccatctctta	gcataataca	aaatcaaaat	taattaaaaa	gttaaattcta	240
agacctcaaa	ctatgaaaca	gctaaaagaa	aacatcgggg	aatctctcca	ggacattgga	300

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gtgggcaaag atttcttggtg taatacctga caaacaggca accaaagcaa aagtggacaa 360
atgggatcac atcaagttaa aaatcttctg cattgcaaag gaaataacaa agtgaagaga 420
cacccataga atgtgagata atatttgcaa actatccatc tgtattaggc catttttgaa 480
gtctacaaag aaatacttga gactgagtaa ttataaaga agaggtttaa ttggctcacg 540
gttttcgagg ctgtcaggaa gcatggtgct aacatctgat cagctttagg ggaggcatca 600
ggaagtttcc acccatggtg gangcaaaag gggaataagt ttctccatgg cagggtgcagg 660
gcaaaaanan gggggaaggg aagtgcncna caaccagatc ttgtgagtn cagatttgn 720
ggngggngct tgnng 735

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<210> 3508

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (735)

<223> n = A,T,C or G

<400> 3508

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ctccagttcc tgggttcaag ccateccctc tgccctcagc tccccagtag ctggaactac 180
aggtgtgtgc catcacacct ggctttacat ttttctgtgg ggtcttacta tgttgcccag 240
gccggtctca aactcctgag ctcaagtgat cctctgcctc agcctccaga gtatctggga 300
ttacatatgt cggctaccgt gtctggccgt tcacatcttt ggccactatt tgcttgtgaa 360
aagggtataat gaggtggtac ttatcatttt tactgngtct catgttttgt atatttttgt 420
ttcatcaact aagatgcact gtaacatctc tgaaatctgg atatattatc aatggtttat 480
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ataaaaaagc aagaagtatt ttttttttgt aatgactgaa agctgtctgt ggatgacct 660
cccttttctt taaacacgat tntntcactt ncaactncaa acttgctcaa ctaatnctt 720
aaaaataact tgagc 735

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<210> 3509

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (756)

<223> n = A,T,C or G

<400> 3509

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attcgaaaat cagctgtatc agttggagta gttaccataa gaacctgtta gctagcagtg 180
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cttcagggtc tgatgatgca aaagtgaact gtgggtctac caatctagac aactcantgg 360
caagcattga ggcaaaggct aatgtgtgct gtgttaaate agccctctt ccagatccat 420
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caatcatggt attcaaagga caccgtaaag cagtctctta tgcaaagttt gtgagtgggtg 540
aggaaattgt ctctgcctca acagacagtc agctaaaaact gtggaatgta gggaaaccat 600
actgcctacg ttccttcaag ggtcatatca atgaaaaaaa cttttagtagc ctgcttncaa 660

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tgagattat atagcttggt gaagtgaata taactctntt tctgtccta taaangactt	720
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<210> 3510
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(751)
 <223> n = A,T,C or G

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tgaccatgta gaagatgaac ttttctctcc tttccacctn cagcctntcc agagagacaa	360
gatggtgaag gaactgagcc tgatgaagag tcagggaaat ggacacctgt tctgtcctn	420
caaagagaac agttaaaga aatntcccaa gctggatgct cagagattaa tttcagagag	480
aggacttcca gccttaaggc atgtatttga taaggcaaaa ttcaaaggta aaggatcatga	540
ngctgaagac ttgaagatgc taatcagaca catggagcac tgggcacata ggctattccc	600
taaactgcag tttgaggatt ttattgacag agttgaatcc tgggaagtaa aaaggaagtt	660
canatgaagt tgcngagaat atgacatgag gccttctact gaatagatcc tttctgacaa	720
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<210> 3511
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(736)
 <223> n = A,T,C or G

<400> 3511	
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ctgtgctagg ctctgcaaata gctaagaggg ggaagttact gtccctgctt ccaaggagat	180
catgggtcta gtgggaaacc cgacacgttc aggtaccttc agatgggcac tcagaagagt	240
aagcccttag ttaatgttta aagatgttta aagatgtctg agactcatag gtcaaagtca	300
gatttcagtt ccaccttatt agacctgcac tgctaaggag ctgcttttagg taaggctgtg	360
ttcctagtca ccagggtgtt caaacacagt gctgggggca atgtgggaat agccttcttt	420
tatttaggaa gtaatgtgaa gtcagtttca tgaatagatc ttactttaag cattcattga	480
gggttttggc aagaatagag taccgtatat gaagggtgtt cctaactctnc ctgcaccagg	540
aataatctag ggctcattan agatgtcaaa gatctggtct agtttcttaa cctaaaacaa	600
gagtgtttta attccatttt ataggcgggg agtctgagcc aaacatgtta tgtcactttt	660
ccaagcttca tancacaaaa gtcttctgtc ttcccatcct gacttttcca cttcataggg	720
actgtcaaag gcagcn	736

<210> 3512
 <211> 772
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 3512

gmnntttnt	tttnnnntn	anagnaaaan	ctttttgcta	cttgetcttt	ttgcaggatc	60
ccatcgattc	gaattcggca	cgaggagaag	ctgacgggca	tgtggtggaa	acngctggtg	120
gcccggcgca	gtggcagggtg	cccgtgtcac	ggacaggcac	ggccccctctg	gaccgcttaa	180
aggtcttcat	gcagggtccat	gcctcaaaga	ccaaccggct	gaacatcctt	ggggggcttc	240
gaagcatggt	ccttgaggga	ggcatccgct	ccctgtggcg	cggcaatggt	attaatgtac	300
tcaagattgc	cccaggtcaa	ctatcaagtt	catggcctat	gaacagatca	agagggccat	360
ctggggcagc	aggagacact	gcattgtgcag	gancgcttcg	tggctggctt	cctggctggt	420
gccacaaccc	aaaccatcat	ttaccctatg	gaggtgctga	agaccgctg	accttncgcc	480
ggacggggcca	atataagggg	ctgctggact	gcgccaggcg	tattctggan	agggaaagggc	540
ccgtgccttc	taccgoggta	cctcccaacg	tgtgggcat	catccctatg	cggcatngac	600
ctggccgcta	cnagactctg	aanaactggt	ggcttaacan	tacaagccac	gactcggaaa	660
accaagcatt	ctctgcttct	ggctgaggac	catatcaaca	ctgcggcaaa	tagccantta	720
cccgttggcc	ttgtccggac	ccnatcagcc	aaccgtggta	ttccataaca	an	772

<210> 3513

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 3513

agnnnnnnt	tttnngcnan	ngnaaaacttt	ttaangaagc	tttaatannc	ctttctctgg	60
atccctcgag	gcgaattcgg	cacgagctac	acagttccca	ctcttctcct	taccattgta	120
ctgagagaga	cccaggctctg	acctgtatag	cagtttgagt	cgaggggctg	tcaaaggggt	180
tgccaaagtc	atctaaagga	cttggcacca	gaagtagcat	tatgacttng	gatccacttc	240
tttatagacc	aatattggca	gccatgaagc	tgcttgtcct	gggtgcggaa	ttcagtttta	300
gtggctgaat	gcacagacag	caggaagaga	gaatagggga	caatgaacaa	cagagagaga	360
agaaatgcag	tgtgtaggga	acctgcaggt	ggtaacagtt	gaaactcata	tcaatgatct	420
tgcttattta	ccactccatg	tgctactctt	ggctgtctaa	tccagcagta	accagtattg	480
nattctaggg	ccttccccaa	attggagcta	cccccagaat	ttctcangct	tttaattcct	540
gaaaatcttt	taaactaaaa	cttctangtc	agttgtcccc	aggggaactg	aggctgtttc	600
tacctgctgc	attgtcagca	aaacttgcta	catgctaatt	attccacttt	cagtgaagca	660
atcaatgagt	gacagtagga	aataactttg	anagttgggt	ggttcctaac	atggcctctt	720
aataatggaa	atgagaccaa	attggggacc	taatnttgcc	aagggaanaat	ggnnaggt	778

<210> 3514

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 3514

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agnnnnnnnt tttnnngcnan ngnaaaacttt ttaangaage tttaatannc ctttctctgg      60
atccctcgag gcgaaattcgg cacgagctac acagttccca ttcnttacct taacnttgta      120
ctgagagaga cccaggtctg acctgtatag cagtttgagt cgaggggctg tcaaaggggt      180
tgccaaagtc atctaaagga cttggcacca gaagtagcat tatgacttng gatccacttc      240
tttatagacc aatattggca gccatgaagc tgcttgctct ggtgcgga ttcagtttta      300
gtggctgaat gcacagacag caggaagaga gaatagggga caatgaacaa cagagagaga      360
agaaatgcag tgtgtaggga acctgcaggt ggtaacagtt gaaactcata tcaatgatct      420
tgctatttta ccactccatg tgctactctt ggctgtctaa tccagcagta accagtattg      480
nattctaggg ccttccccaa attggagcta ccccagaat ttctcangct tttaatctct      540
gaaaatcttt taaactaaaa cttctangtc agttgtcccc aggggaactg aggtgttttc      600
tacctgctgc attgtcagca aaacttgcta catgctaatt attccacttt cagtgaagca      660
atcaatgagt gacagtagga aataactttg anagttgggt ggttcctaac atggcctctt      720
aataatggaa atgagaccaa attggggacc taatnttgcc aaggaanaat ggnnagggt      778

```

<210> 3515

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (784)

<223> n = A,T,C or G

<400> 3515

```

gnnttttnan nnnnnnnntt ttaaaanatc aagttcttgt tctttttgca ggatcccatc      60
gattcgaatt cggcacgagc cggagagaag cagcaggagg gcggcgcgcg cgtgcgctgc      120
gacacacctg ccaactgcac ctatcttgac ctgctgggca cctgggtctt ccaggtgggg      180
ctccagcggt tcccagcgcg atgtcaactg ctcggttatg ggaccacaag aaaaaaaaag      240
tagtgggtgt accttcagaa gctggataca gcatatgatg accttggcaa ttctggccat      300
ttcaccatca tttaacaacca aggttttgag attgtgttga atgactacaa gtggtttgcc      360
ttttttaagg atgtcactga ttttatcagt catttggtca tgcagctggg aactgtgggg      420
atatatgatt tgccacatct gaggaacaaa ctggttatta aatagagcat ctgttgaggg      480
actcttttta aaccacagcc atgaacagac gtbggggcta agagacagac agcctgggac      540
agtgtggacc tacctgtagc agctagcaaa ggctctagc agctacagtc cttctctggag      600
tctttatttg catgcaaaat gcaaaggagt cctggtgacc tactccaagc actgcccttc      660
tgaacactcc ttggaaaaca gtaaacatca ttttggaatg tgaacaacca gagactnccc      720
aggagaaagg aaaaaaaaaa tntgaagatg caaaatcttg ggtggcttca cgtcaattt      780
ttaa                                         784

```

<210> 3516

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 3516

```

gnnttttnnn nnnnnnnntt tnnnnatcag ctctgttctt tttgcaggat cccatcgatt      60
cgaattcggc acgagcacag tccttctgga gccagaccg aagccacagt agcagtgccca      120
gctcagcaga aagtcaggac agcangagga ggaagaaaaa gaaggaaang aaaaacncag      180
gaancntaaa aggttagga ncttangaaa cntgcaggcn ctgaagtgga attggaaaaa      240

```

```

nccaaaaccc caanccccang aaaangagtc aanganganc aangntaaga gaaggagaag 300
gagaaggatg accaaaangt gaactctgcct gtgtaaaagg cagatttttt aattgcttaa 360
tactaagtca tctgtttnaa atttggtata tgtaagagat tcaagccttg naatatgaca 420
tggaagaccc tgtgctgcac ttaaatatgc ttgcttgatt atttgatttt acatcagagc 480
tttataacac gaacttttgt ccagaattgt gagttgtgcc atgttacatg aganggtttt 540
gctagggcct attattttta ccaccattaa ttagttgggg tggagtttac tgtaatgtga 600
aatttcccat ttgaattttt aatggctggc aaagctgntt tagtcttaaa ttcancggat 660
gattgctgaa tcattncacc ctgtatgtcc ttttggnntc atnaaagttt cagtaacttt 720
caaaaaaaaa nnnnnnnnnnn nnnnaa 746

```

<210> 3517

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(777)

<223> n = A,T,C or G

<400> 3517

```

gnnttttnnn nnnnnnnntt ttatannata cagctcttgt tctttttgca ggatcccatc 60
gattcgaatt cggcacgagg aaaggacagt gctacttgta tatgaagggt atagaacgag 120
cggcttttcc tcggcgtctc tgggaacggg tccggcttag taaaaactat gagaaagcac 180
tggaagcaat agatgaaaat ctgatttact ggccccgttt cattcgacac aaatgtaagc 240
agagattcac caagatcacc caatcctaatt tcgaattaga aaacttcact aaagcgacag 300
aggaaacttg ttcctttgag taagaagggt gagcgtaggg agaaaagaag agaggaaaaag 360
gcattaatag ctgctcagct ggacaatgcc attgagaagg aattactgga gagactgaac 420
aagatacgtg tggcgacatc tacaacttcc cattcatgcc ttcgacaaag ccctggaaca 480
acaggaggca gagagtgact cttcagatac tgaggaaaaa gatgatgatg atgatgatga 540
ggaagatgtg gggaaaagag aatttgtcga agatggtagg gtagatgaga gtgacataag 600
tgattttgag gatattgata actggatcca gcagtgatga agatcaggat ggtaaatcct 660
ccatgaggag gaggaagaaa aggccttatg cgaaacacaa angcnaaatg cccttganag 720
gncctgcgga naaaccaacc tnttggaat ngaatncaac nggagacaaa cccgtgg 777

```

<210> 3518

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 3518

```

taannnatac agctacttng ttctntttga agcncttttn ananatacan gctacttggt 60
ctttttgcag gatcccatcg attcgggcct ccccccctt gctgcacacc tacactgaag 120
gaaggctatt tgcagatgca gcaagaange agccatctgc aaggcagaag aagagaccct 180
caccaggaac tgaataagtc agtcagctctg ggacttcac ctctagaact gtgaaacaat 240
aaattttctg ggtgtaagca actcaatcta tagtagtttg ttactatttt gttatagcaa 300
ccaagatga ctaaccagac aggttatgtc actcgccaag tgtcttggtc tgtttgtgct 360
gctataacaa aataccttag actgggtaat ttacaaacaa cagagatgta tccagagatc 420
cacagttctg gaggtgaga agtctaaaat caaggcacca gcagattcca catctcgtga 480
aggctcactc tctgcttcac agatggcact gcttgetgtg ttctcacatg gcagaagggg 540
caaacaagcc ccctggggc tcttttataa aggcactaac tctatgccta aangcagggc 600

```

```

cctcatgact ctatcaccta ccaaaaggct tcacttcttt atactattgg angggtagaa      660
ngaacttcct ttctagacct tgaaagggtta agaaatttga atctattaaa caagctgaca      720
atngacagat taacaggaga aaaagcntat acatttttta atgtgggccca aatggcaaaa      780
gcttaaata                                     789

```

<210> 3519

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(763)

<223> n = A,T,C or G

<400> 3519

```

tatagnatca gctcttggtc tttttgcagg atcccatcga ttcgaattcg gcacgagcga      60
ataaagcaga aaaggagaga tcgctgaagg aaaagtctcc gaaagaagaa aaactgagac      120
tgtacaaaga ggagagaaaag aagaaatcaa aagaccggcc ctcaaaatta gagaagaaga      180
atgattttaa agaggacaaa atttcaaaag agaaggagaa gattttttaa gaagataaag      240
aaaaactcaa aaaagaaaag gtttataggg aagattctgc ttttgacgaa tattgtaaca      300
aaaatcagtt tctggagaat gaagacacca aatttagcct ttctgacgat cagcgagatc      360
ggtggttttc tgacttgctc gattcatcct ttgatttcaa aggggaggac agctgggact      420
cgccagtgc agactacagg gacatgaaga gcgactctgt ggccaagctc atcttgagga      480
cggtgaagga ggacagcaag gagaggaggc gggacaccgg gcccgggaga agcgagacta      540
cagagagccc ttcttccgaa agaaggacag ggactatttg gataaaaact ctgagaagag      600
gaaagagcag actgaaaagc ataaaagtgt ccctggctcc tttcggaaaa ggcaagaaga      660
ngagagagtc cncaaagccc ggccggacag aaggaccctt ggaagctgca agganccnag      720
ggaccgcagg gccaacccna ggaggtgccc cggaggactn aat                               763

```

<210> 3520

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(821)

<223> n = A,T,C or G

<400> 3520

```

tnannnnannc annnnnnnnn nnnnnnttga agccattgct acttggtctt tttgcaggat      60
cccatcgatt cgaattcggc acgagagcaa ttccactcct agctccaccc acaggaaatt      120
gaaagcaaaag acgcaaacag atgcctgtgc accaaagtgc acgggcaagc atccttcggc      180
cttaatgggc agcattccgt cgtcacaagc gggcattcat cctttcatca atagcgggca      240
gcattccgtc gtcacaagcg ggcagcattc ctttcgccac aagcgggcag catcttgctc      300
gtcacaagcg ggcagcatcc ttcgcaaagc cgggcaagca tccttcgtca tagcggcagc      360
atcctttgcc atagcgggca aggtggaaac cctgtccatc cactgaggcg tgcatagact      420
aaacatggcc agtccaggca ctggaatcca ggcccgtaga acggcgccca cgggtcaaaag      480
gaatgagacc ctgatgcact gggcgacaca gacggcgac acagacttgg agacatcatg      540
ctaagtgaag agccaggcac acggagcgga cggcgtgatc ctgctcacgt gatgtgtccc      600
gaatgggcac gttcagaggg aagaaggag atggcgcttg ccggtgcccg gggacnaggg      660
ttgggagcga cgggtgctgg tttggggttt ctttctgggg tgangaantg gttttgatat      720
ttggnccggt ggtgatgttt gcatacctct gaatatgctt aaganccaca gaattgacca      780
ctttaaatgg atgaattgna tggatttggg aattacccaa n                               821

```

<210> 3521
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(772)
 <223> n = A,T,C or G

<400> 3521
 gnnntttntt tttnnnnntn anagnaaaan ctttttgcta cttgctcttt ttgcaggatc 60
 ccatcgattc gaattcggca cgaggagaag ctgacgggca tgtggtggaa acngctggtg 120
 gcccggcgca gtggcagggtg cccgtgtcac ggacaggcac ggcccctctg gaccgcttaa 180
 aggtcttcat gcagggtccat gcctcaaaga ccaaccggct gaacatcctt ggggggcttc 240
 gaagcatggt ccttgaggga ggcatccgct ccctgtggcg cggcaatggt attaattgtac 300
 tcaagattgc cccgagtc aa ctatcaagtt catggcctat gaacagatca agagggccat 360
 ctggggcagc aggagacact gcatgtgcag gancgcttcg tggctggctt cctggctggt 420
 gccacaacc aaaccatcat ttaccctatg gaggtgctga agaccgctg accttncgcc 480
 ggacgggcca atataagggg ctgctggact gcgccaggcg tattctggan agggaagggc 540
 ccgtgccttc taccgcggta cctcccaacg tgctgggcat catccctatg cggcatngac 600
 ctggccgcta cnagactctg aanaactggt ggcttaacan tacaagccac gactcggaaa 660
 accaagcatt ctctgcttct ggctgcggac catatcaaca ctgcggcaaa tagccantta 720
 cccgttggcc ttgtccggac ccnatcagcc aaccgtggta ttccataaca an 772

<210> 3522
 <211> 819
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(819)
 <223> n = A,T,C or G

<400> 3522
 aaacagctac ttgttctttt tgcagggatc ccatcgattc gggagaaatg ctggccacag 60
 atggtgctgc ccaacaggcc cataccactc gttccagtca gaggtgcttg gcctttgtgg 120
 gatgaatggt cggttggtca aatcaagctt tttccaaatg aacaaganca ctggncctta 180
 ccatattttg gcaaggatcc gaaatcaagg gttcttcttt caaagtgctt gccaggggga 240
 atcttgaaaag aagggtaccc cttgcaacaa aacctggctt cctgtaaacc ctcttcttga 300
 agggaatccc ctgcttgccc cacttgcat tttccaagtt tgcccttctt caagaatgta 360
 ttaaaccctg aaccagggtg cttgtcttgt gcccaagacg atcttgggaa acccggcccc 420
 atgggatctg tacttgantg cttgctgagc ttcaccact gagagtttac ctctggagtt 480
 cantgatgac ttggatgttg tgggtgatgg tatgcantgt ctnccttaact ttgctttttg 540
 atccttcact aacccttgaa gatcatttan tcaaagaaat tgcttgaaga cacantggat 600
 attttgggcc anatgcaa at ggctggagat nggtgcagat cccanggatc tcgaaattct 660
 gagaaagctt ttgnaccatt ggcttaaaat ggattggcta ctgcaaattg gaagccagaa 720
 ccacttttat tanttgatag tttggggaac catttacttt ggtggattna aattctcgtc 780
 tttaaaagaa gtatttctga acatntttaa caaaaaaan 819

<210> 3523
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (765)
 <223> n = A,T,C or G

<400> 3523
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 actggtacca ccgcacgcac cccaccgtgc tgctggggcgc gctgccgttg cggagcttga 120
 cgcgcactg gtacaggacg agaacgtgcg cgggggtgatc accatgaacg aggagtacga 180
 gacgaggttc ctgtgcaact cttcacagga gtggaagaga ctaggagtcg agcagctgcg 240
 gctcagcaca gtagacatga ctgggatccc cacttggaca acctccagaa gggagtccaa 300
 tttgctctca agtaccagtc gctgggccag tgtgtttacg tgcattgtaa ggctggggcgc 360
 tccaggagtg ccactatggt ggcagcatc ctgattcagg tgcacaaatg gaggccagag 420
 gaggctgtaa gagccatcgc caagatccgg tcatacattc acatcagcct ggccagctgg 480
 atgtttctaa agagttncac aagcagatta ctgcacgggc aacaaaggat gggacttttg 540
 tcatttcaaa gacatgatgt atggggatta gaaagaactc aagacactcc tgcttgatac 600
 agaacaaaaa gagcttaaca ggaccaacan ggcttaaccc agacttgacg taacagaaat 660
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 actgttgtgt nggctngaaa nggaaaaaaa aaaaaaaaaa aaaaan 765

<210> 3524
 <211> 763
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (763)
 <223> n = A,T,C or G

<400> 3524
 gnntttnaaa nnnncagntc ttgttctttt tgcaggatcc catcgattcg ccaggctagt 60
 cttgaactcc tggcctcaag caatcctccc acctcgccct cccaaagtgc tgggattaaa 120
 ggcgtgagcc accgtacctg gcccttggtg gaatcttttag ggttttctat tcatacatat 180
 aaaatcatat cacttggcaaa cagagataat tttacttctc cctttcgaat ttggttgcct 240
 tagatttctt ttccttgcct aactgctctg tctagaactc ccagcactat gctgaataga 300
 gtggcaagag caggcatattg ccttgttcct aaccttagag aaaaatcctt cagcctttta 360
 ccattgagga tgatgtttgc tggtagtttt tcataaatga tctatatcag gctgaataaa 420
 tttctatttc taaaaaaaaa aannnnnnnn nnnnnnnnnn nnnnnnaaaa aaaaaaaact 480
 cgagcctnta nactatagng agtcgtatta cgtagatcca gacatgataa gatncattga 540
 tgagtttgga caaaccacaa ctagaatgca gtgaaaaaaa gctttatttg ngaaattggg 600
 gagctattgc tttatttgna accattntaa gctgcaataa acaagttaac accaccaatt 660
 gcttcattta tgggttcaggc cagggggagg tttggagggt ttttaattcg cggccgnggg 720
 ccaatgcatt gggcccggtc ccaactttgg tccctttagg gng 763

<210> 3525
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (765)
 <223> n = A,T,C or G

<400> 3525

```

ggnnnttttnn attatacagt tcttgccctt ttgcaggatc cctcgattcg aattcggcac      60
gagggtggcta tccatcaaca taagtaaaaa aaaaaaacac tttntccct ccccatatta      120
gattatttat taacatattt taaaaatcag atgagttcta taaataattt agagaagtga      180
gagtatttat ttttggcatg tttggcccac cacacagact ctgtgtgtgt atgtgtgtgt      240
ttatatgtgt atgtgtgtga cagaaaaatc tgtagagaag aggcacatct atggctactg      300
ttcaaataca taaagataaa tttattttca cacagtccac aaggggtata tctttagatt      360
ttcagaaaaa cctttggaaa tctggatcag aaaatagata ccatggtttg tgcaattatg      420
tagtaaaaaa ggcaaatctt ttcacctctg gctattcctg agaccccagg aagtcaggaa      480
aagcctttca gctcacccat ggctgctgtg actcctacca gggctttctt ggctttggcg      540
aaggtcagtg tacagacatt ccatggcca gagtgctcag aaactcaaga taggatatgc      600
ctaccctcag ctactctctg tttaaagttc agctctttga gtactcttca attctttcag      660
gacacttggg tgggaattcag taagtttct ntgaacaccc tgaanggtgc catccttaca      720
gactaantgg agacgtttcc agatcagccc aagtttacta tagag                          765

```

<210> 3526

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (774)

<223> n = A,T,C or G

<400> 3526

```

tttttaana aancaggntt cctaatnctt gttntnnnga nacaggctac ttgttctttt      60
tgcaggatcc catcgattcg aattcggcac gagattctct caataatggc cagccgaaaa      120
gtacgcgctg ccaggcatct gctccgcgg agtcattaaa ctcccacagt ggtcacccca      180
ctgctgatgt acagactttc caggcaaagc gccatattca tcaacaccgt cagtcttact      240
gtaattataa cactggaggt cagtttagagg gcaatgcagc cacttctat cagaagcaga      300
ctgacaaaac cagccactgt agccagtttg tgacacctcc gcggatgagg agacagttct      360
cagcacccaa tctcaaagct ggtcgagaaa ccacagtnta aatcagttac tggacaaact      420
tgaaatcatg gtggaagaaa cagacagtg tagctcatga tttgatttgg ttctaccttt      480
ggccttgagt tcttattatt tacattataa atattaactg gttttatatt gtttaagacaa      540
aacactggta aaagtctcaa caactctctt ttgcttgat accataaatg ggcagtttct      600
gaaatttttg ataaagcatc aagaactcct ttttctgaaa cgttcctcct tttttagtgc      660
ctaattaata tacttactta cacggaannn annnnnnnnn nnnnnnnnnn nnnnnnnnnn      720
nnnnnaaac tcgnnccttt aaaactatag gngtgcgttt acctaaatcc aann                          774

```

<210> 3527

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 3527

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ggnnntnnnt tnnnnnnnt ttttaana ancagctact tgttcttttt gcaggatccc      60
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cgccatgggg ccttgaanct ggggcttccc atgggagctg atggcttcgt gccctggggc      180
accctcctgc agntgnccca gttccgcggc ttntntgctg aagatgtgca gcgcgtgggtg      240
gacaccaata ggaagcagcg gttcgnccctg canntggggg atcccannac tggncctnta      300
atccgggcca accagggnca ttccctgcan gtacctagn tggagctgat gccctggag      360

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acaccgtagg	ccctgcnccg	atgctagtc	atggtacatt	ctggaagcac	tggcatccat	420
cctactcaaa	ggcctgtcct	gccanggaag	gacgcacatt	cacctgcccc	angactgcct	480
ggagaccce	gtatcatcan	tggcatgcgg	tcccattgng	aaatagctgn	gttcatcgat	540
ggaccctc	ctctggcaaa	tggaaatccc	ttctttcgtc	tgccaatggg	gtgatantga	600
cttcanggaa	tactgatggc	ttcctacttc	caagtacttc	aangaggccc	tgcagntacg	660
ccctaccgaa	accccnttcc	ttgmnrtggg	atgaaaagac	acaatgtaat	agtncccnaa	720
cccantttca	ganaaaggag	gaggatccaa	cattaaatat	tanttataaa	aagaatttta	779

<210> 3528

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (762)

<223> n = A,T,C or G

<400> 3528

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cagaacaaat	tgccaaaagc	cagagttggt	tatgctagt	caactgggtc	ttctgaacca	180
cgcancatgg	cctatatgaa	ccgcttggca	tatgggggtga	ggggtactcc	atttagagaa	240
tcagtgtatt	tattcaagca	gtagaacgga	gaggagttgg	tgccatggaa	atagttgcta	300
tggatatgaa	gcttagagga	atgtacattg	ctcgacaact	gagctttact	ggagtgcact	360
tcaaaattga	ggaagttctt	ctttctcaga	gctacgttaa	aatgtataac	aaagctgtca	420
agctgtgggt	cattgccaga	gagcggtttc	agcaagctgc	agatctgatt	gatgtgagc	480
aacgaatgaa	gaagtccatg	tggggtcagt	tctggtctgc	tcaccagagg	ttcttcaaat	540
acttatgcat	agcatccaaa	gttaaaaggg	ttgtgcacta	gctcgagagg	aatcaagaa	600
tggaaaatgt	gttgtaattg	gtctgcagtc	tacaggagaa	ctngacatta	gaagctttgg	660
aagaggccgg	ggagaattga	tgatttggtc	actgccaaa	ngtgttgag	cactcattga	720
aaacatttcc	tgttcanaca	ggaaaacttt	ntagttacta	ga		762

<210> 3529

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (770)

<223> n = A,T,C or G

<400> 3529

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cgcaggcgta	ctgacagggt	gaccagcgga	ctgggtggaga	tggcgacgct	ctctctgacc	120
gtgaattcag	gagacntcc	gttagganct	ttgttgncag	nnnancncgt	naaaaaacnat	180
gtagnntttt	ccgttgaana	agggaaaagag	antnttcttn	atgtttctga	aaatgtgatn	240
ttcacagntg	tgaattctat	acttcgttac	ttggctagag	ttgcaactnc	agctgggtta	300
tatggctcta	atctgatgga	acatactgag	attgatcact	ggttgagctc	agtgtcnaa	360
aattatcttc	atgtgattcc	tttacttcta	caattaatga	actcaatcat	tgccctgtctc	420
tgagaacata	cttagttggg	aaactccttg	agtttagcag	atztatgtgt	ttgggccacc	480
ctaaaaggaa	atgctgcctg	gcaagaacag	ttgaaacaga	agaaagctcc	agttcatgta	540
aaacgttggg	ttggctttct	tgaaccacag	aggecttnca	gtcagtaggt	ccaagtggga	600
tgtttcaaca	ccaaagctcg	agtggcacct	gagaaaaaca	agatgttggg	aaatttgttg	660
agcttncagg	tgccgganat	gggaaanggt	accggcagat	ttcttccaaa	ggccatgggt	720

acttacacat tgggcattcn aaaactgntc ttntgaccac actaccaggt

770

<210> 3530

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(786)

<223> n = A,T,C or G

<400> 3530

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acggcctgca	gctcccgcgc	gcggggaaag	ggaagaagtc	ctcccntaca	aagcaaattc	180
ncaaacttgg	aagaagcant	ttacacagga	tgtgcagatc	tcaatggaag	gacacgggaa	240
acgtgaaaaa	gcaaggaagt	ggggacgcct	ccaaaggaac	ccagtaattc	tccagcaaca	300
gatccccatc	caaaagaaat	tcaagaaatg	tcatatagag	aattgtggaa	actgatttta	360
accaagatta	gagggattca	agagacttct	gaaaaagaaa	gtaaggaaat	gtcaacagca	420
attctggata	tggttgaggt	atttaccac	cagatacaga	gtttccaga	gcacatggca	480
aatgtggaac	tgaagaaatc	actggatgaa	atccaaagta	tactcgaaag	cttcaatgat	540
agactagatc	aagcagaaaa	aaaactctta	aaacttaaaa	tcttgaagct	tttactcaat	600
tcaaataattt	aatgggttgt	ctctggccat	tcangtgaac	aaaatctgct	gggttaattn	660
tttttttttt	tgaatggga	tnttcgcttc	tgtcgcccaa	gcttgggaatt	ccattggccg	720
ggaccttngg	nttactgnaa	gcttccgctt	ccagggttnac	gccatttttc	cttgcttaan	780
cttctn						786

<210> 3531

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(786)

<223> n = A,T,C or G

<400> 3531

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acggcctgca	gctcccgcgc	gcggggaaag	ggaagaagtc	ctcccntaca	aagcaaattc	180
ncaaacttgg	aagaagcant	ttacacagga	tgtgcagatc	tcaatggaag	gacacgggaa	240
acgtgaaaaa	gcaaggaagt	ggggacgcct	ccaaaggaac	ccagtaattc	tccagcaaca	300
gatccccatc	caaaagaaat	tcaagaaatg	tcatatagag	aattgtggaa	actgatttta	360
accaagatta	gagggattca	agagacttct	gaaaaagaaa	gtaaggaaat	gtcaacagca	420
attctggata	tggttgaggt	atttaccac	cagatacaga	gtttccaga	gcacatggca	480
aatgtggaac	tgaagaaatc	actggatgaa	atccaaagta	tactcgaaag	cttcaatgat	540
agactagatc	aagcagaaaa	aaaactctta	aaacttaaaa	tcttgaagct	tttactcaat	600
tcaaataattt	aatgggttgt	ctctggccat	tcangtgaac	aaaatctgct	gggttaattn	660
tttttttttt	tgaatggga	tnttcgcttc	tgtcgcccaa	gcttgggaatt	ccattggccg	720
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cttctn						786

<210> 3532

<211> 783

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 3532
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gggacggcct gcagctcccg cgcgccgggg aaaggaaga agtcctccn tacaaagcaa 180
attcacaac ttggaagaaa cantttacac aggatgtgca gatctcaatg gaaggacacg 240
ggaaacgtga aaaagcaagg aagtgggacg cctccaaagg aaccagtaa ttctccagca 300
acagatcccc atccaaaaga aattcaagaa atgtcatata gagaattgtg gaaactgatt 360
ttaaccaaga ttagagggat tcaagagact tctgaaaaag aaagtaagga aatgtcaaca 420
gcaattcttg atattggtga ggtatttacc aaccagatcc agagttttcc agagcacatg 480
gcaaattgtg aactgaagaa atcactggat gaaatacaaa gtatactcga aagcttcaat 540
gatagactag atcaagcaga aaaaaaactc tcaaaaactta aaatctgaag gcttttactc 600
aattcaata tttaattgggt tggactcttg ccattcangt gaaccaaagt ctgctgggtt 660
aatttttttt ttttttgana tggaaatctng ctnttgtcgc ccagcttggga atcaattgcn 720
ggacctcggg tnattgcaag ctcccgcttc caggttcacc cattnttctg ccttancctn 780
ctg 783

<210> 3533
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 3533
gnnttttnnnn nnnnnntttt aaantacttg ctacttggtc tttttgcagg atcccatcga 60
ttcgcccgag gagcggagca gaggcaccca ggcagcctgc gcggagaaat tggatcggcg 120
gggacggcct gcagctcccg cgcgccgggg aaaggaaga agtcctccn tacaaagcaa 180
attcacaac ttggaagaaa cantttacac aggatgtgca gatctcaatg gaaggacacg 240
ggaaacgtga aaaagcaagg aagtgggacg cctccaaagg aaccagtaa ttctccagca 300
acagatcccc atccaaaaga aattcaagaa atgtcatata gagaattgtg gaaactgatt 360
ttaaccaaga ttagagggat tcaagagact tctgaaaaag aaagtaagga aatgtcaaca 420
gcaattcttg atattggtga ggtatttacc aaccagatcc agagttttcc agagcacatg 480
gcaaattgtg aactgaagaa atcactggat gaaatacaaa gtatactcga aagcttcaat 540
gatagactag atcaagcaga aaaaaaactc tcaaaaactta aaatctgaag gcttttactc 600
aattcaata tttaattgggt tggactcttg ccattcangt gaaccaaagt ctgctgggtt 660
aatttttttt ttttttgana tggaaatctng ctnttgtcgc ccagcttggga atcaattgcn 720
ggacctcggg tnattgcaag ctcccgcttc caggttcacc cattnttctg ccttancctn 780
ctg 783

<210> 3534
<211> 772
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(772)
 <223> n = A,T,C or G

<400> 3534
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 tcgaattcgg caccaggaac caagaaaata tttaaaaatc taagcagtc tttgctcatt 120
 aaaggataaa tcagtagtta acactttttc tacaaagaaa tgggtgtgcc tggatgggtc 180
 gtgtaggtag gttttccaag gattatggta acaaatgagt gagacctcta tggagaaaat 240
 attgaaggac attaaagaag acctcataaa tggagagaga tatatcatta atggataggg 300
 aagcctcaat ggcataagta tgtcagtttc tttcaaaact cacctatgga ttcaatgtga 360
 ttccaaacca aatcccacaa ggtctttcct ggaattggaa gccagattct gaaatgtatt 420
 tggaaaagta aagaggcagg gtttagctatt tcattaacaa agaaggaaca tcaggcaggg 480
 agacttggtg tattattaag gcttattata aattattatt gtgatcaaga tagtgtattt 540
 ttggtgtaga gatagttaaa ttgccaatgg attgagccaa atttncaaaa cagaccacaa 600
 aataaatgaa ctctaattta caacagagac agtactgcag atcatggggg gaaaggatga 660
 actattgagg gattggcaac ttttttggtg aggctanaca gccttacgtg gggtcacagt 720
 gtctgtggaa ntaggcacct ctgctgnggt attgtaagan cactntganc at 772

<210> 3535
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(781)
 <223> n = A,T,C or G

<400> 3535
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 attcgaattc ggcacgaggg gattacaggc atgaccacc gcgccagcc tgtaatttct 120
 tatactttgt attttgtact tgtattatgc ttctgaatac gctataatta tttatgtaca 180
 tgtttttttt cttcaataga ctggtggaac tcttcgaatg tagggactcc tagagctaga 240
 tctcgaatga ttttttatta aattgaatga cttgaaacta cagatccctc atttcaactt 300
 cccaaatttc tgccttatct aggcaactct ttaaattctt ttatctcatg tagatttcaa 360
 aggtgaaat aattgagatt ttttagtttg aagaaaagag aactgaggat ttaatgtcat 420
 tattattata ttttaaatgg actgtttggg agtaagttgc agacattgtt cactttcact 480
 cctaaatact taaatatttc ctaaaaacag gacattcttt ttttttttta tggagtctgg 540
 ctctgtcgtc caggctggag tgcggtggca cgatcttggc ttactgcaag ctcccccttc 600
 cagattcacg ctgtctcctg cctnactgct cgggngctg angcagggga atcgcttgac 660
 ccnggangcg gangttgcan anagcctaaa cgggccattg gactccagct gggtagcaag 720
 aaccggacct ccgttggaag aaaaaaaaaa aaaaactnng cctttanaac tttngggggc 780
 g 781

<210> 3536
 <211> 768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(768)
 <223> n = A,T,C or G

<400> 3536

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tcagaacaaa ttgccaaaag ccagagttgt ttatgctagt gcaactgggt gcttctgaac      180
cacgcaacat ggcctatatg aaccgcttgg catatggggg gaggggtact ccatttagag      240
aattcaagtg attttattca agcagtagaa cggagaggag ttggtgccat ggaaatagtt      300
gctatggata tgaagcttag aggaatgtac attgctcgac aactgagctt tactggagtg      360
accttcaaan ttgagggaag tcttctttct cagagctacg ttaaaatgta taacaaagct      420
gtcaagctgt nggtcattgn cagagagccg gntcagcaag ctgcagatct gattgatgct      480
gancaacgaa tgaagaagtn catgtggggg cagttctggc tgtcaccaga ggttcttcaa      540
atacttatgc atagcatcca aagttaaaag gggtgtgcac tagctcgaga ggaaatcang      600
aatggaaaat gtgtngtaat tggctgcagt ctcaggagaa gctnnaacat tagaactttt      660
gaagaaggcn ggggagaatt gatganttgg ttcaactgcc aaagtgtgtg cantcactca      720
ttggaaaaca tttntctgctc cagcngggaa aacttatggg tacttggn      768

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<210> 3537

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(755)

<223> n = A,T,C or G

<400> 3537

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agcnnnnnnn tnnnnnnaat aaactctttg caacttcnct ttttgcagga tcccatcgat      60
tcgccaggga tgaactggtt gcagtggctg ctgctgctgc ggttnccgtg agaggacacg      120
agctctatgc ctttccggct gctcatcccg ctccggcctcc tgtgtgcgct gctgcctcag      180
caccatgggt cgccagggtc cgacggctcc gcgccagatc ccnccactac aggggagcga      240
agtcaaggcc atgttctacc acgcctacga cagctacctg gagaatgcct ttccttcgat      300
gagctgcgac ctctccctgt gacgggcacg acacctgggg cagttttctc tgactctaat      360
tgatgcactg gacaccttgc tgatttgggg aatgtctcag aattncaaag agtgggtgaa      420
gtgctccang acagcgtgga ctttgatatt gatgtgaacc ctctgtgttt gaaacaaaca      480
ttcnagtggg agggaggact ctgtctgctc atctgctctt caagaangct ggggtggaag      540
tagaagctgg atggacctgt tccggcctnt ctgagaatgg ctgagaagc ggcgggacac      600
tcttccaaac nttaaaacc actggcatgc catatggaca gtgaacttac ttatgggggt      660
gaaccaggga aaaaccctg tcacctgtcc ggaaggattg ggaccttnat ggtgaattgc      720
cacctgacag ctnntggtga accgtgttca anaan      755

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<210> 3538

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(762)

<223> n = A,T,C or G

<400> 3538

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cagaacaaat tgccaaaagc cagagttgtt tatgctagtg caactggtgc ttctgaacca      180
cgcanatgg cctatatgaa ccgcttggca tatgggggtga ggggtactcc atttagagaa      240
tcagtgattt tattcaagca gtagaacgga gaggagttgg tgccatggaa atagtgtgta      300
tggatatgaa gcttagagga atgtacattg ctcgacaact gagctttact ggagtgcct      360

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tcaaaattga ggaagttctt ctttctcaga gctacgttaa aatgtataac aaagctgtca 420
agctgtgggt cattgccaga gagcgggttc agcaagctgc agatctgatt gatgctgagc 480
aacgaatgaa gaagtcctat tgggggtcagt tctgggtctgc tcaccagagg ttcttcaaat 540
acttatgcat agcatccaaa gttaaaaggg ttgtgcacta gctcgagagg aaatcaagaa 600
tggaaaatgt gttgtaattg gtctgcagtc tacaggagaa ctngacatta gaagctttgg 660
aagaggccgg ggagaattga tgatttggtc actgcccagg ngtgttgag cactcattga 720
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<210> 3539

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 3539

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attogaattc ggcacgagac taccccgggt acggttcccc catgcctggc agcttgcca 120
tgggcccggg cagcaacaaa acgggcctgg acgcctcgcc cttgcccga gatacctcct 180
actaccangg ggtgtactcc ggcccattat gaactccttt aagaaagacg acggcttcag 240
cccggtaact ctggcaccac ggatcgagga caagtgcag agcaagtggg ggtcgagact 300
ttggggagac ggtgttgag agacgcaagg gagaagaaat ccataacacc cccaccccaa 360
cacccccaa acagcagctc tcttaccgcg tgcagcccg cctccaaac agagggccac 420
acagataccc caggttctat ataaggagga aaacgggaaa gaatataaag ttaaaaaaaa 480
gcctccgggt tccactactg ttagactcct tgcttcttca agcacctgca gattctgatt 540
ttttgggtgt gtgtctcctn cattgctggt gttgcaggga agtcttactt aaaaaaaaaa 600
aaattttgtg agtgactcgg tgtaaaacca tgtagtttaa cagaaccaga nggttgacta 660
ttgttaaaaa caggaaaaaa ataatgtaag gtctgttgta aatgaccaan aaaaaaaaaa 720
aaactcngcc tntaaactnt tntgagtcgt ntctgtaaat ccaan 765

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<210> 3540

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (820)

<223> n = A,T,C or G

<400> 3540

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tcgaattcgg cagagatat ttgtacatgc atatttcaaa gacctgttaa tgggtgccac 120
tttggtattct tacatgaaac gattcaagtg gcnattgggt aaggcctaen ggaccacgcc 180
aaaanggggt cccaacttat ttaaaggat ttcaagtacc ctccaaaaa ngttaaatgg 240
catttaagac actttcanga atggttaaac tggtctctaa aacaaaaact ccctaaagtc 300
tggtccctat caaatatata tttntaatat accatatata tttttacca taggaatact 360
cacaaaagtg caagccaata ataacattgg caagaaaaag taatacatat ctgctaggtg 420
acaatatcaa acaattcagg ggaataattt tactttaatt aacattaaca gaatttcttt 480
ttccacttca aatcaatcat atttctgtca tctccaacct aagatatatt ttagattgtc 540
tcctatttct ttgattcaaa agccaattac agaaactatg aacttgacct aattctgggt 600
tttgacaatt atgagacaga aataaagaaa tgcaagcagt tcttttcttt gccactgacc 660
attttttaat tcatcatcct ctatgatgat ggtgctttca caactgcagc tctnctgtat 720

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gtcaaaatca ttctggttnc aggtaaatgg acaaanggag atttgccttc agtgtctaaa 780
aggcaattta cttttcaagc tgncttaatt acctatgggt 820

<210> 3541
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (767)
<223> n = A,T,C or G

<400> 3541
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cgaattcggc acgaggctat gctaaacagc ctttacatgt atgggtctggt taaagttcct 120
ttgttccttt tgttttaata aaatgtgtca ctgatttttt agctcaaaaa tcatcactgg 180
taattccaag cccccaaaat atgggttaaaa agattttttt tttaatcatg aagagaaaaat 240
tagtagcatt ctttctctcc cattatttat tggttttcct cactaatctt ttttttttta 300
gtccaaaagc caaaaatatt tatcttggtt ttacatttta atttccattc ttaattgtaa 360
tttttttctt taaataagga aaccaatata atctcatgta taaaaactta aatattttac 420
aagttacata tagcatcatt ctaaaataag aatttttttt gntttctgtc tgcttttttc 480
ttatgtctct tgntgagttt tatattttca gtggttattt ttgcttgngt tagatcatta 540
ttaaaatata tccaatgncc ctttgatact tgnctctgc tgagaatgac cagtttgcat 600
taaacatccc agtctcatcc ttcaggaatt tgcagtcagt gagaagangg agacaaattt 660
aaagatgagg acagaagcat ctntacagat gaaaattacn taaataaaaac attctccatc 720
aacactaaaa aaaaaaaaaa aaaactcgac ctttagaact ntagggg 767

<210> 3542
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (765)
<223> n = A,T,C or G

<400> 3542
ttaagctana gctacttggt ctttttgcag gatcccatcg attcggtcgg gtctccaacc 60
tcattaagca ccacagggtt cactctggag agaagcccta taagtgcagt gactgtggga 120
aagcatttag tcagagcttc cacccttatt cagcatcggt agaaattcac actgggagaa 180
aaagcctcac gttgtggtaa atgggtatgt ggaaaagccc tttagttata gcttcagtgc 240
tcccgaaagc accagatcat ccacacggga gagaagccgt acagatgcag tgtctgtggg 300
aaggccttca gccacagctc agccctcatt cagcaccagg gcgtgcacac aggcgacaag 360
ccctacgcct gcacgagtgt gggaagacct ttggtcgcag ctccaacctc atccttcacc 420
agcgagtcca cactggagag aagccctatg aatgtactga atgtggaaaa accttcagcc 480
agagctcaac cctcattcag catcagagga ttcataatgg gctgaagccc catgaatgta 540
ccagtgtggt aaagccttca ccgaagctca aatctcattc accaccagaa agttcatact 600
ggggaaaaac cctacacctg tggtgaatgt ggtaagggct tnagccagag ctacacctna 660
ttcagcatca gataatncac acgggcgagc gccctacaa atgcatgagt gtgggaaagc 720
cttaatcagc gtctgncctn atcancacca gaggattaca ctggg 765

<210> 3543
<211> 734
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (734)

<223> n = A,T,C or G

<400> 3543

gcttgnetnc	tnccttttca	aatngctnng	ctactngttc	tttntgcagg	atcccatcga	60
ttcgaattcg	gcacgagagt	ggctggataa	aaggatgtgt	gggaaagaac	tgagttgaaa	120
ttaggagtta	gaattttatt	ctttggtact	aaggaatcat	tgaagatttt	aaaattaggg	180
ctgacataat	cagatttgag	tttggaacc	tatagtttg	gactggagga	agacaggtgc	240
cagacaccag	ttaaaaagct	gttattttct	aagcagtaga	caaaggttta	cactgacaat	300
agctgtggag	atagagaaaa	gctgagagat	ttcagagttt	tccaagggtg	aaacaactaa	360
attttgtgat	caaaatgata	agggccatct	aataagctgg	ggaatgtggg	atctgtcttg	420
gttgagttgg	tggtattaact	ganattaaca	gagctggagg	aatgtaaaa	agaaaggcag	480
gattgttcat	tttgtctttt	gtttgtttnt	ggggaacagg	gtcaaaattt	tcattctgcc	540
taangtaggt	tttagtcttt	ttcaaaacat	tctagtaggc	aagtctgtag	ctgaatcttt	600
ggaagaaagg	caaccattag	taatattttt	tgaagtccc	tacctgttta	attttttcaa	660
taaaaaactn	aggttctcag	gttagcnaga	atcatgggtc	taggaagggt	ancctgtaag	720
accctaaaatt	atnt					734

<210> 3544

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (768)

<223> n = A,T,C or G

<400> 3544

gnntttnnnn	nnnnnnnttt	taagntactg	ctacttggtc	tttttgcagg	atcccatcga	60
ttcgaattcg	gcacgaggtt	cttcaaaagc	aaccagagac	ggcttagcag	tttttagagct	120
tcagaacaaa	ttgccaaaag	ccagagttgt	ttatgctagt	gcaactgggt	gcttctgaac	180
cacgcaacat	ggcctatatg	aaccgcttgg	catatggggg	gaggggtact	ccatttagag	240
aattcaagtg	attttattca	agcagtagaa	cggagaggag	ttggtgccat	ggaaatagtt	300
gctatggata	tgaagcttag	aggaatgtac	attgctcgac	aactgagctt	tactggagtg	360
accttcaaan	ttgaggaagt	tcttctttct	cagagctacg	ttaaaatgta	taacaaagct	420
gtcaagctgt	nggtcattgn	cagagagccg	gntcagcaag	ctgcagatct	gattgatgct	480
gancaacgaa	tgaagaagtn	catgtggggg	cagttctggc	tgtcaccaga	ggttcttcaa	540
atacttatgc	atagcatcca	aagttaaaag	ggttgtgcac	tagctcgaga	ggaaatcang	600
aatggaaaat	gtgtngtaat	tggctgcagt	ctcaggagaa	gctnnaacat	tagaactttt	660
gaagaaggcn	ggggagaatt	gatganttgg	ttcaactgcc	aaagtgtgtg	cantcactca	720
ttggaaaaca	tttntctgct	cagcngggaa	aacttatggg	tacttggn		768

<210> 3545

<211> 10

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (10)

<223> n = A,T,C or G

<400> 3545

nnnnnnnnnn

10

<210> 3546

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(936)

<223> n = A,T,C or G

<400> 3546

ttangtgnac	nccctggana	accacttgnt	tttntgacg	gateccatcg	attcgagnaa	60
atngtcctgc	antcctatat	gcngaatttt	ntnnatatct	tgacccaaaa	taactgggggt	120
aaaatatnta	gtngaacct	tgtatatatt	ataaacttag	ctttgtaata	ttaagtatga	180
aagcagcana	natagatagt	ctcagaagaa	gaagaaaatg	tataaatnct	tggggagagc	240
tgtgataaan	ngactagact	tacctttgag	ttcctagccg	atccctacct	gacagctttc	300
ccagctggga	aaaatctgct	tgggcaaggg	aaagggggaa	tatgattatt	ggangaactt	360
cccaccttat	agggactggc	aagaggggat	acatgaccag	ggaatgaacc	ataaaaggga	420
gagaaattgg	acattttaat	tttacangga	attaagatga	gatctaagna	taatttgaaa	480
gattttgaaa	naaagagcca	aatccgagga	aagatgtaag	gaaagtgatg	gggangggaa	540
aaaaaattat	gggatggtna	agactttcta	aagttaatgg	ggggaggaaa	tccaanggac	600
caccaaggggt	aaggtttaaa	gaaggggaaa	gganccaaaag	gaattttaan	ggaacccatg	660
gttttttcan	cccccagaac	cagggggagaa	anccaaaangg	gaaaggaaaag	ganccggaan	720
ggcttgagc	cnccagggg	gggcttnca	cgncctggt	taattcccc	acccncttt	780
ttgggggaag	ggcccaaang	gccgggtgg	aatccancgn	angggccng	ggagaaatng	840
gaccanccca	tnccngggc	ctaaaccacc	gggggnaaaa	ccccctct	tnttacctta	900
aaaaaatccc	caaaaaaaa	accgcccang	gggcat			936

<210> 3547

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 3547

tattatacan	ctacttggtt	ttttgcnng	atcccatcga	ttcgaattcg	gcacgagatt	60
atacagttcc	ccacattgaa	gttgggaaga	agatatatgg	agagcagttg	aagacataag	120
gggctctggg	gaacagcata	gttttgcttt	aattctccag	cttggtctca	gtaaggggtg	180
aaggagaaag	agaggaaagta	tcgattttac	agacgtcaca	tcgtactgct	aagaacagac	240
agaaaacttg	ttgtaataac	ccgtacacac	tgtaggagaa	ctaaggaggc	ccctggtgta	300
gcaatcattt	tcccaaggat	gacggattgt	gaggcaggaa	ggtgtgaaaa	gaggcagtc	360
tttatataat	tttggggttt	ccgctgagga	aacctgagtg	aactcacttc	agatgcattt	420
ggaatatatt	aataaaaaat	acttgatttt	ggctgctgca	ggaactgctg	gaagaaggaa	480
acaatcctag	aattggcata	aaaacacact	gactcattac	tcctctttgt	tactattagg	540
catcagagat	acatgttttg	ttgatttttg	ttacagaaat	gagacaaagt	tgaatctgaa	600
tacattggct	tncttgttca	aggagctcct	cttggtatca	atagctattt	catgaaactt	660
ctttagagaa	caaccatgat	acttccaaca	agctatttta	gaaacaaaaa	ttatgctgga	720
tctaattact	cctaaaaatg	tcattttcaa	tgaatattgc	actgattct		769

<210> 3548
 <211> 883
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(883)
 <223> n = A,T,C or G

<400> 3548
 gnnnnagnna gngnnnttnn nccntnttaa ccttnnacan ctcttgncctt ttagcangat 60
 cccatcgatt cgaattcggc acgagattta atcttccata agatntttcc tcagtgtctt 120
 ttactttcttc tcctgccatc agattcttac cttgattgaa aagccatgtt aagtgcaagg 180
 caaattctttt acgtctttat acagagatta acaatctctg ggtgatggga gcgttaagtg 240
 attaacccttt gtcactagta natgtgggag gttagaaaag tgctgccctt tttgggtctc 300
 agtccctcag ttctgcaatt acaggcagcc tcattattng gncaaatcta tgtaaaattg 360
 atancncata tccaattaaa aaggatggtn agngggcaaaa aaaaaagaga gagagattga 420
 ttatnaccta gtccttgata gcccaacagg gngaatatag tccataataa ttggattggn 480
 cattggataa taactaaaac cntaattgga ttgtccgaac acaaatatta agcttgaggg 540
 gatggatacc ccactctcca tggacgtgga ttattactga tggcatggcc tatggcaaaa 600
 atatctcatc tngggcataa gccccaaact aaggtncocg ccaggaatta aattnaccaa 660
 nnnngccctc cgagncctct taaaaaccta ttagngggagg tccggtantt acccgtagga 720
 atncccgagc ccttggaatn aaggaatacc catttggtt ggaaattttt gggacaaaaa 780
 nccnccaaa cctttagnaa atggccnngt nggnaaaaaa aaaaaanggc ctttttaaat 840
 tttgggggga aaaaaatttt ggggggnaan ggcctattt tgg 883

<210> 3549
 <211> 768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(768)
 <223> n = A,T,C or G

<400> 3549
 actattgaca cctcttggtc tttttgcagg atcccatcga ttcgctccct ctgcttcctc 60
 aaaccaggc ttcgctgcct ctgcggagtt cttacctgtc tctcctttcc acccggttc 120
 cctggaggaa gctaaactca gaccaaggcc ctgggctccc caggagttaa aagggaatac 180
 gctgtcccaa gattctagaa tgaagagtca acgtagcccg agtggcttaa acctcctgtc 240
 cttaaagtca agaaatgttt tctatcgagc cctggacagg tgtctctgct ggccctgggt 300
 tttcaacagg tcatgcctgc ctcagacccc agggacaaat gttcttccag ctctaactca 360
 ttctatgctt taagcttttg acctatcttt gttttcccag tgccacacca aatgctgcct 420
 ggggatctct ctttcttctc gagttcccat ataagaagcc cccattttaa gaattcagtt 480
 ggaatgggtt gtatttcaaa agttgctttg caagttagtt atttggttt caagttgcat 540
 tttaccaggg taacaatatt ataatgattg gttaccttcc cagagcaatc cagaaatgcc 600
 cacataaccc atgtcacacc tgaaccaccc tgagttcttc tctccttgaa cctcttaagc 660
 tttnccttaa ctctaacagg tctcatggtc cactcaaggt gtttcatgct tctcaantac 720
 gtccctttcc actgntgtct acctntntc caaacacaac acaaaaaca 768

<210> 3550
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (769)
 <223> n = A,T,C or G

<400> 3550
 tttaaatcta tatacangct acttggtcctt tttgcaggat cccatcgatt cgtaacagac 60
 taaattttct ctgtaagagg ttatttccta gatagttaat atttttggta ctactttgtg 120
 ctgtatttta taactattaa ggaatggtgc agagaaatgc tatcaattgt taaaattttg 180
 ccatgaatac agcagcctca ctgaattctc ttagtagttc taatagcttg ccattttgatt 240
 ctaacagggt ttctatgtaa aagatgggtg catcttcaaa caatgatagt ttcattttctt 300
 ctctttcacc tcttaccttc cttgtgtttc ttttagcattg ggcagggtcct tcagggatat 360
 gtgaaacagt ggcagtaaca accagacatc ctggcctctt tgtttttttt tccatgatga 420
 agtctcactc cgttgccag ctggagtgcg gtggcacgat ctcggtcac tgcagcctcc 480
 acctcccggc ttcaagtgat tctcctgctc aaccccccaa gtacttggga ttacagggtcc 540
 tgccactaca cccgactaat ttttgtactt ttagtaaaga cagggtttca ccatgttggc 600
 cagctggttg agaattcctg acctncagt atccacctgc ctgcctctct ctaagttctt 660
 ggattacaag tgtgagccac cagcctgcc attgnggcct ctttattggt cttcttgaaa 720
 atgccctgaa gtgtcttaat acacataatg ttgctgtaaa ncaatgatt 769

<210> 3551
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (765)
 <223> n = A,T,C or G

<400> 3551
 tgaacctttt tacacctctt gctctntttg caggatccca tcgattcgga aaaagagatg 60
 ggtcaggagg gaaagccaag atggaaaatg gatgggaatg aatgaggaaac atgatgtggg 120
 ttgggggtgc aattcatggt taatacaaca tgtgtggctc agtataacca gattgtcata 180
 agaagctcag gcagctctcc cctctgttg cctggggctt ttgcagctca caataaaagt 240
 ggaaagatga agaataaggg caagcagaag acacacacat ttgcctgttt ccctcttttt 300
 gtccagattg agtagatggg aggcagggtc gttacccatg atggtgtttc ataccagagt 360
 caatctacta gtttgccttg ttttataggc gtgattccca aattttgaat ctgaagttag 420
 ctgtcagttt aaattcagag ggtccgcagt tgtttttcag gtttttcttg attctgcctt 480
 tggaaaccag gaagatgttg aatttacttt tcatctgaca atattgcaca tctgtgaacc 540
 caactgatct gaaagtgttt acctcttaac tctgtgaagt tagctgggta ttctggatgg 600
 ctggggacaat ggtgaggacc gttataatgg ttactctcac ctgtgctcca gacgtccac 660
 ttggtgctag aaatcacagt gaacaaacat ggttcttgcc tccacacact tgcagttant 720
 agggcagact gacgacatta aaaagatcca tcgggggtggt ataatt 765

<210> 3552
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 3552

ttaaacccttt	tgacacccta	cttgttcttt	ttgcaggatc	ccatcgattc	gaattcggca	60
cgaggtgggg	acgagccctc	cccattcctga	gtccacaggg	agatccacag	ctcacggagc	120
ctggccgcgg	acccttccca	cccctgcctt	gccggccctt	gcacatttag	gatatgctcc	180
tgggtgggga	ctgggctgtg	cccagggcct	ctgtccccc	ggatgtcttg	tgggtcgggt	240
cggccgttct	gccccccagg	gcaccccctg	ttgtaggcac	tggctaggga	ggggcaggcc	300
tcctttctgcc	cctcgagaca	ctcttgggag	atgcattttc	cgtctggctc	acagggggag	360
ggtgaggctt	tgcaccccag	cccctgcccc	agccactgtg	agggtgggtg	ctggctgagc	420
ccccggggca	acangagcca	agcangtgat	gtctttgttc	tcggctccca	cagcagaacc	480
aggtaggggg	gcgcctgcca	nggccagacc	caagtggggc	agcctgaacc	tgcttcccct	540
gtggccggca	tgccccgata	tttacacact	ggtgaccctg	aaagaagaag	gagggaaggaa	600
ccttgcnngg	gtgtctgaag	gccgcactgt	cagcttggcc	gggtccaaacc	tgtngcttgg	660
aacttggggg	ctgtttacct	aataaaagtn	cccacaagtg	ccctnantta	aaaaaaaaaa	720
nnnnnnnnnn	nntnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnt	780
ntnnnnnttt						789

<210> 3553

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3553

ttgaacnatt	tganacctct	tgactntttg	caggatccca	tcgattcgaa	ttcggcacga	60
gataaacactg	agaaaggagt	atggtatact	tggtttgaac	tgtgtgctac	actaccaggc	120
cccttccaca	ttatactact	aatttattta	aaatagatag	gtatcacact	gagaggatat	180
aaaaaaaaatt	tctgcctctt	catttttggt	tcttgtttga	acagaaaaaa	tgaccaaaat	240
attgggagta	cttctaagga	aaaggcaaca	cacattccag	ttaacacttg	gatgtgaaaa	300
tatcaatgaa	tattagaatt	tataagtcaa	actggctctg	ctcgctgatt	gcaattttta	360
gttacattca	ctattttgtg	ctaaatttaa	gtcattggta	tacgactggc	cagagtcctt	420
ggtttttaaac	attactgaga	actttatata	tactcttaat	gggtatttta	tataatgtcg	480
aatgaaactt	ttatttttag	atcttttaaaa	aattttttgc	antttggact	taatttttaa	540
ctaaattgta	tcagccagcc	taagggcatt	atgctaaatg	taaatctagt	tcttggttaa	600
gcttttattg	aaagatatng	ggtgctgtaa	gttaatatat	tgtagtgaag	gtgtgggaga	660
aaagttaaat	tggcacttaa	atcttanttt	tcaaggaaaa	cgtgtcccg	acatactgca	720
ttatgatgga	cttgtctcan	gtgaagtga	gaagtgaag	aatcaagtgt	atggc	775

<210> 3554

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (828)

<223> n = A,T,C or G

<400> 3554

ttnnnnnat	gnnaaaggng	cagccncttt	gnaacccttg	gtaaagcccc	ttgttctttt	60
tgcagatccc	atcgattcga	attcggcacg	agtatctatt	ggcagcaaag	antntttatt	120
ggtatactac	aatatgattt	aactgttatt	ttggggataa	atagtagaaa	aaagtgaaac	180
agaatgaagg	cagggtgttn	ttattctaat	gatggaataa	tacagagata	ctggacgatc	240
tctagcagtt	aattattgtg	acccatataa	aattatacag	gtcacagtat	aattctctat	300

taccgntttt	acaccagtaa	gtcttagata	aactaagcat	gcttatgaat	tatgtatata	360
gttagaatgc	attattttta	cagaggaaca	attgcttgta	tgtactaaca	ctgnactctt	420
ggcttgccctc	aagttctact	cattattnta	tataaaatac	tattaggctg	ggcacggtgg	480
ctcacgccta	taatcccagc	acttttgga	ggtggangct	ggcggattac	ttgaaggcca	540
ggagttcgag	accaccttgg	ccaaaaatgg	ggaaccccn	atctctataa	aaaatacana	600
aaattanccc	angtgtcatg	gataccatgc	ctgnaaatcc	ancttctttg	ggaaggctga	660
agggcacnggg	aatcggcttt	gggccccggg	gaancacaag	tttgcaaatg	gagcccaaga	720
nccatgccac	ttggaccna	aancctgggg	tggacaagag	tgcaacactt	gnntcanaaa	780
aacaaaaaca	aaaaacatca	gantantggg	ttggngaagc	cnanttgc		828

<210> 3555

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(782)

<223> n = A,T,C or G

<400> 3555

gcnnnnnctn	gggaggggng	nttgnggggt	nnccttttct	caaaatanct	ggacntcnna	60
ctcgccnaaa	canataggnc	ggggcgcat	acatgattct	gncttaacga	agatagaagc	120
atnttattgc	ataagttttc	ttctgtgtgt	gggaatcata	tgtgggtgta	tatatgttta	180
aggggtatgc	atccgggtag	acgtttgtgt	gtggacatgt	gtgtacagg	atataagtac	240
atgtgtcata	gccttggtac	aggtctcata	gccttgacgc	actgtgttcc	tggcgggagt	300
ggcatcngtc	tgcatgtctg	aaaatgccac	gtgtgcattc	tgctgatcac	caaggtnngn	360
ggctgtaggc	atcctctctt	cantgcgtca	gaagtctgaa	gaacatgtag	cngcaccggg	420
gcgncatgag	aaagnaacnt	gtaggattta	tnaactcatt	tcttgaagcc	actcactgtn	480
tgnntttaag	naccaannnc	gattgcccac	tgccaantac	agaanagact	tcntttgggtg	540
agtacangna	tgagngactt	ctctccnnng	gncnnnctat	aatgaactnt	cngaactcctg	600
acttcncgca	ncagtcncnc	ggactcccc	ganctgggct	nnttccgctc	cccacannga	660
aatnangcnn	tnccccattc	cccaaangnc	gnccccccnn	ctnccncccc	nncnccccac	720
ccnccnccnc	ccnccncccc	cccncccncc	cancnccnnn	cncnccnccn	ncnccnccn	780

ct

<210> 3556

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 3556

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cgcccagctc	cgaggttgga	gcagccccgc	cgggcaactt	gaattttctgc	aaacgaacac	120
agcaccggga	gctctgcaga	cctgtgtcgg	cgcggaaccc	ggactgagac	atgccttttg	180
aactttctcag	atagaggaac	cccagtgaag	actgatcagt	tcttacaatt	ctcaaagcat	240
ggcccataaa	tatgtggggt	tgcagtatca	cggatcagtg	acatttgagg	atgtggccat	300
agccttctcc	cagcaggagt	gggagagtct	ggactcttcc	cagagggggt	tgtaacagaga	360
tgtgatgttg	gagaactaca	ggaacttggt	gtcaatggca	ggacattccc	gttctaaacc	420
acatgtgatc	gccttatttg	aacaatggaa	agagcctgaa	gtgacagtga	ggaaagatgg	480
aagaagatgg	tgacacaggat	aagaaagctc	cagtctacaa	acaaaacatg	ccagaagatt	540

tttaggcgat	gatgccacct	gcacatggaa	ccaaaagatt	tgcagttgga	agatgataca	600
atcggctgta	aagaaatgcc	cacctctgaa	aactgtccat	cttttgctct	acatcagaaa	660
ataagtagac	agaaaccacg	tgaatgtcag	gaatatggaa	agaccctttg	tcaagactca	720
aacctgttca	catgaaagaa	tncatagtag	tgaa			754

<210> 3557

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 3557

tccnnttcta	atgcttggct	actngttctt	tntgcaggat	cccatcgatt	cgcccaaac	60
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agttgtccat	aaatatgtgg	ctatatctct	gggatctctc	ttttgttccc	ttggtctaca	180
tgtctgtttt	taatgggagt	atcatactgt	ttctattact	gtaattttga	tgtatatattt	240
gaaatcaa	atgatgatgc	tgctagctcc	attctttatg	cttgagagt	ctttggctat	300
ttagggctct	ttctagttcc	atacaaattt	taggtttatt	tttatgcttc	tgtaaaaaga	360
ggccattgga	atttttagtag	agattgcatt	gaatcttttag	atctctttgg	atagtattga	420
catattaatg	attctaattt	cttgaatcta	tgaacatgag	atatctttcc	gttcatgtgt	480
gtattcaaca	aattcattat	tattattatt	antattatga	ttattatcat	tattattgag	540
acagagtctc	aatctgtcac	gcaggctgga	gtgcacgatt	tcgggttact	gcaacctctg	600
cctccggctt	caagtgattc	tcttgccctca	ngctcccaag	tagctgggat	tataggcacg	660
tgccaccacg	cctggctgaa	taattggatt	tttagtagag	acngggattt	taccatgttg	720
gccaaagntgg	gtctngagcc	tttagaacta	n			751

<210> 3558

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (747)

<223> n = A,T,C or G

<400> 3558

agtnnttnt	ttttgactcc	ttgctggnet	cttgttcttt	ttgcaggatc	ccatcgattc	60
gaattcggca	cgaggccaca	tagcaatggt	ntaactgcag	gactcaggtc	cacttgccca	120
gcagctggca	gggaagggcc	atgaggcagt	agagtcccta	caggccaaga	aactgagcag	180
aacctatgcc	tccagctcac	cagctgcatt	gaagcccca	gctggcaggg	agactgctgt	240
gaatggacag	ggtgagctca	tccccttgaa	gaacattgag	ggagaattgt	caagtgtat	300
tcacatgacc	aaggatgcca	ccaaggaggc	tctacatgcc	accatggacc	tcaccaagga	360
agctgtgtcc	ctgactaagg	atgccttcag	tttgggcaga	gatcgaatga	cctccaccat	420
gcacaagatg	ttgtccctgc	ccccagccaa	agtctggtcc	agaatctgtt	ccacaggatc	480
tctttcaaat	gtctcagata	atgctggtgt	tcaagggagc	cctcttgatga	ataattatgg	540
ccaggggtca	ccagagcca	acagttcaat	ttcaccagc	ccctggaccg	ccaaacagct	600
actcactgct	ttactggcc	cacaagtaca	gaccagagac	aaagcaagag	aagaagcaga	660
gactgtttgg	cccgggccc	agaagaagct	tgctggcnaa	ggggacgttc	caacgaagag	720
accactgtcc	ttcagacagg	anttaca				747

<210> 3559

<211> 778
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (778)
 <223> n = A,T,C or G

<400> 3559
 gggntttnnnc cctttgaaan cttttataca agctacttgt tctttttgca ggatcccatc 60
 gattcgaatt cggcacgagg gttgttctag gtagtttcat gcggatgctg acctaaacta 120
 gaatgtagaa attagtagga aagtgaatgc ccactagggtg gaaacctgaa agcacgggga 180
 cctgcgatct tgtttactgt tatattcctg ctgcgcagct caggggtctct atgtaaaaaa 240
 tgagtgaatt tatttttctag ctgggtgccta caaaataatc tgcaatgtat ccatactggg 300
 ttattaatgg taacaaatga accgtactaa tatgagataa taggggaaac tagatatgga 360
 gtgtatggga attctatctt tactatttct ggaaacctaa aactactcta aaatagaagg 420
 tttatgtttt gaaagcactc tgctcattgc gctcttgtct gaaaagtga gacctggcctc 480
 aagccacttt gagtatttct cttctgccag ttaattatct taccattgcc tctcagtgat 540
 attaagagaa aacccatcct taacattttt cattactttt taggttcaaa atgagcctgt 600
 ttggaacaac ctcagggtttt ggaaccagtg ggaccagcat gtttggcagt gcaactacag 660
 acaatcaciaa tcccatgaag gtccacgaaa agctttctgg ggcttgtagg aagaagtttg 720
 ggcagagttt cttccatcaa nggccagaac ccgagatgac cttgggaacc tcctttan 778

<210> 3560
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (772)
 <223> n = A,T,C or G

<400> 3560
 ttgaancttt atacagctct tgtntttnt gcaggatccc tcgattcgag aaagaaaaag 60
 aaaaaagcca tatggcatag aaaaaaaaaa ttctgtcttt ggaggaaaaa ggaaaaaagt 120
 cccaggtttg aagccagttg tggcctctta ctaggatatatt tattgagtct ttcagctctg 180
 tttcaaaatc tagaaaatga gttcagtatt acctgtttta atttgtgaat aacgcattga 240
 tgtacacctt ggattcccta aaactgtctt aactgcgtga gtccagtggg ctcagtgcac 300
 gagtctaaat ccttagactt ctatcagacc ttctccccta gcagtttcat ttgctcttta 360
 aatacaaaca ttggacactc atgcagaacc acagaaatca tgtagacaaa ctagaaatta 420
 tcgtgcactc acaaaattata gcttccatta ttaggttaata catgctaaac cctagcaaac 480
 attaagtacg tgaactccta ttactaaata gtaatcactc aagtaaaactg gacaaaatgt 540
 cttacggagg gtcacatctc atgtgaaatt aaacctatgt gcaggcagtg ctacacctga 600
 gattttacac aggtattttac atttcttttg cctttgtggc aatatgtgcc tgtaagata 660
 ggctattaga gaactgggca atgagnaacc ctacacnta aagtacaagg aagmnatgtg 720
 ccatatcagc agattttttg cttattttag tagtaatgaa tcctcaaact ct 772

<210> 3561
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (771)

<223> n = A,T,C or G

<400> 3561

```

ggtgnttnnc cttgaanttn tatacagcta ttgttctttt tgcaggatcc catcgattcg      60
aattcggcac gagctcagct catgggaatn tgctctcac tggctctcac tgggtttatc      120
ccagtgacca attctaggat gaccagaaga atgattccac tgggcttggg agtgtttgct      180
ggtaccteta atctctgngt anagttnatg gtacctgtgt gctctgtggc taggtcctca      240
gagtcagtc cctgggcagg actgtcagcc ttcagttttc cccacagact gtgttctctg      300
gcctgaatcg ctcagactac atgttccagc gcagcgcaaa tggtcccca ncctgaaaca      360
gategaaatc aacaccatct ctgccagctt tgggggcttg gcctcccgga ccccanctgt      420
gcaccggtgg gtcccttggg cagnccccgg catacctgtg gggtgacatg ctgatgggtg      480
tacagtcact ggctaggcca gggaactcca gctatgattg tgcttttctg ggccccgggt      540
cacatgttgc cctgnccac cccgacagca gttnnactt gtaatgagat ccttggtatg      600
tcaaggagaa aaaggacctc atagctcatc tagtgctgtc ctccattgaa caggcagaag      660
gaacaatatc ttgaaaaccc caaaatanag gaaatgcaag ggacttctgg cttggngggt      720
gngcctggta catcatttct accagcattg atgctccagg ttcaatgatt t          771

```

<210> 3562

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (786)

<223> n = A,T,C or G

<400> 3562

```

ggnnmntnnn ccctttgaaa accctttata caagctactt gttctttttg caggatccca      60
tcgattcgaa ttcggcacga gggacaaaca gtggcaaaac aacactggct aagaatttgc      120
agaaacacct cccaaattgc agtgtcatat ctcaggatga tttcttcaag ccagagtctg      180
agatagagac agataaaaat ggatttttgc agtacgatgt gcttgaagca cttaacatgg      240
aaaaaatgat gtcagccatt tcttcttgga tggaaagcgc aagacactct gtggtatcaa      300
cagaccagga aagtgtctgag gaaattccca ttttctatcat cgaaggctct cttcttttta      360
attataagcc ccttgacact atatggaata gaagctattt cctgactatt ccatatgaag      420
aatgtaaaag gaggaggagt acaagggctc atcagcctcc agactctccg ggatactttg      480
atggccatgt gtggcccatg tatctaaagt acagacaaga aatgcaggac atcacatggg      540
aagttgtgta cctggatgga acaaaatctg aagaggacct ctttttgcaa gtatatgaag      600
atctaataca agaactagca aagcaaaagt gtttgcaggt gacagcataa agacngaaca      660
caacaaatcc ttntgaagt gaattaggaa actccnagga gtaatttaag accttnacca      720
agatncatgt atactgnggt acaatgacag ccatggttca tatggttgat ttttattgcn      780
catggt          786

```

<210> 3563

<211> 838

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (838)

<223> n = A,T,C or G

<400> 3563

```

gnnagnnnngn nntttnnncc naccggancc acgtgaaccc tttgttanaa cccctngnnc      60

```

```

ttncgcaggg atcccatcga ttcgaattcg gcacgcaggg cagcncctnt atctngtnnt 120
ttaaactctg gccngccntt cctaattctc agaccaacaa gtagtgtttt cccattcgga 180
tcgcttanca naaaatgagg agagtcttgt ggccatcanc tttattgnaa gccgaaccac 240
tgtnagcaaa aataccaagg agaggntcga tcccactntt gnaanaaaaa gaaccatgag 300
ggccctgcnn aatncaactg gaccntgggg atactcactg aagaaggtn atctatttag 360
gaatgcaaat tgtcttncta ccccagacnc cccaacaana aanacttggg gtgganggtg 420
anatatnmca gccagnaan aacngtttgc atntntcctt nttggttnga caaagacntg 480
ntnccanatn gtcctcaaag gtacataaat acanacatat gatatttgtg tatatataaa 540
cacatatgtn tagtaanatc cnnccattac cttggggnga gacttgaaga aacnccagcc 600
ttctttctag agagcctctg cttctggtat tnacctgtca caaaagccca tacctggttg 660
tcaaaccctt tccttgtaac tganggagng catnttacga atatggnggt agagtaaagt 720
agccaagtgc ntatnggaaa atttaagcnn gaaaaannna attannaaaa attccnaaaa 780
cagcccaata atctnnaggn tgggggaaann aaaaacccgn nntnggtntt tttgtntt 838

```

<210> 3564

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(676)

<223> n = A,T,C or G

<400> 3564

```

aacctnttta cantcactgg tcttttgcag gatcccatcg attcngtgaa gtggagatat 60
gtgaatgacc ttgntctttt atttgaaata tattttccta tgtcttcatt ttccttcact 120
gtctgtgggtg atttatgtgc atcagataag acaaccacct ctcccagnct cgtcagactg 180
gtctcataca ggagaaagat ctcaacaatg tatccngcca gagattttaa gggcttctnc 240
aatctcaaaa acagactgct atatctcctt tttgtggccc actggagcmt ataatgtgnt 300
atgtcctgtc agaaccctca tgaatagnat ggtaggagca agactcttta gacatanctg 360
aaaagcttac ttgggtggatg tgtgtatgca gntccttcta tcttcanggn gaagtgtanc 420
aaagatgttt atctccact attctgtcta acccgaaaga natatttgtc tccattcagc 480
tgccctctg tcctggggag aaagtagngg aaggggcccc tctgtgtcac ctcttgntc 540
tggggctatc tctcantggn tctacactta tancataaaa tttcaagmt ctgtgcgggtg 500
gtgcctcaaa cagngtgaat atccatnaca ggtggggggg cncgaagggt ancataaactc 660
ctcatatgan anntat 676

```

<210> 3565

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

<400> 3565

```

tntnncnntt tgaaaccttt tatacaagct acttgttctt tttgcaggat cccatcgatt 60
cgaattcggc acggaggcca tacaagagac tccgatatg cagctagaga aacttaagga 120
aggtagctt atcaacgtgc attcagaaag tggttatgat tacaagaatg aagatatccc 180
agaggaaattg acattgtcag aaaacttcac attaatcgaa ttctcagaga tgtctcacia 240
cattgaaagc acaaaagatg aaatgttaga agctgggtgca cagtaaggat aaaggagtat 300
ggcagttcac caaggcatgg aaaagatgcc tgctccatat tgtaaagtta tacagtgaga 360
agaaggaggc gaacatagtt cagactactc ttggtagggt tttacccaaa aataaaatat 420

```

```

ttaaagctca atatTTTTga cattgcaatg tactTTaaaa gatgctggga ttaaaggcgt      480
gagccaccgt acctggccct tggTggaatc tttagggTtt tctattcata catataaaat      540
catatcattg gcaaacagag ataattttac tTcctccttt ccaatttgga tgccttagat      600
ttcttttTct tgcctaactg ntctgtctag aactcccagc ctatgctgaa tagagtggca      660
agaacaagca tttgccttgt Tnctaacctt agaaaaaaa tTcttcaccn tttaccattg      720
angatgatgt ttgctgttag tttttcataa atgatctata tcangctgaa taaattctat      780
t

```

<210> 3566

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (762)

<223> n = A,T,C or G

<400> 3566

```

tatagtaata caagctactt gttctTTTTg caggatccca tcgattcggt caactgtaag      60
aaattctTct ttcaaggcag ttgtcttctg atctatcatt ttaccatacc tggTtaaaac      120
agagtcccag gtacatatta aagcaagcct tcatacatgt tggccctcta tctaaaagcc      180
tcttcccact cttttccctt tacctggtaa tccctgttat tccctagatg cctgctttaa      240
agagatttcc tttggtaaat caccctgaac cctcagacta gtccagacct ctctttgata      300
tttTcctctt gacattcagc atttatccca attgaaagta ataattacat ttgtgtagtt      360
attagattat ctgtcttTct tagtaaaaag taagcttatg ggctgggtgc catgggtcat      420
acttataatc ccagcacact gggaggctga ggcaggagga tcacttgacc ccaggagttt      480
gaaaccatcc tgggcaacac agaaagatgc catcaatacc aaaaaaagga aattaggtga      540
gtgttaaggt gcaccagcca ctctggaggc tganTggga ggatcacttg agcccgggan      600
gtgggaggat cacttgagcc cgggaagtgg gaggatcact tgagcccagg aggtcgaact      660
gtagttagct gtgatcatgc cactgcctnc acctgggcaa cagantgaga ccgtgcctca      720
aaaaaaaaaa aaaaaaactc gagcctntaa actatagtga gc

```

<210> 3567

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (773)

<223> n = A,T,C or G

<400> 3567

```

tgaaaaacctt ntttacaanc tacttgtTct ttttgcaggg atcccatcga ttcgaattcg      60
gcacgagggg aaagaaaata actttgtgaa gccagtgtat tctgttttta aaactgtgcc      120
tgacgtgcaa tactccttct ggtgtatttt atccattatt tcacttgctg gtcgtcattt      180
cacagccagc tttgacatgc ccgtgaggac aggagccgcc gcttcagttg tcaactgcaga      240
gccatcgtat gtcagttgca atttccatct gaagctatgt ctttgacttc actttaagca      300
gaaaattttg taccctggTg gtcgagtctt cccttaaaaa ttgttaaatc atttggtttt      360
aatggTtcaa taatttgggg tggcttcatg gtgtttcttt tcttcccagt ttaaaaaaaa      420
aactttttta gcgtaaaatc ttttaagggt acacatttat aagctctggc aatttctaata      480
atgctaatta aacattttccc attttaaggT tatatacagt gaggtctctc aggacaatta      540
ttttctgggt tgattgggca tatgtttgcc cgtgtaaaaca cggatatgat aaagtgtcag      600
taacaatgga aaaggtccca gaggcattag gcactaaga ngatgcctc agaaacgtat      660
tctggcttga tttgtgttat taacttcaga agaacctttc aaatgtccca atatcgtTct      720

```

tagtgctttg ggaaaaaata ttttaacacac tggtaataaa tttgtatcag aag 773

<210> 3568
 <211> 795
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(795)
 <223> n = A,T,C or G

<400> 3568

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tcgaattcgg	cacgagatna	tagntttatc	catacaatat	tgcgattgtc	tctgggtcttg	120
ttgcttttct	gcactagatt	gtgagcacca	tgacattagg	gatcatactt	ttncattgta	180
ctgttancta	cacataacan	actgcatgct	atacgttggg	aaatgttaan	tnaatgaata	240
tcttcncagg	ctagcttttt	tgatcgcccc	aacgcctagg	ctagttttct	ctcatcctgc	300
ctcanantgc	tgtggtgatg	catcccgcta	gcacctgcag	agacancccn	gntggtaatg	360
ttggccacag	nnccagctnt	gctgccagtg	cccatcgatg	nggacatgga	ggcggtccta	420
gcttcaagct	gacggtgctc	ccctgctgat	acanaaaactc	ctgattccaa	agctcattat	480
tttgttagnt	ttatgccctg	tgtctntgta	tcaccacccc	catngntaaa	gcctggtnnt	540
tatgtctgga	gaangaaggc	aatnggaggg	aggaggccta	atgngctcaa	aatcaccctt	600
ttttntatg	aaagtgcctc	aaactcattt	accttggtct	tcanancctg	aggaatgact	660
nnttttcttg	cnanactctt	tggttntctc	tttaaaatgg	acccctgggg	gggaatttct	720
tttcttcaat	ctgacagaa	ctaaattttg	nccctgtnt	caagggnaan	caccaactgg	780
ggcttntact	ngggg					795

<210> 3569
 <211> 801
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(801)
 <223> n = A,T,C or G

<400> 3569

gntnnccntt	tgaaaccttt	tatacaatct	acttgttctt	tttgcaggat	cccatcgatt	60
cgctcagatg	ccagtcacaa	gtcccaggcc	tctcatactt	ctgaccgact	ggctacaaat	120
caggggttcc	cactacctcc	tcagattaga	taatttctgt	gataaaactc	aggaaacatt	180
attattaagg	gcacaactca	gcaacagccc	agtagaagag	gtgcacggag	caagcaccgg	240
ggggacgtgg	agtttctgtg	ccctcctagg	gtggcctcct	gccagctca	cccttgtgtg	300
tgcaagggtc	ccgaatcttg	tagtttagag	ttctgtagaa	ctcaatctct	aatcctttcc	360
ttttctcttc	atttctcttc	aggataaggg	accggggggg	cggtgctgaa	agttccacac	420
tctangcaat	gggtctcttg	ggtgaccagc	cccatccaga	ngccatctag	gagggctgct	480
tttaatcaca	gcgttagcat	taacagttgt	gattgaaang	ggcttgtttt	gaacaataaa	540
aaatatttct	atctcaggaa	atcccaaaga	tataggaact	gtgccaggaa	ctagagacaa	600
agatgaaata	tgtcttatat	catatttctt	ttgaattggg	ttaaagtcca	ataagacaac	660
aaaaataaat	attaaccntt	ttatataaca	cttgggggta	ggtgggtata	aaataatcta	720
aaagatgaat	ttaaaagtat	tgggggagga	tgtacatagg	ttatantgcc	aaatacctat	780
gacgttttat	ataagggact	t				801

<210> 3570
 <211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(735)

<223> n = A,T,C or G

<400> 3570

ttnaannent	ttgaaacnt	ttttacaacc	tacttggtct	ttttgcaggg	atcccatcga	60
ttcgaattcg	gcacgaggtc	tcttggtgcg	ctttnatctg	tcctctaaag	cacaccctgc	120
ccctccctcc	tctgtectca	tgccgccttg	tgcgtgggtcc	ccagctgttg	gtgtcagggc	180
aaggacaaag	acccgngaca	cctcangtct	gagtcctggt	gattgccagg	ccctggggaa	240
tgggggaaga	tgtggtcaga	ggctnttctt	gtgaccggng	caagatgtnt	cttntgctgg	300
accggcacct	tttgtttgn	ccattggtgg	cagatgtgag	cnacatcagg	cgctttctca	360
gtgnatttca	cgagccacan	gtggggctna	tccaagccgn	ccagcanctg	ctgtgtgatg	420
agcaagcccc	acagaggnan	aagctgctgg	ctgacctcct	gcacaacgtc	anccataaca	480
tngcggacga	gaccnngnct	gatgaccccc	gtggnttgaa	gcttggagtt	ncgatttcan	540
agcangtnng	gctatctgan	atacanctgt	nagagccgga	tcccgaagta	cctgagggan	600
gtgagctcct	accntccacg	gtgggtgcgg	agnctaagag	gaattctgcg	gtcttgcctca	660
ttgcagagct	ccgtcatcat	catgcnctat	tcaaaagacc	aagcggagcg	cttgcacgaa	720
gtgttctgca	ggtct					735

<210> 3571

<211> 766

<212> DNA

<213> Homo sapiens

<400> 3571

tatattttac	aagetacttg	ttctttttgc	agggatccca	tcgattcgaa	ttcggcacga	60
gacagatcct	ccctctgcag	atggtgagca	gtttcccact	eggctctttt	gattgttctg	120
caattttcaa	tgaccatggc	acaaatttat	ttaaagctga	aatacttcac	ttctattaaa	180
gcagttggct	gggtatattg	tttttgctga	aattattact	ctaggaggta	aatctaggct	240
ttattttacta	ctttgggaaa	gtacatttaa	aggccatgaa	tcagaaacta	ggttacaac	300
gttaagactc	acaggatctg	tatactgagg	cctatatattc	catgaagtgg	ttctctactc	360
tcagcaaate	tagtattgct	gaatgttgta	gcattataag	caggaaaate	atcttactgc	420
acataatcta	tccccacaga	aacctatgac	atthaggtat	tatgcaggca	tgtgtcttca	480
gttggctgct	tccttatttt	aacctatggt	ccctataaat	acttcagatc	caaaagggtt	540
tttccacact	tcgttataaa	aaagtactaa	ctagcacata	tctgcatttt	attccgggat	600
ccacatctcc	aaaaagttga	ttataaagtt	tacagcaagc	atagaattca	aaatttcctt	660
ttttttctaa	atgaccaaca	atacaaactt	tctcatgtac	acacacatga	gaacacacat	720
gcattgtcata	cacacatcat	gcattcatca	cacaaagcaa	gcacag		766

<210> 3572

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 3572

tgaacnttga	aaccttntta	caactacttg	ttctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	gttggccttt	tcnattcaga	tgtttncntg	caggangtgc	ctgngatnna	120

ntttggnttg	ntnacatgag	tttnatatgc	atgcgcattt	ttggatgcca	aacacatagg	180
cagatgaaac	taagaagcca	gatgctagag	atcgagngc	gatgaattga	aactagccta	240
actggctcca	ctgttgaggt	cattngctca	aactactcca	aacttttgtt	tgntctactg	300
aaaacattan	tnggaaaggt	acagngntaa	tttanggcng	ggaagcctnn	atcncgtgag	360
agtnaggtct	ntntatgcga	tgctggnang	gaaggatngg	agatgagagt	nattttacgg	420
gcgcctatct	cctcctcttn	ctatcntgcc	ctggactgcy	anctcatctt	tcatanntc	480
ttgcntgggtg	gtaggcccag	caancggatg	gatttttaagn	atctcagaat	tttcanttna	540
tcannnnntca	ctntcagagn	tccttttntt	tntcaagggt	acccagtcta	actggtttagc	600
ttcttttcaa	tagncctcct	tactnactta	cgcctagtca	nggacgaana	ntaatggtaa	660
ctganttact	ntcctccaac	aaancattag	ntgattngac	tttttacncc	tcattcngan	720
ggcnttagac	cccttttgtg	cacttttacnc	aaggatgttg	anacctanaa	ttt	773

<210> 3573

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (790)

<223> n = A,T,C or G

<400> 3573

ggtgnttunc	cctttgaaaa	ccctttaata	caagctactt	gttctttttg	caggatccca	60
tcgattcgaa	ttcggcacga	ggnaaagctt	catgttccgc	acctgggggg	cggatgttat	120
caacatgacc	acagttccag	aactgtcaga	agataaattt	ctgttggtct	cagccatcca	180
gtttgtggta	ctttgtaacg	gcagccctag	gaagctgatg	cagggtggat	tgattcccct	240
gctccagaga	aaggactgtt	ttcacagaag	aggcgatgct	tgaactgaat	ctgaagggat	300
caatgtggct	tcccttgga	aggcatggag	tgaagggtga	gtatatccca	agtggggagg	360
acagcacgtg	acatggcgca	gggcttatga	aacaacatgc	cttcttctct	tcangtactt	420
aagctacatt	agtaagacca	gaacttagtg	gtgagggttg	aagctggctg	gacaggcagt	480
taggagttag	tcangcgatg	gtgagcctcc	gtgccagaac	aacttgtagg	ctgtggaagc	540
aaccgcgaaa	gggatggcag	cggatgatata	tatagttgaa	agatcactgt	ctgctgtgta	600
gaggatggat	ttggaagagt	caccanagca	ggaataagaa	gttaaagggc	ctgcaccagg	660
gctttagtga	tagagtttta	gaaagtcttg	gggagaattg	antcaccttg	acctactgat	720
tcatttgga	ngtgggaatg	caatcatggg	ggtaagtcct	ctaagatagg	acctttnaag	780
tgtanggatn						790

<210> 3574

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (715)

<223> n = A,T,C or G

<400> 3574

ttgattcnnt	ccttggcctt	ttgcaggacc	ctcgattcgc	ccagggccgc	ctgcctgagc	60
ctctctgcag	ctgctcacct	cctgctgagg	cctctgcctt	cagagctagt	ggggcctgct	120
cacacattcc	agtagtttcc	tctttatttg	tcctgaacca	agttgtagaa	tttaaaggag	180
gtgaagtaag	gcgatttcta	tggaaaatat	atttttcttc	tttactcctc	atgctgagtg	240
cataagaatt	tattatttcc	cctgaatgtt	caaagtgggt	tgtgtgtgtg	tgtaaaagaa	300
ccaggagcaa	acaatcttaa	taggaatgtg	cgatcttggt	tttatcttta	gcacacttaa	360
ttagctacaa	cccgggactg	ttgccatttg	aacaagttgt	taagaaaatc	tgccatgttt	420

tgctcttttt	caaaaggaat	gactttaata	accatagcaa	cacttactca	gttttgtgat	480
ccactccaag	attatgggag	caagaacaga	tactcctgaa	agcaaccctc	accttctccc	540
cgccccctgc	cctcacaagt	cctgcctgtg	tgaactgaag	ggtttgggaag	ctctgggttc	600
taggantgcc	cagaagctag	aaagactang	gtgtctagtt	attgaggggc	aattgtcant	660
ggcagtgtgg	gggcacccca	ntggtattcg	aggcactgga	ttgctttttg	nctcc	715

<210> 3575

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 3575

tntatanata	cagctcttgt	tctttttgca	ggatcccac	gattcgaatt	cggcacgagg	60
tctcactctg	aggccacttt	ctagggccat	ttctggcacc	agatgtttta	tttcagctcc	120
cccaaaagca	aaaccctgag	gcagggatct	tggttgaagt	ggggagggga	tcccagaaag	180
tggggtgagg	gtacggaggc	atgaggtagg	aaaggggaaga	aaggagataa	aattgtgtgt	240
aatgagcagg	ttagcactgt	ggaccaccac	gctcaatccc	actgagacgt	gaggaagctg	300
ggaatgtatc	caccaggcct	taatttatca	agatgaggat	tactcctgag	atgttaactc	360
cttggtgttg	gacctaggct	gaacatgctt	ccgtagccaa	gaaagggctt	caggtgaaga	420
gacacagaga	accttctgca	ggccacattc	caggctggga	taaggggaat	tgggtgtgac	480
atcaatagca	tctcatccca	cagtgaacta	agaagataga	agagcaaata	caaggaaatat	540
ttgcatgctt	tcaataactta	ctcatcaaag	ggctcgactcg	acttanaaga	aattacaaat	600
cctgcttacc	atttttcagcc	caatatgctc	acgttggcca	agccacagct	gcctttaaat	660
agtaccaact	cttgaaaaaa	aaaaaaaaact	cgagcccttt	anaactatnn	tgagtcgnat	720
tacgtagatc	ccgaccntga	taagatccnt				750

<210> 3576

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 3576

tttgaancc	ctttgctact	tgttcttttt	gcaggatccc	atcgattcga	attcggcacg	60
aggcgaaaca	ccactgcaag	gtgaacagcc	tgggttacta	gcanaaaaaac	atcattcagt	120
ctgtaaatat	ttatgaanat	ctgtganagg	cactaccctt	accctggagc	taacctgtga	180
cccagagagc	aaggactctt	gcttttacag	aacacatatt	cttgtggaat	gagaggggct	240
atcatcaant	aagcaaatca	ttcnatgnan	tgtgttantn	tattttccca	ttgctttaaa	300
gaaatgcctt	ttntctgggt	acttataann	aanagaggat	nnattggctn	atggntccac	360
aggctgtacc	ataagcatgg	tatcatctgc	tcagcttctg	gggaagcttc	angaaactta	420
cagtcatggc	aganggcaaa	tgggaagcca	gcactttaca	tggncanana	aggaggaaga	480
ganagagaga	ggcacgaggt	ggtacacact	nttaancaac	ctgatctcgt	gagaaccac	540
tatggtgaga	acagcataga	nggaatgatg	tttaaccatt	catgantaac	caccctcatg	600
atccaatcnc	ctgcaagcat	gnaccaactt	caacactggg	gattacaatt	tgatgtgaaa	660
tttgancagg	gacacaaatn	caaatcatc	actaagtatc	agngcttttg	gaaaaaata	720
cgtannntcca	nnentgatag	atnccntnt				749

<210> 3577
 <211> 745
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (745)
 <223> n = A,T,C or G

<400> 3577
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 gcgatgagaa cagcgagggtg tggcggagcc tgtgcgccc cagcctggca gaagaggctc 120
 tgcgcacgga catcctgtgc aacctgccca gctacaaggc caagatacgt gcttttcaac 180
 atgccttcag cactaatgac tgctccagga atgtctacat taagaagaat ggctttactt 240
 tacatcgaaa cccattgct cagagcactg atgggtgcaag gaccaagatt ggtttcagt 300
 agggcccgcca tgcattggaa gtgtgggtggg agggccctct gggcactggn gcagngattg 360
 gaattgccac anaacgggcc ccnatgcagt gccaaaggta tgtggcattg ctgggcagt 420
 atgaccagag ctggggctgg aatctggtgg acaataatct actacataat ggagaagtca 480
 atggcatgtt ttccacagtg cancactnca ccaaaatc agataggaga aagaattcga 540
 gttatcttgg acatggnana tatgactttn gcttttnaac gtggatatca gttctggggg 600
 nngnttttng aggactccaa agggctggtt attcccagca ntnnatgctg tatatggggn 660
 cncagaantn actttggttn nactnggnaa acctttgtac ggnnacaann gnnnncttgn 720
 natnnctn nnnangnnnga naaat 745

<210> 3578
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (752)
 <223> n = A,T,C or G

<400> 3578
 aaatngctag gctactcgtt ctttttgcag gatcccatcg attcgaattc ggcaacgagcc 60
 cagctctttg ggaagctgag gtgggaggat cactcgatcc cagnggntgg agacttgcc 120
 gggcaacatn ntgcancctn ntctctaaan atatntnttg catngantng cccgncatgg 180
 tgggtgcacgt ctatagcccc agctacttca gaggtgatg tgggaagatc ccttaagcct 240
 angaggtcng aggttgacgt gagctatgat ngcaccatta cctccagcc tgggcgacag 300
 ancgagactc cgtctcaaaa aaaaaagaaa annagacttn nncgaangga gacacgtnaa 360
 agtcttgcta attgtcatat ccactcccaa ntntagctt tctggatgat gnccattcct 420
 nctgcaatnn ccttatnate catctnaacn ttttgcaacc tatgaactgn ttcgtanant 480
 taattactac caatacaccc tatgtacagg agcatangga aatcaanaan antgangaat 540
 tnnantctat taaaggccac nagaatggnt nacacctgta atcccaacac tntgggagggc 600
 cacngcgagt ggatcacctg agatcangag ttcgagactg gcctgggnaa catngtgaaa 660
 cccngtncc tactaatggt ncaaanatta ccaagccgtg gtggcacgtg cctgtgancc 720
 caagntnctc nggaagctgt agcangagaa at 752

<210> 3579
 <211> 725
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (725)
 <223> n = A,T,C or G

<400> 3579
 gtgttgaatc nttctcncat naaacncttt gganacccac cgattcgaat tcggcacgag 60
 ggtgattggg ctggttctgt accgggtgta ctccgtgggg ggcgtnatct ggcaaagcct 120
 tggaggtggg actgtggagg caccattgat tgaactgtgt ccctgcagt tcacatgttg 180
 aggcccaaac cccagtggtg gctgcatttg gagtagggca gtaattatgg ttaaatgagg 240
 tcgtatgggc ggggtgctgat ccactaggat taggatcctt ataagaacct gccaccttct 300
 ctctgccacg tgaggacatg gggagaaggc ggctgcctcc caccaggag gagcccttac 360
 tggacactgg gccctggctg caccttgacc ttggacttct agtcccaga actgtgagaa 420
 gtagatttct gctgattacg ctttcctgtc tgcggcctga gctaagacag cggcgcttg 480
 ggagaagcag aatttgagga gctcctcant ggcaggctgc cctggccctg ctgtcagcag 540
 aggggaatgg ccatccatgc tggcccctac cagccggggc ttcantgagc tccccgggta 600
 ggtgaanctc tctaactctg tgtccccgcg aaacaggccc acgagccaac gcctatgggg 660
 tggantgaaa attangaaga aacattaccc ganggggtcac tctntttnan aagacctcaa 720
 tggnnt 725

<210> 3580
 <211> 737
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (737)
 <223> n = A,T,C or G

<400> 3580
 nggtnagtta atttagcctn gtgaactcctt ggaacnccga ttcgaattcg gcacgaggag 60
 cagagatggc cacagaagcc agagaagctg gacgaggcct ttttggcaac aaaagagtga 120
 cttaacgcag ttctaattgtc ctacattttt atgctcttat cctgcagtta caggataagt 180
 caagatacac ggtctacaaa gaaattttgt tctaatttta taatagtaga gatggggtct 240
 cactatgttg cccaggctgg tcttgaactc cagggctcaa gcaatccgac tgcctaggac 300
 tccctaagtg ctggattaca ggcattgagcc actgaacctg gctgtacaaa gaaatttatg 360
 gcagagagat atgctcttta ttttggggag gtggcatggc attatcaaaa tagcatgggc 420
 tttggaatga aaaccttggt gaccgtgagc aaaggaagca tcatttgctt gtcttcaaaa 480
 gagggatagt gcaacttaac ctgcaggagt aaatgagata acaatataat agtattttatt 540
 aacagagtct tgctgtgtac ctatagtaca tcaagattcc atttctactt ttttcccttt 600
 ttcactgnct aaaagtttta ataacntttt aaataagatg atggtatatc aaaagccant 660
 tataggctac taaatatttt taattatttc ttaagaaaaa aatttaagct aaaagaacca 720
 aatgggatat tttttttg 737

<210> 3581
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (718)
 <223> n = A,T,C or G

<400> 3581
 gtnnttatcc tgctcttgca ntcgtaggac cctcgattcg aattcggcac gagccctcct 60

tgcccagagc	aggcattgct	catccactag	gcacttcttc	ctgccaaggc	acctcttcct	120
gccaaagtcag	tgtctcacga	tccctttcaa	cacagccacg	aggaagccat	gatacatcaa	180
ctggcactgg	caaataaaat	caaacctatt	tgcttatcca	gtcttatccc	actttgttgt	240
tttctctaag	tagttggaaa	acaacatgct	cagagaaaaa	taccagaact	tattctgagt	300
atgttcttca	gagcaaacct	ttagaatctt	aatgatgttt	agacactcag	gaatgagtga	360
accagttgca	ctgatagaat	caaaacaata	ctgcaaatat	tagtcatgtt	gcctattatg	420
aaatatactt	gtgtgtgtgt	atagatatga	aaaaaaaaact	ctaaagtctg	agttaaagag	480
ccctgccagg	tatagttaaa	tgctctctaa	cctatnaaga	attcaattcc	atttggcacc	540
tccaaatctg	gtatccagaa	ggaagaccag	agaagcagcc	cccgatgcaa	tttgaagat	600
gtgttctctg	ctgggggtgc	cacacgttaa	cagcagctta	aaaaaaaaaa	aannttnnnn	660
nnatnnntaa	nnannntnnn	tnnattnnaa	ctnnnnnnnn	ttcttncnnt	ttncnant	718

<210> 3582

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(721)

<223> n = A,T,C or G

<400> 3582

tnncttaatc	ntgctcttgc	atctctgngg	acccatcgat	tcgccaaggt	gaaaagactg	60
ctgtcagata	gcacttgccct	tccccatatt	attcagctac	tgctgacctt	tgacctatc	120
cttggtgaga	agggttgctat	tttggtatac	catatcatgc	aagataaccc	acagttaccc	180
cgcctttatc	tgagtggagt	atctctcttt	atcatgatgt	acacagggtc	caatgtgctt	240
cctggtgctc	gattttttgaa	atacacacat	accaaacagg	ctttcaagtc	agaagagaca	300
aaaggacaag	atattttttca	gagaagtata	cttgggcaca	ttctacctga	agcaatgggt	360
tgttacttag	aaaattatga	acctgaaaag	ttttctgaga	tttttctagg	agaatttgat	420
actccagaag	caatctggag	tactcctggg	ctggcaggcg	aaccgactgc	ggaggcgcta	480
cttggactgg	aggaaaagga	ggctgcagga	caagctggcg	gcgacgcaga	agaagctgga	540
cctggcctga	gactctgcgc	cttcgcgccca	ttctgtcccc	ctcatggcca	ccttgccatg	600
ttcgcgccgg	accccggtcc	cgncggcgcc	cagaaccagg	cttgccacac	agtccccgnc	660
tgccatgggc	ggntcttctt	ggatgtgtgc	ttgttgaana	tgcatataga	ctaccgggaa	720
a						721

<210> 3583

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 3583

attgggtncn	gctcnttggt	ctgctgcagg	atccccatcgn	ttcggataat	acttgtggat	60
cttgatgcta	aggagcctgc	tccttatgca	tcaagaaaca	cataaccagg	tacagaaact	120
ctgcagagta	ctcatgagtg	gcaggaggag	ctgtaccaca	agaagggaagg	gctcagggaa	180
ggggacatgt	cttactcact	tgttagcttc	cacggatggg	atgtggcagt	gctcatgaaa	240
ggatcttggg	caagtgtcgc	agcagaacag	ccgtcccat	ttgttgacac	cctcacatat	300
atcttgagttt	tccggctaga	aggggagatg	tagacatcac	cgggatcagt	gagacccttg	360
gaccctagaa	tatgtgacct	ttttatgtat	caagggcaca	cttgtaaatt	tctgtcctca	420
aaatattaaa	gattgctgag	tggagatctc	agaagacatt	ttggtctgcg	gcaaagttca	480

gtagatagtg	gctgtgtgtc	aggccagaaa	agttttcttt	atgaaaccag	agattctgac	540
atgatgacta	gtgacaaaaa	taggatgaat	tagagatttt	ttgagcaatt	tattaaacag	600
ctgggaaaac	ctggcccaga	aatagtgtct	tttctagctg	ctacatcgta	tnctttaaac	660
tgacttgnc	agggtgattt	actgagaatt	taatgatant	ggaataaaact	tctgagatat	720
cnc						723

<210> 3584

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 3584

tggtgcnnng	tccttgcctc	tgtnnngctgc	aggatcccat	cgattcgaat	tcggcacgag	60
gtccaggcca	ataatcagtt	ggttaagtga	aaaaagtgtt	taaagtgaag	aattataaag	120
aaagtcatta	tggatctcaa	acttttactt	taattgaaac	cataaaaaaca	tatattcact	180
caccaatggt	ttatgcaggg	ttaatgcctt	ctctttaaaa	ttggacttct	gattggattt	240
ctacctcatt	tttcttatgt	aaacacttat	agttcacttt	tgatatttat	gggttttgat	300
ttttgaaaca	aagggaataa	gttaaaacat	atactgttca	gtaatgccac	ctaattccatg	360
cggtgatagt	cccaggaccc	ctagtggatg	cttgaaacca	cagataccaa	acatgattac	420
tgctcagtcg	aacatttttt	tttttttgga	gacagagtct	tgctctgttg	cccaggctgg	480
agtgcnnntc	nnnnnnntnn	ntnnnttnna	antantnntt	cnnntantc	cnnttaann	540
tttcnnatnn	tttctnnnnn	ntcnnnnnnn	tcttattnat	ntnnntnnnn	cntntannnn	600
nnntttnnnn	ttcantnant	antctttttt	cacctnnnat	tnttcnnttn	tcnttttntt	660
nnnnntntnn	ntntntnttt	mntnnntnt	ntnnnantan	tntntnnnnn	ctcntnc	717

<210> 3585

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(746)

<223> n = A,T,C or G

<400> 3585

aaagggnnntn	attagttatc	cctttccaat	cccgtaggat	cccatcgatt	cgaattcggc	60
acgagatgcc	tgccagctga	gaggcagttg	gattccnttn	gcngagcagg	catttcagca	120
gattcagcag	tcagagtga	ccaagaagg	tgcttttagt	tggagtttca	aaaggccata	180
ctgtaatagt	gaaccagaaa	tcaagcagcc	ctcagaaaag	ctgaaacgca	tctacggatc	240
atctcaatct	gattgcataa	agggtggttc	agattttatta	gtgcttttta	ctgcctctc	300
caatttttca	tatataatgt	ccagcaccac	atcaaaaaata	accagcata	gatggagata	360
agacactatc	actaacacaa	tagaaataga	tccacaaaag	atttagatca	gggatcagca	420
cattttattat	ataaaaggcc	agataataaa	tatgttatgc	tttggttggtc	acatacagtc	480
tcttgnatat	tctttttcta	tttttgntct	ataaccctct	aaatatataa	aaactattct	540
tagcttggag	atcactcaaa	cactttctct	ggcataatca	ganatatctt	caaactatgc	600
ttcaaagtgt	caagggaat	aactgataag	attgaaaat	tccanggaga	ngcacanaa	660
gtcattanaa	aaaaaagccc	ctanaactat	agtggagtcn	tattaccgta	gatcccagca	720
tggntaagat	ccattggtgg	agttcg				746

<210> 3586

<211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (728)
 <223> n = A,T,C or G

<400> 3586
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 ttctgagcag ttagtacgtg gcagttgtat tattagagga agcctgtcctt gttttttttt 120
 aaataagctg atagagttag gattctttta atcaagactg tttgggattg aattgccact 180
 cctgcttacc agagtgtagg cagtttttct taaactttcc aagaagactg gtgtcctcat 240
 ctaaaatacg aaatgcttac agtaattgcc tcatgggggtt gtttgggggtg actaaatgta 300
 gtaggattta ctacatagta agttctcaat acattgtagc tattattatt agttcggtag 360
 aaagaatgtg cagattctta tgagtttaag taggctttcg gggagataga ttgactctgg 420
 tcttttaaaa gttaattttg aagttgcagt tttgtgatta agccttaaat ctgttattct 480
 ttcttctga aatccttaaa aacagaatgt ttagtagaag gtgataacca gatttcttta 540
 ttccaagaac tctttgctct catgtctaac ctttattttc ctggtaacta ctgatgccag 600
 aagcttctct tagtnaatat aatacatctc ctctctccta atttgctccc cgtctttcct 660
 tgtaagggaa aagtaaattt actttccaag cctnanggtt atttatggat tangtgaacc 720
 actgaaat 728

<210> 3587
 <211> 787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (787)
 <223> n = A,T,C or G

<400> 3587
 ttttgaaacc ctttatacaa gctacttggt ctttatgccg gatcccatcg attcgaattc 60
 ggcacgaggg cagagtaagt acggtaattt ctgcaccoga atgggtagtg ttgcctttga 120
 agtagtcacc ttgggaagat gtatgtttat tccagtgaag ctgaccttac acagaacatt 180
 cctagaaccc tctttagaaa ctgtcaactt gtaagggctc tcagtgttgg taaatctttg 240
 tcttttaagg gtagatctat tttttgagga atgatttttt tttttaacag ctaaagagca 300
 ttagaaaata agtctgctaa ataaaatggg tgaagcagct caggatgatc ttggtgggca 360
 ggaggagggg ttggataaaa cacaaggctc gactataaag ttgtgaggcc tcttgccttg 420
 catggcttca aaggtaatcc caaaggggaa ccctaagtggt tcttggcaca tgcaacatca 480
 agaaaataac tccaattatg ctaactcttg agtgcatatg ttctagtgtg tttggttaaa 540
 aaggtggctt tgttcatttt cagtcattat tctgtataagc agaaatggaa aactccatct 600
 ctgtgatttc tccaangga aagatctcat ctactgctta gagaattaaa atgaaaagca 660
 cttgggtgtca tgtctacatt agcccccccc ccccccaaaa tgtgccaatg ggtaattcct 720
 ggatacctga gtcttncccg tttnggaaaa ntgggtnaag gaccctntaa aactatagtg 780
 agtcgta 787

<210> 3588
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (744)
 <223> n = A,T,C or G

<400> 3588

tnnncttnat	ttnnanccnt	tggntctttc	tgcaggatcc	catcgattcg	ggagatttca	60
acttaacttg	accactgcac	tccagcctgg	gtgacagagc	agacaagact	gtgtctcaaa	120
taaataagta	agtaagtaag	taaatatcct	gtaggatatct	atgtgactca	aggctagtca	180
ctttcctatc	tatgctccag	ttttctcata	tttgagacaa	gagacttgat	tttagcataa	240
aggtgagagt	tgaagtaatg	agtgtgaaag	aggaaagggg	gaaaacatac	agagaagagc	300
agaaaacaca	agcagctggg	aggcagagaa	tgcagaaatt	caagttagag	ctgttggag	360
atgtggtagg	ctgactaatg	gtgccccaaa	aatgtctaag	tcctaataccc	cagaacatgt	420
aaatatgtta	ccttacaggg	taaaagagac	tttgggggata	tgattaattt	aaggatcttg	480
agataaggag	attagcctgg	attatccagg	tgagcccaat	ataatcacia	gcacccatat	540
aagacaggca	anagagcaga	atcagaatag	gagatgtgat	gaaggaagca	agagattgca	600
gggattccag	gaaggttctg	tgagccaang	aatgccaggt	ggacccctng	aagctgaaaa	660
angcaaggaa	aatggattct	tcttctcann	agcccttccn	cttaagggac	ccagcccttg	720
ccagcaaatt	tggccaactt	cact				744

<210> 3589
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (858)
 <223> n = A,T,C or G

<400> 3589

tttaaanctt	taaacaagct	acttgttttt	tntgccngta	tcccatcgat	togaattcgg	60
cacgaggtag	ttcctaggag	tggttgcatt	tggaatgga	attgttaaaa	cttgatgctt	120
aggagcgaat	gcagactatt	cattgggtgt	ttgggggtgg	ggaagggggg	gtgggcanag	180
gaggtatgca	cnggagaggg	gntctgngct	nctcnnatta	ttgcacaacc	nctaaccatt	240
gttctataac	tgcataaaca	natnataaen	gggecthncg	ngatntatct	taacgcttaa	300
nttttncnan	atatanatgt	aactaatcac	tcncttttng	taatnanctt	tnccntnntt	360
ttgtaagaac	gccnctctc	tgnaactgac	ctttnttact	tccccccct	tgccnctng	420
accttctctg	tnntttctc	gtngatngtg	gcanttnngg	antaacatna	atgntnaaag	480
gcntngnttc	tatatnaaaa	tttnncactc	tccacnatnn	ntttangatn	aaaaccnct	540
mntnttncan	aaaancgttt	tnctanttnn	aannaccctt	tttannattt	tttnnaacaan	600
aancntttat	ttttntttnc	catnctaacc	ttttacaaaa	ntnnnggtta	acccntttt	660
ttatataaaa	nctnnntnnn	ttatnaanaa	ttaannanta	tttngtnaaa	nnccctttna	720
aaaataantt	naaaangccc	tnnttnnatg	caannattnt	naatntgttt	ancccnccn	780
tttnncncat	nggnnttgte	ctngcnttna	ncaatntacc	ttcattttta	aaaaangncc	840
canattnttt	tnnnacct					858

<210> 3590
 <211> 767
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (767)
 <223> n = A,T,C or G

<400> 3590

tgtggtgnana	ngaactcttg	caatnccctt	tgcgntnncc	gcaggatccc	ancgatncca	60
attcggcacg	agggccacnc	cgectgtgan	gnatttnngt	nnctntttnn	tnnacctggc	120
atcctnmttc	cttccccncc	tngcnggcac	cgccnaggac	cgncggccgg	gggacgagcn	180
eggagcngcn	gccaggtaga	acnatanact	anatagcact	gaattaacct	gcactgaaag	240
ctgngnacct	gcatnatgtg	cactcatgan	gnangtgacc	ntgtcnnaag	tgcaagtgca	300
agtccagaac	cnatctgctg	ntntnacngg	gagccaaana	ctgaacanga	accagtctnn	360
acggtnacan	ncnangatga	ntatccctnn	tacnactanc	tcnctgccc	ttgaaaatgc	420
nggtngaccc	attcaaaact	tatgntngac	ccatctncan	atatgacatg	caccagtgca	480
agntgnacaa	aagcatancc	cctctgtaga	actaaagcac	ctgtgcctna	aacttgtaaa	540
aaaacccaat	ggttttaaate	cggaaggac	ccttaacnca	tcnggantgc	cngtttaacn	600
antaanmtac	catcatgaan	aaggaggtgn	catatnccac	cgnggggtann	ttgaccccaa	660
ttgccaaatt	ncccnnttta	ctttatcaaa	gtnggnanct	ttntggmngg	agggnaannt	720
atnttnantg	gcaaatgcna	naacnnccaa	aagntnchna	aaaacnn		767

<210> 3591

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (732)

<223> n = A,T,C or G

<400> 3591

gnttntttta	accntaagga	ancctttgat	gcaggatccc	atcgattcca	attcggcacg	60
agggcaata	gccctaggag	tcccattttt	ttaagctgag	ggaaataatt	ttcaagaagc	120
ttgtcttact	agtagcatca	ttctttttta	ctggctcaca	gcttggaagg	ggtgatggtt	180
tttctatga	aagctaacaa	catttgagca	gatccagtgt	gctggtgagt	cacagtgaag	240
gtgtggagtg	ctaaggaagc	ctcctggtgg	aaatgtaagt	tcagagaagg	tctgcagaaa	300
atacaggggtg	aaatgttatc	aaggagccag	ggtattattt	aagaagagga	gggaggggaa	360
aaatanaaaa	tcaaatcac	taatagaagt	aaaattccct	attcagaaaa	actagtgagg	420
gctgagctcc	agtaatcaga	gagaagtcta	atcangtcac	tactgncatg	ggaggacata	480
gtcactctct	ctttcangag	cctatgaagg	ttggagagagc	tcagctangg	aataaggggt	540
gccaganaca	gcancattaa	ctggcacaaa	tctcaagggg	cctgtggggc	ctgaaaaaag	600
gaggatnaca	ggacatgctg	acagtaaatg	cttcattctg	tgccatacaa	ttttccactt	660
ncctgmgac	tttctcctcaa	tggatttact	taaacttttc	ccaaccttna	acaggttaac	720
ttgntccan	ct					732

<210> 3592

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (823)

<223> n = A,T,C or G

<400> 3592

tncnntttta	tnccatcanc	tcttggtctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgaggggtc	atgcagtaag	atttggtgtt	tatttgtaaa	tagaatggta	ttctattttca	120
aactttttaag	acaaacctgt	tgcgcaagg	ctgatgcaca	ttggatgatg	actgttttct	180
ggttccagat	cttgtctttg	tgatatagga	gttatggaat	gagccctgga	caggatccta	240
agatccgggt	ttgttctctac	ttctactcat	taatagcagt	ttgacattta	atataggaat	300

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aatgttaact. tgtcacttaa aacaagattc tcttcatctt gttttcaaga tttcaagatt 360
cttttaaaaa ttagcatgaa gtatgggata atgattgggg aggaagtatt tttaaaaagc 420
cttcttgagt ttttatgcat attacatttt tattcaataa aaaattcccc attgttttat 480
tgaaatggat tagttgtcga tcctctgaat tagacatatt ctttaaaaat aagatccggt 540
gtcagccatc taaaatgttt ttataaatte atacttacat tcttttttgc cggttgcagt 600
cagccttttag tgccaagaga gaacattaca gcattggatga atgcaattgg tttgatcatc 660
actggcctcc aagtgaagta ataattgnga attggactta agngatgaaa aacaagccng 720
ctgttncctg tcaggncctc agaactatag tggaggccgn ttaccttnat nccgccttg 780
aatnaggaat nccttgngg agtttggaca aancncnaac tnn 823

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<210> 3593

<211> 1035

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1035)

<223> n = A,T,C or G

<400> 3593

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nncnnttnat tccatcagct cttgttcttt ttgcaggatc cctcgattcg aattcggcac 60
gagcaaagga ttgagagaga aaacttggtt ttattgaaaa ggcttgaggc cgtgaaacca 120
acagttggta tgaaacgttc agaacaactg atggactatc atcgcaatat gggctatctc 180
aactcatcac cattgtcaag acgggccaga tccactcttg gccaatatag cccattaaga 240
gcttccagga catccagtgc tacgagtggg ctcagttgta ggagtgageg atcaneggnt 300
ntcccttcnn nngcatcnta tntnaatacn tntccctntt ncnntngttc tgtntntttt 360
tatannnttc nnnccnntnt nnnccctctn tccctgtncn ntttgattnt tttantntt 420
ntntttnnnc tcnttntctnt tcnttttact atcmnatcnt ctttctntnt ttctttnttt 480
ntantctnt tnnntccctt ncttcactnt ntantncttc gectntttta cnnntntntt 540
tattntntnt tctngtaata tttcttttat atntntntnt ttcanntcnn ttaattcnnc 600
tctantnngt cctttcanta ttntnatngt nctannata ntttcnatan nttctcntnn 660
nnnctnnttn ctattntntn naattcnngt ntgtntcatn tcnctnctnc ttntntntnn 720
ttttntttta tntatnttt nntatctctn ntctnncttn ntanatntta tctntntntc 780
ntctnctnca taaactatac tnttnatctt nctctntnt cttatctaat ctntantnta 840
ttantttctc tantntntca taccteganc nannctcntn acgntntntn nnatntnnnn 900
nnncttanna tnttcatnta anatattatn atantttatt tctnttctan ntntctcnnn 960
atanntnct nnantctant tncntntnt ntatcntttt naangtattt tttttnanta 1020
tctantnnna tnccc 1035

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<210> 3594

<211> 992

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (992)

<223> n = A,T,C or G

<400> 3594

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cggnangnnc gtnaacggaa ncccgncnnt tgccgatccc tccattcgaa ttcggcacga 60
ggaactagtc atgccaggna ctaaattttt gggggcagtg agggatctgg tgcagaanca 120
acctgatcaa tgggacagga cagggagtct caaaatagcc ataactgcat ataaacatct 180
agtatatggg taccacagta ttcaattcaa gggggcaaaa tagagacttt ttaataaatg 240
gtgttggaaat aaattatagt tatttgntca aagagttata attttatgca ttccttacac 300

```

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ccatgcacta gatgatcctc caaatggatt aagactgaaa tgggaaaaga aaaaaanggg 360
gggaattccc tatatcatct gggncctaagg gaaaaaattt ttccaacct atggacccaa 420
gttccacat ggtaacctgg aaaaaattaa aaaaaccng gacctcntcc tcctcntaat 480
aataatatta ataantnnnn aaccttttcc aatggggcca aaaaaaata aaatcccaa 540
tttaaatgga aggggnaaac caattaaaaa aaagggaacc caaaaattaa aattaaaaan 600
ccanggggaa aaaaaaaaaat aatttgggga ngggaataat taattaatn aaccaaaaaa 660
cctnccccag gaaaattcca ttaaaaagga accattcctt naaaaaataa tgggaggaaa 720
aaaaaaaatg ggaaaaaaag gccaccaag aaaaaaattt ncgcaaaaaa aagggnatgga 780
cctgggacaa cctcaaaaaa ggggtattaa aaaaatcccc ttaaaaatat gtaaaagggg 840
ttnaacctca cacatactag ggaaaaatta aaataaaaat tattccggag aaaaaagcca 900
cccatcagaa tngacaaaaa agnccnaaag cctnggacaa nagacccttt tggccaaggc 960
tggccaggan gggaaaaaaa aaaaacnccc ct 992

```

<210> 3595

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (812)

<223> n = A,T,C or G

<400> 3595

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nncnnnttta attncaatca agctacttgt tctttttgca ggatcccatc gattcgaatt 60
cggcacgagc ttcttttcat ttttcttaa ctaatttctc acaattttca tttttgtcct 120
gagacttgaa gggaaagtaa gttttaatct agaccatatt atttagttac atctaattctc 180
tctagacaaa agacagtctg gagagtactc tttagttcta tttattaatt ttgtctctag 240
attgagccag atttcccat gcatacttg cattttattg gcctctgcag aattgctttt 300
tctggattgg acttttgtaa tccatatgaa aatctctatg aaatttaatt gctcgccagg 360
tgtgggtggc cacacttgta atcccagcac tttgggaggc tgagggtggc ggatcaccag 420
aggtcagggg ttcgggacca gcctggccaa catggtgaaa ccccgtttct ccccgaaaaa 480
tacaaaaatt agctggtcat gagggcacac actgtagtcc cagctactca ggaggctgag 540
ggggaagaat tgcttgaacc caggagatgg aggttgcaat gagtgaagat cgtgccactg 600
cctccagcct gagcaatcaga gtgagatctt gtctcangaa aaaaataaat ttaatttgctg 660
tggatctgta aanggtgttt atcgtaacag ttcataatat tctatttnaa natgcgtggg 720
agaaattttn tntggancca gttatgcctt tntcggaatg ntgggtgggt ttaccttaag 780
gccactnaat ttcagctgat ggtttttctg gt 812

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<210> 3596

<211> 830

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (830)

<223> n = A,T,C or G

<400> 3596

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nncnnnttta atancaaa nctacttgtt ctttttgcag gatcccatcg attcgaattc 60
ggcacgagct tcctccaggc attataatat taggttaatt tagaggagca tatttatatg 120
tggagttaca ttgtgttggc cattcaggag actgactgtg aaagaatcca aactttatat 180
ttctgccttg ccagtttttt tttccttttc ttactccat ttgagacact cttgacctaa 240
tccagtaaac tctaattaat agtcttggtt aattctgttt caagccatcc tgagtagcgt 300
cactgacacc cgatctgttt cagtaaggct aaattagcat cttttactat ttttctggca 360

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tttaaatagaa tgactttgct atgggttttc aagtgtttat agtaaataatg tccatttgat 420
ggaaatataa atatgcatta agtgtaaatg gctaggcaca ccctgctgct actttttatg 480
gtaatcaagt gtctttcact ttctgttggt ttttaatagg accagctgac aacgccacat 540
taaaaccaca gggactcaaa agataactcc cccacccct caccggcac tgcttttatc 600
ttgcaaaagt attcatgttt ttctcttagt atgccaatta caccgttct ctgacatttn 660
cacttatgta ctcatgggaa ggaatgaatg gggtactcaa actgggacca ttgaatttgg 720
ggacacctgg tggactccac tggccttaag anctacangg ttanttggaa acagtggggc 780
accgtgggtt gacttggcct tttntttgcc agnggggttt gggccttgan 830

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<210> 3597

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (820)

<223> n = A,T,C or G

<400> 3597

```

nncnntttta attccataca gctcttggtc tttttgcagg atcccatcga ttcgaattcg 60
gcacgagaga aactacttct atgatttcag ctggagtctg aagatacttg tttctgttca 120
agtcctcactt taaattatgt cttaggagac tgaaagtggg atcttctgag cattcctaaa 180
tatctgctta gaaatatcat gtgataaaga gggaccttct taatacactg atgttcttca 240
ctaaatggat ggccacaaga aaaataaagt aaatgtctta aataatttaa ccataaattt 300
tctgtcatgt gatactggaa tatgggatac ttttcatggt tatatatata tatatatatg 360
tatatatata tacatatata tatatatata aacatgaaat atatatatat ggctcctttg 420
tgcccatgtt cattttcaga ttatggtagc atgctgatac agcaccatga aagaactcaa 480
ggaaaatata tcaatgtaag aagttcactc ttagaccag tggtctgagg tcacatgggt 540
ttggactgtc tcaatcagaa agattaatga ctgttatcaa gaacatgaac attggcttcc 600
tccatagaga agaaaatcag tatctgagtt gcataccagg cagtattaaa aatctaacan 660
gtctgtttgg ccatttgata gatctcaaat ggngtctcct tctgggtatg gattttgccn 720
ttggttaccc tttctcaatg taatggaagt attttacaag ccaattggng gnggaaatgg 780
tgctcttgnc tttctntgnt tacaaactac tttcacattg 820

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<210> 3598

<211> 856

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (856)

<223> n = A,T,C or G

<400> 3598

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gnnnnnttta ntccaatac anctcttggt ctttttgcag gatcccatcg attcgaattc 60
ggcacgagga tagaataacc aatttaaaat gtcttataga taaaatctag aatgaagctt 120
tggtagaag tctgagctac gtacataaga ttatcagcaa catatatgtt aagggtggagc 180
catttaaaaga aagaacagaa gggacctatg atttactgat tggtgaaaat caaaataaag 240
gaggcagaga aataaaagat tgtgagtcag caggactttt gtcttatttt caagtggatt 300
tattgattac ttttcttctt acagccaagt gcaagatttg tgaatgggag tttgaaagtg 360
agccactatt tctccagcat atgaaggata ctcataagcc tggagagatg ccttatgttt 420
gccaggtatt gcctttttct ccaggagatt ttagcagttt tgctctcagg aagaatacaa 480
agaatctact aatgaatatt gttgaccacc tactgcatac actcagttta ggaactctga 540
gtaggtacag aagaaatagt aaacacagtt tatcttcang gtttncatgc cnggagaaaa 600

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acataaaaaag	aacatgttcc	ctacnaaaaa	aatttttttt	taattacctt	gggcatngng	660
ggtgcaccac	tgtatgccct	agcttacntn	gggangett	aaacaaggaa	ggctcgcntt	720
gagcctcaaa	aggataagtc	cctaacttcc	tcaaggaagg	cttccgnggg	aanctatgaa	780
tcatgcctnc	aancctgggg	caacaagtgg	agaattttgg	cttnttttaa	anaaaaaann	840
nnnnnnnaaaa	ctcggg					856

<210> 3599

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(800)

<223> n = A,T,C or G

<400> 3599

tttaacnctt	tttanancct	cttgatcttt	tgcaggatcc	catcgattcg	aattcggcac	60
gaggaagaaa	gcagatgcc	ttttatctat	tngcacatca	ggactgacag	acatgaaaaa	120
attggccaag	tgggcagcag	agtccaagct	cgacccaaat	gaccccaaca	atgccctttt	180
gatgcagctt	atctcggttg	ctaccagngg	tgaatcctat	gtccctgatt	tcttttagact	240
ggagcagctg	caacaggagt	ttacttttgt	ttcagatcaa	gaattaaata	gatccaaacg	300
atthagctt	cttcatctta	gaagccaaga	ggtgccagaa	ttccgaaatt	ataagcaagt	360
tccagtctat	gaccgagaaa	ttatggaaaa	ggtattccag	gactatgaga	aacggttacg	420
agacagaaat	gtaatagaaa	ccaaggaaca	catagacacc	catagggcca	tagtagccaa	480
gtacctncag	caggtagag	aatcagngat	aaatcgtttc	ttaattgcaa	aacaatattt	540
tntttttggc	tgntatggat	agnagaagaa	gaagttccca	atttcancat	tttgggncta	600
agccttttca	agctngccan	aacaaaancn	gaccactgng	gncaaggnga	aaaaggngng	660
nangaangtg	ancnncccca	aancctngnn	tnnnnggaga	cntaaaannt	ggctnnngaa	720
nattngnnnn	nancctacna	cnttccaann	gnnggaaaanc	nnnnnttnnn	nnaannncaa	780
nnnccnnnnn	ggnttttnng					800

<210> 3600

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(784)

<223> n = A,T,C or G

<400> 3600

tnaacccttt	aacaagctat	tgttcttttg	cacgatccct	cgattcnaat	tcggcacgag	60
gcgggcgcg	ccggaggcng	tttccgttac	tatggcaatg	acggcagggg	ctacaacaac	120
ctttcctatg	agcaaccata	cccgggaaag	agtgactgta	gccaaagctca	cattggagaa	180
tttttatagc	acctaatttt	acagcatgaa	gagagagaaa	ccaggcagaa	gaaattagaa	240
gtggccatgg	aagaagaagg	attagcagat	gaagagaaaa	agttacgtcg	atcacaacac	300
gctcgcaaa	aaacagagtt	cttacggctc	aaaaggacca	gacttggtt	ggatgacttt	360
gagtctctga	aagttatagg	aagaggagct	tttgagagag	tgcggttggt	ccagaagaaa	420
gatacaggcc	atatctatgc	aatgaagata	ttgagaaagt	ctgatatgct	tgaaaaagag	480
cagggtggccc	atatccgagc	agaaagagat	attttggttag	aagcagatgg	tgcttgggtg	540
gtgaagatgt	tttacagttt	tcaggataag	aggaatcttt	atctaatacat	ggaattttctc	600
cctggagggtg	acatgatgac	attgctaata	aagaaagaca	ccttgacaga	agangaaaca	660
cagttcttca	tttcagagac	tgttcttggc	cattagatgc	cgatccccc	gntgggtttc	720
attccntcng	gatattnagc	ccgacaaccc	tttnttggg	ttgccaagg	gtcatgtaaa	780

attn

784

<210> 3601

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 3601

gnaacctana	aacagctatt	gaacttgtn	cacgatccca	tcgattcgaa	ttcggcacga	60
gannaaaggt	gtgagccacn	gcgcccggnn	tanntaagaa	nnatnantnn	gnncttgcn	120
nanaacatct	gtntntncaa	cttantacna	acaaatatna	nnattaaacn	cttcactttg	180
ncttlnnaac	tgntcnaaac	actgncactt	tggttnaaa	actgctccca	caatntngct	240
agcatttttg	gngattcaac	attcatgtca	aaccaccaca	ctagggctcc	ccagttncct	300
nattnactca	ttgttgcacg	cacanatttt	ggtatgatct	atctcagccg	gtcctactcc	360
ttnggggatt	ccttacacct	ccaaaatttt	gaattataag	cntttttctc	cnaganctcc	420
ctcattnttt	tacttatctt	aatcattctc	ntccaacanc	acttnatnta	ctttgggaat	480
gccaangaat	ccgatntctt	nttcaactct	cattacctct	ntgcctgctc	tntcttttct	540
tggntgttat	ngacccagtt	tagaggatgc	agagtncttn	aatataatca	ctactttgaa	600
aacatcctca	gctgttttgc	tcctnttgac	tttgcttggc	aaaactcagn	cntggctaaa	660
acttntggcc	atttgcacct	gcctcaaaca	ctggngctgg	ctacaaacaa	ntgctaccag	720
catngactgg	ntccacttng	naattcggac	cncacctcat	gtaggnctc	ac	772

<210> 3602

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(771)

<223> n = A,T,C or G

<400> 3602

ctaanncn	gngnctcgna	ctngccgaac	naaanaggct	nnggcgcac	tgtagnaatt	60
ggctttccgt	ttgcatat	aaatgaact	tgtggctttt	gttaagtata	ataaaaagca	120
tggagtcaaa	tataagccaa	gagtattaca	gagactttta	ggctgactca	gtatctcaag	180
ttctgtgtag	attcatctaa	acactgctgt	tatccatgct	atactttacc	atgttatccc	240
aaaagggaat	catcagcaaa	ttttaccaga	aactgctgaa	ttcaagatat	attcaatata	300
tattatactt	ctgacatcct	aggaagccta	tccaaagaat	acattacttt	gatagaattt	360
gttcttttat	aaaattcatt	ttgactctca	ttgataactt	tattccattt	tgggggagga	420
ctgaggagtc	agtgggatgg	gaacagagct	aactacaaag	tctttgagtt	tagatgggca	480
gcagaagggg	aaaggaagta	ggcctgggga	tatataagga	cttttccaat	ggaaaacaat	540
tgtcagtggg	acctctatga	ctacttggtc	aatttcagaa	ttaaacttcc	tgtatatttt	600
aggtggaatc	aagctgagtt	ctagtcaaaa	tgctcgcat	atttcccatg	aaaaatcccc	660
caaacaccaa	gcagacagaa	cagtgggtga	taaaccatc	atattccatt	tctgaagaaa	720
atcatcaagc	cccaaattct	gttttagaaa	atttctcaag	aactaattct	n	771

<210> 3603

<211> 732

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (732)
 <223> n = A,T,C or G

<400> 3603
 tgnnnnttga tttnngcnnt tgtctttctg caggatccca tcgattcgaa ttcggcacga 60
 ggtttctttt tttcagagtt ttgctgctaa gaaatatctc ctcaacattt gacttcatng 120
 tggccaataa tggctctctga attgattcag acattcacac agcttgaaga agatctaaaa 180
 gatgaagatg agtcattgag aagcaccaac aaagtaaaca gaacgaaagt ttcagtcccg 240
 gatgcaaagt gacctcagtg gggggagata cccagagtg aactcatctt gtatttatca 300
 gcttgcaaatt tcttgagacac agcgctttct tttccacctg acaagatgcc attatttcaa 360
 atttataggt gggcatttat tccagaagtg gacacagagg gccctgcctt cctgtcggat 420
 gtagaggaga atcaccaaga atgcaaacc cactgtgca ggattctaga acttctaaaa 480
 ttaaagtttg gggaaatcag tagctctgat gagatcacca tgaagagtga attccccgtt 540
 ctgcgccaac attctgtttc cagcatcagg cagttgatgc cattcttcat gactctaaat 600
 ggtgcattta agaccagag acagctgcct gctgatagcc caggaactcc attcttggac 660
 tttcctgtcc agatgcccaa ggcatttaaa acaactggga agaatgcac gnaatatgaa 720
 tttctggaac cn 732

<210> 3604
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (858)
 <223> n = A,T,C or G

<400> 3604
 ttntttnaat tttcnaatnc ttgctctttn attccgnagg atcccatcga ttcgaattcg 60
 gcacgagggg agcacaggcc tggccttgca cccatgctgt acagtgcggg tactagactt 120
 gtggcggttg ttgtgctgtc ttctcattag catgcaatat tcacttgact gaattccttt 180
 ttagctaaaga gaaattattc agggcatgat cattttagggt tattaagggtg tctaaatpaa 240
 tatgtaaaact gctgaaaaga atttatatgtt tntatcagat aatctcaaca tttcaaaaga 300
 caacacattc agactacttc cctttncccc caacttttat ctaatgnctg naacccccat 360
 gactagtgn cnaaanangn gttttagttna aatttnagtc acccgtggat nacaaangca 420
 accctggatt cccaatcctg cttgtggggg ggtttnntng gccaaatnga nttaattttc 480
 ttgggcaana aannttttnc ttcttaccat taccnggaac cccantantt gcccaaactt 540
 ttggnaaatt ttttttaagg aaaaaaaacc tggaaatngg gggttaaatt cttggnaaaa 600
 nttntttttt tttaaaaaac ttncattttt atttttaaaa aaaccccccn tttaaacctn 660
 gggggntcct tttncctttt tggaccttaa nttaaatgga anngatttgg ggaacccaat 720
 anantnaata nnantatnnn aanaananaa ttnattnatn ttntancnaa ntaaaaaaa 780
 aacccctttt naacnttttg gnggggctgt ttcnnaaaa ccnancctta tnanaannnt 840
 tnttaatttn ggcaantc 858

<210> 3605
 <211> 1718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1718)
 <223> n = A,T,C or G

<400> 3605

nctctaaaaa	tatctttttt	nattataaaa	ctttcnaaaag	tcttatngga	cnttngggna	60
actccttaaa	aaacntccnt	naaaaaataa	ggaggntct	ttnttgggg	ncctcccaa	120
nantttcna	tactetaact	gctcancnca	cnctcnacca	tcactcaaca	tntatntctn	180
tacacattnt	atctcncana	cnnantacna	ctctnattac	tctnctatat	atntacnaaa	240
ctactntcct	natntactc	tataccnata	ctctctctat	cntctatctn	tntcatactt	300
anagmngncn	natatcacta	tactanatca	ctctnnnctc	atacaccant	ntnccntatn	360
tatntcntca	natctcattn	nttatntnac	natannctac	acnccntnac	atctaacata	420
nntnnataac	natctcannt	tatctnntnt	ncaannctcn	nntatcactn	cnattcattn	480
aannacttan	accnccnntc	annnnnnaca	ncnncacntt	anctnntctc	cctannctna	540
ccctcncata	catattnnnt	anncncnat	ccttacntna	caantntcat	cctancncnt	600
tenactntca	ttctccnttn	ccttnatnac	ccaactcnca	ntcacaanat	ncntccncac	660
cactcttntc	antacncaac	ctattcatnc	mncatnatan	tntntanntc	ncatacacna	720
ccccatncta	tnatcaancn	ntcancctct	cntttntaat	catnnanccn	nctcnnctcc	780
tatnatgnnc	tctgccccta	nnntatcctc	ttcacnacia	cncnactctn	nctnccanac	840
natcntnata	nacncantnt	cactntattc	taacatnant	nmanaccacn	tactccatan	900
tcnntctaac	atactnnatt	aanaatanat	tactnctcnt	atntcctnct	atctcnatca	960
ctcctccnnc	ctcattacac	atctcttata	atctnccnat	ncncatntct	ntcatctctt	1020
ntatntctc	tatnnnactc	tcttatcnca	tntatcnnaan	cattactntn	tntatanatn	1080
acactctcnc	atcmtccta	ncactatntc	ncttnttata	tatntanatt	atcatcgat	1140
acntcnctac	tctcnatcac	tcatnatact	atanactnta	tnccncatat	cacanacana	1200
cctntcatnt	ntcacactcn	ctntnttana	ctatntcnca	ctcctcacan	ctctcatatc	1260
tctatacatc	nctactctnt	ntntnctntn	tnatcntctt	ncattntntn	ctctatcntt	1320
tcnntcatat	ncgntntcan	atntnacnat	catctctncc	atctntctct	ngtctntnat	1380
tncttccacn	atctctcttc	anntttacac	acacntacat	tctatnttct	ctctatcttc	1440
tnctctnacc	tntctcnctn	anacnacata	tcttatatcn	mncatntcat	nacnnctact	1500
atcatacnca	tantacacca	tatntntnca	tctctctncc	antnccntat	ctctatacnc	1560
tctatatacnc	ntttcatata	tanttacnac	atnnctatan	attcntatat	ctctaccata	1620
tactntcttc	tactctatca	ngtaantatn	ctaannatt	attatatcnc	ncantctctc	1680
tcaacnccn	ctctatcnca	tctntctctc	tctatccn			1718

<210> 3606

<211> 1015

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1015)

<223> n = A,T,C or G

<400> 3606

gggggntttt	aaannttntg	ggcttggttg	gttgaggat	cccttcgatt	cgaattcggn	60
acgagactgg	actaatatca	ttttaataa	tattgctntt	tagcttcaa	agacagagcc	120
tccagcatat	tattattatt	atagtaatct	gattcttttag	caattcagag	aactcacctc	180
attagtgtc	ccttgctcta	tctgggcctg	tgggaaaata	cccttgcatc	tttctatggg	240
natggncac	ngganccca	tctgncttta	acatttttga	agnattggac	ttttnaagga	300
agcngnacnc	aattcccntg	gtncntncna	ttctagaanc	ccgnaancgt	ttcccnngcn	360
anttaaaggg	gaantnttcc	cccttgntt	gtttgcncn	ccccngttt	ttacagnngg	420
gccgggtttt	aaaaaagana	ngtgnntntt	nttnaaaaaa	ttannatann	nntcnntttt	480
nggggccatn	ncccttntng	nnnnnnnngg	tgtatgnacg	aaccnnannn	atnantntta	540
ntnnnnntt	ttnanttttc	ccacgnnctn	tnnttncaat	tatcnantct	cnggtactcn	600
gggcctcnat	cncaantnta	nataccctt	nnntgcgnc	ncnananatn	atgnnnncn	660
ctataantnn	ggantgttg	nnccnaana	natnntntan	tnatangtan	tgtnnntctn	720
nnnnctatac	ccnctgtngn	ttgtgcancn	ctcngtaen	ctnnnnacan	natnngtat	780
aatannntngt	ctcccnntag	ntgntntana	gtgacnntcc	ttntttaang	naccatctnt	840

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cggnnancgt nactaacctn antttanacan ctctcntat naaancgtna ccccectnt 900
gnaatggngg gaatngnatn nnaagtnnc ntnacaangt nngtcttan ngtntgctt 960
cnctcgatn tntannttgc gnnacanngg gtgnnaann taaaggncg cgccn 1015

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<210> 3607

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(740)

<223> n = A,T,C or G

<400> 3607

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tggnttttna aatttttnat gcgttggttt tgcggattna tgcattcnaa ttcggcacga 60
gcctagttag ccacagact ttcagcaact tttatcatcc agatagtcac caaatgaaat 120
aaaatagaaa aatcccttga gcaatgaaac aattgtgaat gaacacaaag tccatgaatt 180
taatccttat ccgtttgctg agccaagcat gtgcatctgc agtgggtggc ccaggctggc 240
agcacagata ccaccatttc ccttttcttt gctcagggca tggcctgttt atctcgttgc 300
accagatgan ggggttgaag gatgatgggt gtggttgttt cagatctact gacagcaatg 360
agaaatcaat gacagttgac aggaagagag gaccntcca caggcaaaag aggaatgccc 420
agcaatcttg gtccttgcn gcaatactg gccttgaggc caagtcagca ggggattcgt 480
aagtcactaa cttctaactg aggcagggaa agtaccatgt tctggaaaan gtnccaagaa 540
acnnggaatn gangcagtgt ancaagaagc agattttggg gcccaataga tttgaatcct 600
ggttctgctt cttnccttgt agagtatgat attgggtctt ttncnccaa agctntntt 660
aaagacttaa tatgtncncc aaatcttttn ggatgtctga cttttnaatg ctnnacaata 720
ggnatttgct ggnattatta 740

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<210> 3608

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(763)

<223> n = A,T,C or G

<400> 3608

```

tnttcnaant tccnngctct tgtcttttgc aggattcttc gattcgaatt cggcacgagc 60
ttggaggctg tttccagcta gagaaagacc tgcttatctc tcaactgaata aggttccaac 120
aggctgccaa atcctgtgta tgcctgtacc caaatggaag gagtgccttt cctcaattca 180
taaaaaagac aaagacagt gtagggatca gctattatgt cagtacatga aaggaacccc 240
ctatctcaat caaaatggta aaggagctt gtctcaaata acagcaaaga aactcagttt 300
accagactat aaaagtctct tggtaagaa gataaagagc tctncagaat aagaatacct 360
atacatgtat ggatgtgtgg aaagtcgaca aaatgtgtnc aagcaagttg aattctggaa 420
actttgagtt tagcaaatag gagggtaaga aggetgttac cgtatttgag gaaccagatc 480
ttgaagggtt catattccat aataagtata atatgaatat taattttgna atagaacagt 540
ttctacctgt ataaaaagga agccttaaag agatngaagt tagagattta ctcatanggg 600
ggatgattgg taactactta cttatttccg gaatntcaaa agaccctant ggaatngggg 660
gattntangg ggaaaaaaat ngacctcttt tctcaaagat gaaactgnaa atttttttac 720
cttaagaccn ttgnaanaat ggaaattacc tttttaacct tgg 763

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<210> 3609

<211> 730

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (730)
<223> n = A,T,C or G

<400> 3609
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 aaaacttttag aaagggtcta ttgaactttg gacaggcaag ctccatgagc tctccctcac 120
 tctttgaggc aggtttaaagg gtacggccat gaccaccacc ttaatccttc agggactatt 180
 tacaaaagat tgaaaaatgt gcccagggcc cgtacctgcc cctctgtgga actagcccaa 240
 ctcaagtggg ctggcaggca agcctggcct tcatggggac agaagagaga gtttgcgggg 300
 agcttggtcat ttttcaacac atgctttttg gcttctccta ctgnattgna atttccatga 360
 tatttggtgg gaaaaatgga cacccggnct cttttgcttt ttgnetgctg cttttcagct 420
 attggggatt ctgcgcttg ggataatgaa gcangctgtc atttncctcc cctaaataat 480
 gcattacaaa gtggaaatgc aaatttcctg tgcaagctct aaataccagg tggattttcc 540
 ttaatatatt gnttttgacc tttggggaaa ttggtattac nagctgactt tggaaattaa 600
 aatacatcaa ggnccctcatt ttaaataaaa caatcgatat cttaattttt aaatcagact 660
 ngattcnatt ccnggaaaag acatncatat ttgctttatg nggtnaaagt ttggaattca 720
 ggaggacaat 730

<210> 3610
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (706)
<223> n = A,T,C or G

<400> 3610
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 gatacgatgg ggtgcttggt ggatgggcca tggaggtccg tgagctggaa ctgggcacac 120
 gccatcccag agggctcagg atgccccagg aaggaaagaa gggcaacaga ctacacgatt 180
 ggacgtgtgt ggttgactgg gatgaagttg gagggagggg cagggccttg caggggattg 240
 gtactgatcc cagggaggaa agtgttgggg ctctatgaac tangatgaaa ggagcccctg 300
 accatgacaa ggggcacatc caggatttnc gccaccctga atttagtaga nctaatangc 360
 cctggttggt actnttgggc aaggaatgcc gtnaaccttt ganggtncgc acccacttgt 420
 gtgttgccct cttgtntctg cggggaaaca tncaccctt gtcttaacca ccaaactttg 480
 cttgtgtntt cancaanggt tgncccttcc caangactta ctgnatgtac ccngacccta 540
 agccttgcc ttcacatatt nggagctttt ggattcatnt gactttgacc ccntctgctn 600
 tcacttgngg cctgaactgt tgatcaatgt tggcanaatn aaccnccttn tnnanctaaa 660
 gctactttac catccatata atgggattna aaaaaaaaaa aaaaat 706

<210> 3611
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (885)
<223> n = A,T,C or G

```

<400> 3611
ttnttcnaaa tttcggantn ctenttctat tgcaggattt nategtcett aatttcggca      60
cgaggcaagc tggagagctg cagaggctgg tagcgtggct cagtccaagc acagaggcct      120
cntnaccatg gaagctgatg gtataactca gtctgaggat gaaggcttca gaacctgggg      180
gactacaggt gcaagttctg gagaccgaat gctggagaac cttgagttct gatgtccaag      240
agaaggagaa aaaggacttc ccagctccag aagagggaaa aagcaaattt ggctttcctc      300
tgtcttcttg ntctatctgg gtcctctgct gantggatgg tncecaaaac ttttgggtga      360
aggtagggct ttcttaccct gntcatggat tcaaagtcca atctcttttt ggaaacactt      420
tttccagnac atacccctt naaataaaaa tnttttance ttgtatcttc ttnttaaaaa      480
ntaataaaaa aatttttaat attnntatnt tncnntntn nnnnnccntg ttnaanntnt      540
attttntntn anngactnaa ntcnntacnn tnnctctttn ntannatnna antntcnant      600
tnancctnna nttnatcttt tntanntnan ntanctnnt tntannncnt tnnatantna      660
ctatntctt tgtttantnt cacanttatc tntctctnt nntatgttnt aattctactn      720
tnntatatta aaatgtcnat ntntatctnt nanaccatnt tnnncnana tntttatcta      780
nttctananc ctttatnntn ttntcttat tnttgtctt gtntntatcn atttnttat      840
ntncnntan tntctantt nttannatn antanantn tncn      885

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<210> 3612

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(793)

<223> n = A,T,C or G

```

<400> 3612
gnnnttttaa atccagctct tgtcttttgc ggaccctcgt tcgaattcgg cagagaatt      60
gataataatt agacaaactg aactaaattt ttttaacaga tacctgagtg ccaagcttaa      120
cagatacctg agtgccaagc ataataaaca ggaaatatac acttcaaaaa agaaaaagaa      180
aaatgaatgc atacttatca aatacttgct gtaagagcat taagtacttt acataagtca      240
aatcatTTaa tcctcatgac cctaagaagt tattttaaag atcttttgag aatgagaaaa      300
aaggatgagt aagggtaggt gatctatgta aaacaaataa attctagtna ctggcaaaagc      360
tgagatttga cctaaatcaa tctgccagaa gttctgagtt attttccatg tgcctaacat      420
agcagaaagg gagatggcat aagcacatnt caggcctaga ggtaacatat actctggcaa      480
aagcntaaaa ggtctatgaa attttacagc aaggaaaggc tatttctaac agggaggact      540
cagaggaaaag gaagccaccn tttaaagtgt gggtagctgg aatnaatttc ttaagacntt      600
tccccagatn ggaggaccog gggaaagaaa gaaanccttc ccaggaaggg ccaancnngg      660
agccatgggt gtcaatgggt gtggtttaan gggcngaaa aaaattnggt ggggaaaccc      720
cnacccccag gncnngggaa aaaaaannnn nnannnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnanaaaanc ctc      793

```

<210> 3613

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(870)

<223> n = A,T,C or G

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<400> 3613
ntttnnnnnn tttagngggc cnttgcgntn gntctttctg caggatccct cgattcgaat      60
tcggcacgag caacagtcce aaccagtcga attagaccca tttggtgctg ctccttttcc      120

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ttctaacacag	tagatacttc	tgatggattc	tgggcattaa	ctcctgtttc	aaaaaagtgt	180
gaacagtttt	atgaatttga	aagaaaattt	gggtagctct	ttatagcatt	cattcttaaa	240
gatcagtcca	gaatangtg	attctaaata	aacccaatng	agaatgaag	tatctctaca	300
gggtagtaac	ttggattcct	cttcagggag	aaaaagggag	ccttaaat	gcaagcctct	360
taacctaaag	gggtttcttg	gntncctngc	cttttccaac	cccccnnaaa	tggcnaagtt	420
gttggggggc	ctttncctcat	tgnnnaaaag	ccccctttgg	ggacntttt	ttaangggng	480
gngttanncc	cncntttnt	aaaaggggcc	ccntnggaaa	cccggtggan	tttttggat	540
attcncnaaa	agnggcaatt	tttttattgg	ngcnnntttc	cccttcaaaa	anttangggg	600
gnaattttct	accataccnc	ttaagtttnc	acccttnngg	aaaatttttt	ttttaaangg	660
gccccntttt	taaaatttcc	cagacaaggt	taaaaaccna	tnttanttat	tntttnaaag	720
ccntttnnaa	aaggtattat	ttttngnnaa	agggcnnmta	anttttnagt	ccttannccc	780
tttttttcnc	aaaanctanc	cnnnaattaa	cgcnttttt	ggggcctaaa	anaactnggn	840
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<210> 3614

<211> 1046

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1046)

<223> n = A,T,C or G

<400> 3614

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nnntnnnggn	ggancccnng	gnacgggttt	nccncttttn	nancngacn	ngngggcacg	180
ggggancngn	gcacnagnan	canaangcac	ggagccggcc	nnaangngan	agtaanncnc	240
ctaangaang	tagangannn	aaacatggnt	ncnccacaag	gcangagcag	caccttgggg	300
ctgctggnaa	gccccnnnatn	atgggggncn	ncttggacna	ngtncnggca	naaagggggc	360
gggggcatnc	naancnnc	ccctcncat	nngcaancnn	cnnancgggg	naaccacaacc	420
agngcgaaat	anccancggn	gcctnaatg	cgcnaaacca	nggggcanca	cggaggggcc	480
tnngcgcggn	nacaaggcnc	acccctngna	cacgngngng	gggnacnnc	cncnccanacg	540
agenggcanc	gancnccan	ncatnanggg	acccctacnn	nnnngggggg	nnannntang	600
cgnggggggc	acantaccan	nanacaccgc	gngcganaca	nncnttccaa	accacggacg	660
aaannaccnc	gggagnatan	taanaccnac	nnccaaanng	gnncangcac	aateggcaac	720
ccntgggnnn	ntncntnang	ggagcccgga	nccccccacc	cagnttcenn	gananncaat	780
gncnccnnt	cnannaccnc	nccnntaanc	cnggggcnc	gngggnaang	gnngangccc	840
ccnnnacggg	ggnctttana	gnccttaaan	antnaccn	ngnntncaca	aacnncaana	900
agnggcann	nccccctcggn	ganncaaaag	nncgcganeg	cnnnnancnc	cnnnangntc	960
ntcngnncnc	nccacnnggn	cntccgcnc	gggagnncan	nggnnnnccc	ctncnctncc	1020
naaaagcngn	gcntcnnnca	accnc				1046

<210> 3615

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (743)

<223> n = A,T,C or G

<400> 3615

agggctgctc	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	gagaaaagga	60
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gccagaactt gatgattttt aaaattctca gcctttctgg ttggcagagg gtgatgaaat 120
tgagacacgg caaagatcaa ttcaagagcc actccgggga gaatggcggg cttaaagataa 180
agccaagact gtgcctttta agcctgctgt taagacctga naaggtagtg ccttagcatc 240
ctcttcagtc acactcaagg cctctccgtc aaacaatagg gcttctacct ttttagcagg 300
agcccaagggt agagggtanaa gagttcctct tggagagatc tatgggtata gcttttgnct 360
attgcngtga gatatgcnnng aaatccactg tagctaggac tgacnngaaa agaacngtnc 420
naaatgaaaa gagctgtcgg cacccttagc attctgctgg caggaaccag ctgagaaagt 480
gctcangact acacatgccc ctttcatcaa aagggaaga tgactcanaa gttggaagca 540
ngagcctaga natgaaggcc aaaagtcatt ggagaattct ttttccaatg gttgagancc 600
taattcangg aactttcaag nggtttgncc ctggctnnga attcannaag tccagtattg 660
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aaaaaagggt ttttncccct ttt 743

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<210> 3616

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (906)

<223> n = A,T,C or G

<400> 3616

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cggcacgagc ccacacntgc catattgaac cgtttctgca ctaatcttct ncacgggcac 120
ngcgtggagg gaacgtctag gggaaanggg agagcttgac ctccatctag gttactttta 180
tcttggnnaaa aangaacact ttttgactt antgtaatng ctntngnccc tgtaaaaggc 240
aangctancc ncttaacttt cccanntnna ccttttnagc cagggaacca aatgnaaagg 300
gttaatggtn tnnatggaa caggactact ttgttcccc tttggngggac aaantttccc 360
tagaaacaan cttacccttn aaaacaccca aaaacnttcc caanccccc cntggnttgg 420
gcattagnga agcatggtn gtncccaaac tttaccctaaa aggggacntt ggggagccca 480
ccctttntga cttcttgttg gaaattactt tntannngag gaacctggac ttggccttgg 540
antanaaaaa ccccttgtaa atttnccctn naanttanc nntatccct taaaagacnt 600
ttttttttgg gaaagcttgc atttngctt gntacntatt tcccccttgc tgnngtggca 660
ttaaataata ttttatttaa accttggttt caaactggac caacatttgg gttttcttnc 720
caacttangg gaaatttttg gaanttcnaa aactgnttcg ccttttgaaa gancttngct 780
tttttttttg naaaaangtn ttnggaattt gggctgttaa ccnaantttc cnttnttgg 840
aatcccnnaa gganggggcn anatatcttg gggcaaaaaa aatnnctngg taccctttt 900
tggnnt 906

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<210> 3617

<211> 1235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1235)

<223> n = A,T,C or G

<400> 3617

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ctaactnctgt aacctanntt tcttgacgcc nntctgcnc taaactacnn tgnctnnggn 60
nctcncctt tacnccaccc ctcacccccc teetttnmnt ctccgnggcc tncccccccc 120
ctcccnctn nntgcccnnc nccctancn ccccnctnct tcnncctcgn cnntcnctct 180
ccttcccncc ctcnccccct teetcnctnt ctnnccccct cccccccctc tccgcacctc 240

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tctntcccc	tencetgtet	ccccnccct	neccctccn	ttectctncc	ccnntacttc	300
cncctccccc	ncactccctc	ctctcnncn	ctnccctnnc	tneccctcan	ccccctctc	360
ccctctcacc	cncctccccc	cnnnnccct	ccccctctc	tnnnctctct	cnneccnenn	420
ctctctcttc	tccttnncan	neccctcnc	neccctctac	ctnctccct	nnctctccct	480
ncctacctcn	accttccctc	nnccnccn	acnccanncc	tctctctnc	tcctnctct	540
cncctcttc	ctctnccct	tnccnccntt	ctccccntt	ctccnctcc	tcctccctcc	600
nnctctctct	ctcttnnat	ccctctcttc	ccnnccnctc	tccnccntct	ntctctctc	660
ttcatcatct	ctctcacatc	tctctctctc	tctctctctc	tcactctct	tctctnttct	720
taccctctct	cncctctnca	ctctctccct	ccctctance	ttctctctct	ctncccttn	780
tnctctnct	ctctctnccc	tcctctctcc	ccnntccctc	tctctccctc	ntctctctcc	840
naacctctcc	tcctctctca	ctctctccct	tctctctctc	ctctccncc	tnctctccn	900
ccccctnccc	ttcnnccat	ccccctctt	ctctcnccct	ttccnncctc	ttctctctcc	960
tcantctacc	ctnctnccct	ctctctctcc	ctctctctcn	atcccccccc	ttctctctcc	1020
cctctatccn	tcctccantc	tcnccctctn	ctcnccctac	tacacnctcc	ctctcccccc	1080
ntntccctncc	ncctccctac	ctctctnatt	ctccncttc	tccttnctnc	ctcttccct	1140
tctctnctc	ctctccctct	ctntccctnct	ccctccctcc	ntctnccct	ctctctctct	1200
ncttctnct	cncctccccc	cnntctctcc	ncct			1235

<210> 3618

<211> 999

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(999)

<223> n = A,T,C or G

<400> 3618

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gaattcggca	cgagcccaac	cccaggtgtg	cgcgtgctg	cccttgagag	ccctgcccc	120
cgctgtgacc	cggagatgc	ncgcccgtg	ggtagactgg	ctggctccang	tgacagtagg	180
agtacctggg	tctggctgg	gacacacttt	atctggcggt	tcacctgctt	gattccctacc	240
tgagcgtgg	cccngtgcg	tnacatngt	ctgcaactgc	tggcgctggg	cttgccctgtt	300
tgtggcgtgc	aaaarggaa	aagtgctgc	ttccngaga	ccnacttnc	tnnctctct	360
tganncgga	nnntcttttt	ttannggng	ggaactttat	tgnnctnccc	aaacnnnngc	420
antctntnn	ncnccnctn	gaattttctg	ggcttnanta	ccaaannccn	gnnccganng	480
nttgancct	tnccgacttt	tttggnncn	ntccctttnc	aangganatn	aaatcccccc	540
aagttgaaat	ntttancatt	gtgncanncn	taaatttnc	tgggaanctt	ggtanttttg	600
acttgganag	ncnccnaatn	gccnnccng	ggattttgga	aaaccccg	ttnnctnatn	660
ngcnnnggtt	ttgngnnatt	tttttnnacc	cttngggngn	ccaannnnnn	attttggntt	720
tctaaaatng	gggggcctng	gggcttttca	atnggggttt	tcatagcncc	cannnaaaan	780
tnnttttaac	aatatacccc	ctnanngngt	aaantttgng	gganaaacc	cctttttnat	840
aagncccctn	ttntnaaaaa	atntttntta	aaatggnnan	atcnntnta	tttttanacc	900
tnatanganaa	atttctcacn	tnaacatttt	tgtnatatan	nnggatnnnc	anaatatattg	960
gtnanccaaa	aatattttta	tgttggaacn	cnaaaaaann			999

<210> 3619

<211> 879

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(879)

<223> n = A,T,C or G

<400> 3619

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gggggttang	nccattttga	tgttacagga	tacttgtaag	tgactttttg	ccattctctt	120
ttgttaccca	tggcctttgt	cacccccttg	aatatctctt	ttactcagtt	ctcactttct	180
gttgttgaca	tacttgttga	catgtncac	cantccatga	aatgaaatac	catatcttcc	240
ttgtgtngat	atnacttttg	tgagtattta	agacatatat	nmtnaacnaa	tgtaaaactt	300
nnnaaatnga	ttctcttctc	atnaaaaaac	atttaaaggg	aacattnana	atatnctnnn	360
nacntttctc	tgaagacctt	acnattttcta	ttacttcaaa	actcccnnta	natcancctt	420
ctactacnag	agtgaangga	anaccctaac	anatctnccc	tngtganttt	tacctttgat	480
ctacaangcn	ctcctttcac	nnttcnnggt	cnttcttaag	ntancecgnat	cctntttcct	540
ctntttcccc	anccatcctt	cccnataat	tgcccnctcn	tcnanttaac	cctcnctctt	600
tgcnttgnaa	cccctcgccc	ccctcctcgt	cnnccttttn	cttnangatn	ctccccctng	660
ccatccnnac	ccttcgcnnn	aacccccanc	ccctctncta	ccttttctnc	caaaaaagtn	720
cctnccatcc	cctantcggn	nantctngnc	cctcnannna	tnctacctc	tcaancctnc	780
cantcaaacc	nccacattcn	cccanannac	aaanncnngn	naccnnnnta	ntccatntnt	840
acactctccn	nanctcactn	ctcncnntnt	acnctacct			879

<210> 3620

<211> 959

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (959)

<223> n = A,T,C or G

<400> 3620

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gggggtgagtc	tcattcttcac	cctttcacca	actgtcctgg	taacaatctc	ccttccattt	120
ccttggttctt	acagcatacc	ccatagaatc	aagcctcggt	attgccaggg	ctgaactgac	180
ttttttgttt	ttgtttttgn	tttaagcagt	accattgngc	accttgggaa	aattcctgtg	240
ttgatctaata	tttaccatat	tcttcaactc	actgaccact	ccaattagga	tactcctggc	300
actcctggnt	ttagagaggc	ttagatatgt	ggctatttat	ccttttggnn	ttnancactn	360
gggttttgnc	ttttanctaa	accnggantt	ttcttggggg	cccaaaactc	tggttaactng	420
tttnttttcc	cnaggaagtc	ttcaaattnn	gggaaaaccc	cccaangcct	tgtgnggggt	480
ttttggccan	ncnaagggcg	ttantattnt	ngnnctnata	atttttcggg	gttggaaaaa	540
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tttcttgga	taggccnctt	tgggaaaacc	cccaaatnc	ttggaacagc	ccgcaaataa	660
anatttgggg	nccttcnctg	ggnnctttct	ttaaaanaaa	nggcctttgg	gnancctttt	720
tnggggggaa	aaagntgggg	gccctattta	aatttcggaa	aacggaaata	cgtntccctc	780
ancaactttt	naaaanaann	tncataaagg	nnaanaaata	acctttgggg	ngcccccttt	840
aagaaacccc	ttttaatntn	gngaccnnnn	natttttaacc	cttngaatat	cccaggancn	900
tttggtttta	aggaanccnn	ttttggatcn	aaaatttttg	gggacaaaaa	anccccct	959

<210> 3621

<211> 839

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (839)

<223> n = A,T,C or G

<400> 3621

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tcctatttta	cgtggttggt	gagaggatcc	gatggaatga	ctagctgaaa	gtgtttgtaa	120
aagtcaggat	aagtaaaagca	atgctgcagg	aacaaacaat	ccccaattt	cagcagctta	180
ctacaaaaaa	atatgtattt	ctcactcatg	ttcatgtcca	atgtgtgtta	gcaaggagat	240
actgtctctc	acagtcacgc	aagaccctt	gctggggaag	ctgcacctnc	atatatgctt	300
ctaccatcac	cagggcagag	gagaggagc	atgggtggatc	atcactggct	cttaagactt	360
tacttgngng	acatatgtna	cctntactca	tggntnatnn	ggccaacca	ttacatgggc	420
atagnctnac	tttaaaaagg	gcaggagaag	tgcaaaactta	tcatgggccc	caaggagaag	480
agaatcanag	tattttctgaa	cagntttaat	ttttggccag	accttgaaag	tncttaagaa	540
attagcttcc	aaaaaatatt	atggaatatt	tttcaattct	tccaaagcca	gcctggtant	600
ttnggattca	ccaaccggga	aaggtccctg	gnaacttctt	aaaacttggc	naggggaggc	660
cttttacctt	ggaatggtnc	aannaaattt	anctcnattn	aaantttcaa	accaaggggt	720
caaaaattcc	aaccgaatgt	tnanccaant	ggggncccca	aacctttgaa	accccnngng	780
nncccncttt	nacttaagct	tacttgnnnn	accngaactg	ggnnnaaaan	ntnntcccn	839

<210> 3622

<211> 874

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (874)

<223> n = A,T,C or G

<400> 3622

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cccgatgccg	cgggggagag	gccgngacgg	gaccgagaag	tgggctggga	gcagaggtcg	180
cggatgtggc	nagcgaggcc	ggggcccatg	cngggaccgg	aaggggccc	ggagtggcng	240
gcacgccagg	gtcaggggtg	cggnccaggg	anggggccc	gggttnggga	aggggncng	300
gtgagggagg	ttaaacagcc	ttgcaggcct	nngggnaccg	atgttggacg	gcncngcng	360
natgtgcgag	ggcccgtccc	gcctctcggg	gcccaccccc	acatacngac	gctctgtcct	420
gacaactnca	tgctgccgac	tcngctcaag	ggcgccctcga	tggaaaaccgc	tgaactggac	480
ttgctgactt	ccnaggggcc	ctggacacna	ncgatgcenc	tngggccctg	gcattangtc	540
cngngggccn	gaaaaggatn	ctgggnagnc	cggtnacg	ccngccttct	gggngaentn	600
ncttnnttgc	naacttcgag	ggggggatct	taaccttaag	gttccctggg	gngccctttt	660
ttttaaaaga	nnggaaaagg	gacnccctta	angggncccc	nttgaaaaaa	agggatntaa	720
acccttggan	ggcccggggg	tncaannngg	aaagaaattt	tcaaaaaaan	cctcnttttt	780
taaaaaaa	aacccnnggg	aaacnctntt	tancccccng	ggnaanncct	anggggggnc	840
caantncccc	aaaagggncc	ccccctttgn	aaaa			874

<210> 3623

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 3623

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attcgaattc	ggcacgcagg	tnngatcctg	cactcnnttt	anngagccct	tgncnnaatg	120
ccntgnngga	gaggccngga	gcgggaccga	gaagtgggct	gggagcagag	gtcggggagg	180

tggcgagcga	ggccggggcc	caggcgggga	ccggcagggg	cccgggagtg	gcgggcacgc	240
cagggtcagg	gtgccgggcg	agggaggggg	cccgggggtg	gggaaggggg	cccggggagg	300
gaggtaaaca	gccctgcagg	cctcggggca	ccgttgcttg	gcggcgccgg	cggcatgtgc	360
gagggcccg	cccgcacatc	ggggcccatc	ccccagacc	gacgctctgt	cctgacaact	420
acaggcgcc	gactcggctc	aaggcgccct	cgagggaac	gcgctgaact	ggacttgctg	480
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tncctaggtc	ctggggcctc	ttntcaagan	gaaggaccct	taaggaccat	gagaaggaga	660
acctgagccg	gatcaaggga	gatttaanaa	acctttaaaa	gaacangan	cccaaccng	720
gganccaagg	ccaagccaag	gccccttna				749

<210> 3624

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (740)

<223> n = A,T,C or G

<400> 3624

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ctctccggat	tacttggttg	tgttttttgg	gatcactgct	ggggccaccg	gggccaagct	180
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gaaggtggga	cagttgcacg	aagtgttagt	tagaccggat	cagttggaac	tgacggagga	300
ctgcaaagaa	gaaactaaaa	tagacgtcga	aagcctgtcc	tcggcgctcg	agctggacca	360
agccctccga	cagtttaacc	agtcagttag	caatgaactg	aataattggag	tagggacttc	420
cttctgtctc	tgtactgatg	ggcagcttca	tgtcaggcaa	atcctgcata	ctgaggcttc	480
caagaagaat	gtactattac	ctgaatgctt	ctattccttt	tttgatcttc	gaaaagaatt	540
caagaaatgt	tgccttggtt	cacctgatat	tgacaaatgg	gacgttgcca	caatgacagg	600
agtattttaa	ttttgagaag	agtagttcaa	tctctcgata	tggagcctct	caagttgaag	660
atatggggaa	tataatttta	gcaatgattt	cagancttat	aatcacaggt	ttcagatcca	720
ggagagtgag	atttcaagtt					740

<210> 3625

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (745)

<223> n = A,T,C or G

<400> 3625

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ggcctctccg	gattacttgg	tgggtgcttt	tgggatcact	gctggggcca	ccggggccaa	180
gctaggctcg	gatgagaagg	agttgatcct	gctgttcttg	aaagtcgngg	atctggccaa	240
caagaaggtg	ggacagttgc	acgaagtgtc	agttagaccg	gatcagttgg	aactgacgga	300
ggactgcaaa	gaagaaacta	aaatagacgt	cgaaagcctg	tcctcggcgt	cgcagctgga	360
ccaagccctc	cgacagttta	accagtcagt	gagcaatgaa	ctgaatattg	gagtagggac	420
ttccttctgt	ctctgtactg	atgggcagct	tcatgtcagg	caaatcctgc	atcctgaggc	480
tnccangaa	aatgtactat	tacctgaatg	cttntattcc	ttttttgact	tcgaaaagaa	540

ttcaagaaat	gttgccctgg	ttcacctgat	attgacaaac	tgggacgttt	gccacaatga	600
cagagtattt	aaantttgag	aagagtagtt	caatctctcg	anatggagcc	tttcaagttg	660
gaagatatgg	ggnaatntaa	tttagcaatg	atttcaganc	cttataatcc	anggtttcag	720
atccngagag	agtnattac	aagtt				745

<210> 3626

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (735)

<223> n = A,T,C or G

<400> 3626

agtnnttnt	tntgactcnt	tgctggnnna	gcgggctttt	tgaggagccc	atcgattcga	60
attcggcacg	agccccaccc	attagttntg	tgggcctgcc	caacaccttc	ctgggttcac	120
atcgggccag	acaagaaaga	agccaaaaaa	ctttcgtct	accactgcgc	ctcctcatgc	180
ccaccccatc	ctattagcct	aaaatggaac	gggctaatta	gtttatttgt	atagggaggg	240
gtttcagctg	cctggacaaa	accaggagtc	cactgtccaa	gcttctctg	ttttcctgag	300
ctcagaagaa	aaaaagtgtg	ttagactaag	ataataccgc	cttttgaata	tctcggttc	360
atatttgcct	ccatgagtga	gagggccaag	tgttatctgc	aagttgaatc	ttctatatcc	420
aaaaatctcc	atcccttttt	tctgccagcg	cattcccaga	tcagccgttc	acttgcctta	480
agcctctata	atctatgatt	ttctttntct	tttaacctgc	tctttccatt	ggccagttta	540
ttcatttctc	agctacagct	tcagaggggc	tcaccttcng	gcttccgncc	caagggcatc	600
tggaggtctc	agttctgntt	tctctgctga	gtcaggagcc	agcccacttg	atttggctcc	660
cgtgtatctt	tgngtctctg	ctcantctnc	tgctagtgtg	ccttgggtgc	ctcatcaatc	720
tctttccatc	ctggg					735

<210> 3627

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (741)

<223> n = A,T,C or G

<400> 3627

agagnnnnnn	ttttngncta	atgctggntt	actcgggctt	tttgcaggta	gcccancgat	60
tcgaattcgg	cacgagcccc	acccattagt	taggtgggccc	tgcccaacac	cttcctgggt	120
tcacatccgg	ccagacaaga	aagaagccaa	aaaactttcc	gtctaccact	gcgcctcctc	180
atgccacccc	catcctatta	gcctaaaatg	gaacgggcta	attagtttat	ttgtataggg	240
aggggtttca	gctgcctgga	caaaaccagg	agtccactgt	ccaagcttct	tctgttttcc	300
tgagctcaga	agaaaaaaag	tgtgttagac	taagataata	ccgccttttg	aatatctcgg	360
cttcataatt	gcctccatga	gtgagagggc	caagtgttat	ctgcaagttg	aatcttctat	420
attcaaaaat	ctccatccct	tttttctgcc	agcgacttcc	cagatcaagc	cgttcaactg	480
ctctaagcct	ctataattta	ttgttttctt	ttctctttta	cctgctcttt	ccattggcca	540
gtttattcat	ttctcagcta	cagcttcaga	ggggctcacc	ttcgggcttc	ccgccccaaag	600
ggcatctgga	ggcttcagtt	ctgntntctc	tgctgagtca	ggagccaggc	ccagcttgat	660
ttggctcccg	tgtatctttg	ngncnctgct	cantctctgc	tantgtgcct	ngggtgcctc	720
atcaatctct	tccatcctgn	g				741

<210> 3628

<211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (743)
 <223> n = A,T,C or G

<400> 3628

agagnnnnnt	tntancta	at	gctggnatag	ctgggctttt	tgcaggatcc	catcgattcg	60
aattcggcac	gagcttgatt	aggtcttttag	gggccgaggg	actagccagc	tgcacagggtg		120
actggatggg	ggaggggcan	gtgagggtggg	tctacagagg	tggcttcgcc	tttgaccttc		180
atgctggtct	cggctgaggt	gacacgctag	tgacagccca	ataggggggt	acccttattg		240
agtaaaatac	ttcagattga	cagctcaatc	ttagtttgcc	tccagttaat	cttttatgct		300
tagggattaa	atgtgtggtt	ttttntttgt	nnnnnttttt	tggagacgga	ntctcgntct		360
gtcaccang	ctggagtgca	gtggcgcgat	ctcggnctac	tgcaacctct	gcctcctggg		420
ttcaaacgat	tctcctgcct	cancctccca	agtagctggg	attataggcg	cccaccacca		480
tgctggcta	gntttttatt	nttagtanan	atgggggttc	accntgttg	gccaggctgg		540
tctcgaactc	ctgacctgct	ngatctaccc	acctnggnct	cccaagtgtg	gggattacag		600
gcgtgagcta	acatgcctgg	ccaggggatt	aaaatattca	aacatgttgn	gtgtaccag		660
atatgctgnt	aatttangaa	aaacagtnca	atctctatga	aatgggtggg	gactatttnc		720
tgtantcaat	acattnggga	tat					743

<210> 3629
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (749)
 <223> n = A,T,C or G

<400> 3629

agagnnnnnn	ttgtanctaa	tgtctggtnta	ntctgtntctt	tttgcaggna	tcccatcgat	60
ttegaattcgg	cacgagcttg	attaggtctt	taggggccga	gggactagcc	agctgcacag	120
gtgactggat	gggggagggg	caggtgaggt	gggtctacag	aggtggcttc	gcctttgacc	180
ttcatgctgg	tctcggctga	ggtgacacgc	tagtgacagc	ccaatagggg	gttaccctta	240
ttgagtaaaa	tacttcagat	tgacagctca	atcttagttt	gcctccagtt	aatcttttat	300
gcttagggat	taaatgtgtg	gttttttttt	tgtttntttt	ttttggagac	ggagtctcgc	360
tctgtcaccc	aggctggagt	gcagtggcgc	cgatctcggc	tcaactgcaac	ctctgcctcc	420
tgggttcaaa	cgattctcct	gcctcagcct	cccaagtagc	tgggattata	ggcgccacc	480
accatgcctg	gctagttttt	tatttttagt	agaatggggt	ttcaccctgt	ttggccaggc	540
tgggtctcgaa	ctcctgacct	cgtggatcta	cccacttggc	ctcccaatgc	tgggattaca	600
ggcgtgagct	ancatgcctg	gccagggatt	aaaaatattc	aaacatgttg	ggtgtaccga	660
aaatatgcct	ggtaatttag	gaaaaacagt	ccaatttcta	tgaaatgggt	tgggactatt	720
ttctgtagtc	aataccaatg	gggatattct				749

<210> 3630
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 3630

agtgtnnnct	ttgaaacctt	atgctcggta	tagctgggct	ttttgcagga	tcccatcgat	60
tcgaattcgg	cacgagagca	tgccctaaag	agggaccagc	tgtagtaggt	cagttttattc	120
aagatgtcaa	gaactcaagg	tctacagatt	ccattcgtct	cttagctcta	ctttctcttg	180
gagaagtggg	gcatcatatt	gacttaagt	gacagttgga	actaaaatct	gtaatactag	240
aagctttctc	atctcctagt	gaagaagtca	aatcagctgc	atcctatgca	ttaggcagca	300
ttagtggtgg	caaccttcct	gaatatctgc	cgtttgcct	gcaagaaata	actagtcaac	360
ccaaaaggca	gtatctttta	cttcattcct	tgaaggaaat	tattagctct	gcatcagtgg	420
tgggccttaa	accatatgtt	gaaaacatct	gggccttatt	actaaagcac	tgtgagtgtg	480
cagaggaagg	aaccagaaat	gttggtgctg	aatgtctagg	aaaactcact	ctaattgatc	540
cagaaactct	ccttccacgg	cttaaggggt	acttgatata	aggtcatca	tatgcccgaa	600
gctcaatggt	tacggctgtg	aaatttacaa	tttctgacca	ttcacaacct	attgatccac	660
tgtaaagaa	ctgcataggt	gatttcctaa	aaactttgga	agaaccagat	tggaatgtga	720
gaagagtaac	ccttggtcac	atttaattcn				750

<210> 3631

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (745)

<223> n = A,T,C or G

<400> 3631

agngnnnnnn	ttttanctaa	tgtcggntca	ctngttcttt	ttgcaggatc	ccatcgattc	60
gaattcggca	cgagagcatg	ccctaaagag	ggaccagctg	tagtaggtca	gtttattcaa	120
gatgtcaaga	actcaaggct	tacagattcc	attcgtctct	tagctctact	ttctcttgga	180
gaagtggggc	atcatattga	cttaagtggg	cagttggaac	taaaatctgt	aatactagaa	240
gctttctcat	ctcctagtga	agaagtcaaa	tcagctgcat	cctatgcatt	aggcagcatt	300
agtgtgggca	acdtctctga	atatctgcog	tttgctctgc	aagaataazc	tagtcaacc	360
aaaaggcagt	atcttttact	tcattccttg	aaggaaatta	ttagctctgc	atcagtgggtg	420
ggccttaaac	catatgttga	aaacatctgg	gccttattac	taaagcactg	tgagtgtgca	480
gaggaaggaa	ccagaaatgt	tgttgctgaa	tgtctaggaa	aactcactct	aattgatcca	540
gaaactctcc	ttccacggct	taaggggtac	ttgatatcan	gctcatcata	tgcccgaagc	600
tcaatggtta	cggctgtgaa	atttacaatt	tctgaccatt	cacaacctat	tgatccactg	660
ttaaagaact	gcatangtga	tttcttaaaa	actttggaag	accagatttt	gnatgtgaga	720
agagtacctt	ggtcacattt	aattn				745

<210> 3632

<211> 1304

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1304)

<223> n = A,T,C or G

<400> 3632

gnnagcggtc	ncncttntng	gaaaccnttt	cnaantngct	ggggaacncc	gaaatcgcn	60
nnagggtcgc	natgcganc	gcaaagtcat	accaaactt	cacttaagta	gtccctattt	120

ttactccagt	gcttatnca	ttatctagca	gaatgtacct	tcattngatc	cactatttac	180
cantgattaa	agtggagcng	tcngtggagt	tatacgnnac	tnngnagact	tngtctanc	240
gaaatacann	anacaaccnc	anaggaccat	aantttnatg	cctatagaac	atnnnangaa	300
acaggagcag	gatctnngtc	tataatatan	caaacttgnt	tnnacatacc	tancnacaac	360
ctacaaatgc	tcttanaacc	ancctanctn	antgctnccn	agttttnctn	ggntnaactc	420
cnactnttng	gngcaantgc	aggntcacnt	anctnncnatt	cccnantgna	naaactnnnn	480
ccccnnanan	ctntntnta	gctcannnct	ctttaacnac	ntnnnnnatnc	ntntnannat	540
cagccaggnc	accnacanta	nttcanttcn	ttnnccaatc	annactgnaa	tnnnncnctt	600
nnctntttnc	ncttctnnct	aacatcacgg	ctatncgcnt	aaatnttcta	cactcacggg	660
tgananactc	ggncctnacan	tctncgggag	nctatacctn	tcgcnnnnca	cagtntgcgn	720
tatnnncnaa	taagaanaan	atctnncctc	nnananantc	nccnttctcn	aaccannaca	780
nnntgnntct	catnnacnnt	ncgtaangcn	agtaacgcgn	tantcancat	actnacatan	840
nagtntatcn	aactntnnc	ttctntnanc	tananaagtn	tcacncttnc	ntatanaact	900
cntattanac	tecanacnngc	tcctnngnga	tngtntcttc	tatnganann	nnnnccannnc	960
tanngnnnat	nactccgacn	gtacacctat	ataatagant	ctntacnctt	ctattcatca	1020
gatnnanttc	tecanagantt	nnnnntaaca	ttatnncnac	tanacnatgn	tcancctna	1080
nattcggunc	nctacacntn	ctacnccatc	tcnagcntnn	tacttctcac	aannnancct	1140
nctntacnnc	ntacanatan	tatcacanat	ccnecgnaant	ntntntnctn	cntagnngta	1200
canactnncan	tctatntcta	cnataaata	tnctctatcn	nctcanatcn	cncntntant	1260
cngntacgnn	tnctgcannc	nctctctatc	ntntcngnac	ncnt		1304

<210> 3633

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (732)

<223> n = A,T,C or G

<400> 3633

cnaaatncct	gctacttttg	atttccngna	ggatcccatc	gattcgccga	tttacagatt	60
gaagcggtaa	attagtgtt	ttatggtatt	tctgtaaaca	gggataaagt	ggaccctgac	120
aaattcaata	ttgtctgaag	agacaatcta	ttctggttct	gttggaacttc	aggggtatttt	180
tctttttttg	taaaatgaaa	actacaaaga	aacctgactt	ttcaattttt	tatacatgta	240
atthttctaga	aactctaggaa	gtcattttaca	cactcttata	taccatgagg	ggcaaaaagta	300
agctttcttc	ctcccaaagc	aaaactcttt	ttccttaagg	agctggaatg	ccaccttgaa	360
attctgagtt	ttgagcttct	agtcattttt	tggttggaat	aggtgggtga	aatttcctaa	420
gtctgctctg	tgatgtncct	ctgaagggat	gcancatgaa	ccattggtcc	ctttatgcga	480
tcattgtccc	ggctgcactn	acanggtttg	gggcanaaaa	aanccaaaca	tttcacccac	540
aggcaagctt	gcttntcggn	aacccccnaa	gctgggtcct	gcgacagaat	ttggtnaagg	600
acccttnacc	gnttggtcac	tggtgtcatt	tgnggccaan	accccccccc	gcctnattnn	660
gaggatttta	aaatttggan	tggtgttggt	ggccttgac	ttccgnantc	tatgcctaaa	720
aaaaattttc	ct					732

<210> 3634

<211> 1278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1278)

<223> n = A,T,C or G

<400> 3634

ctaccgcctt	atgntatcgn	nctttccnna	anananangc	tnggcgaatt	cggcacgagg	60
atctatctct	tctccctgcc	cattaaggaa	tcagagatca	ttgatttctt	cctggggggcc	120
tctctcaagg	atgagggttt	gaagattatg	ccagtgcaga	agtcnnance	nccccccnnc	180
cnctcnnca	cnccectcnc	ncnttctnn	ntccccctc	ccnnntcnn	ccnnnnnnct	240
nancancncn	ctnacncnct	cnncnctcnn	cncccccca	cnccccnacn	ccaaccnnnn	300
ccnnncnnnc	ncaccancec	tnntnncccc	ncnnatntnc	tcnancnt	acncncnctn	360
ttcctcctc	tcncntcnc	cnncctttn	cacnctctc	ntacctcnc	nctncntccc	420
nnncnnncnc	ccctctann	acncctann	acccccccnn	atacanctcn	ccncncnct	480
tcnccccncn	ntcanntcnn	tnntcncnc	tnnnncctcc	ncnnnttttn	nantccaanc	540
nacnnccnnt	nccntcttct	ntatcncnct	cttacctctc	tccctactcn	ctctcncctc	600
cncctctccc	tcnnctctnt	ctnnctctc	nnnanctctc	ctcncccnc	cncactttcc	660
anccttctnn	ncacacccat	tcnntacac	nnncncncc	ctnnctctnt	cacnnntct	720
cncctcctc	ncnnanncnn	netncannac	ncncnctcnn	ctctannann	cncnnnnnn	780
ncncncctn	cncncatctc	tnnctctnct	cntntncna	tctcnnnttt	ctntcnnnc	840
acncacttcc	actnntcnc	cctcctann	ncanctcnn	tctnccccnc	acnatnatnn	900
acncnnnnnc	tncatcnnnn	tnatccccctc	tctcncctc	nttcannnn	cacnacttcc	960
ctcccnntn	ctatcncant	cnttcacnnc	nctcttccnc	tnatatntn	ntacnctcnc	1020
ctctcacctt	cacatcatna	tacnacnaca	cntctatnna	nnctcncnct	ctancnctnn	1080
ntacnnccan	nnncnctcnc	accnncntcc	tttcncctn	tctctnctnn	catctnnnt	1140
nantctntca	ntctctntc	ntnctcttn	actctnncn	nctnncacna	ctntctatnc	1200
nnccacnaat	cancatcnc	cctctctnnc	cntctntctn	nnctctntac	tnancacatn	1260
tnctcctntc	tctccct					1278

<210> 3635

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(762)

<223> n = A,T,C or G

<400> 3635

gmnntnnan	ncnnnttnc	aatngctag	gctactngtt	ctttttgcag	gatcccatcg	60
attcgaattc	ggcacgaggc	tgtttctca	agaaaatgaa	gaggaagga	tggctcangg	120
aaagttaatc	agagggaaaa	tgctactctg	tanagagtaa	aanatttang	atgatgatac	180
gatctgggaa	aaaanggcac	agtgaanacc	acttaaanac	aaactgaanc	ctatgaaggn	240
gcatgctatt	tccccagagc	tgaaaagata	agtgaaatng	tgtatgaact	cttaagtggg	300
ggtgaagcag	aatttattag	ccaccaacca	cataagtgat	tatgaagtaa	ctgagaaaca	360
ggtaacattt	tttccacat	ggacaaaact	ttctctttct	agaatattaa	gtctctatga	420
tgagaaatga	agtagcatct	caagcagttt	ataaatctac	canaatatta	gaatcacctg	480
ggacctttga	acgtactcat	gccaggtct	actntattca	tttatntttt	tgtnnagatg	540
gggacttcaa	ctcctggtct	caaagatcc	tnccacctcg	gcctcctaaa	gtgtgaggat	600
tacaggcgtg	agccctgtgg	ccagccctac	taggtctgct	ttggaccaat	taaataaatc	660
tctgggggtg	gaacctgggc	tttaagtatt	tttaaaaatt	ttcctaggtg	ggtctaatta	720
atactcggat	tgagaaccct	gctacacatg	gaatnttatt	cc		762

<210> 3636

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (770)

<223> n = A,T,C or G

<400> 3636

tnacnaatta	ntntgctctc	gtncctttccg	naanaannng	gcgnntcggt	gagacggagt	60
ttcaccatgt	tggccaggat	ggtctttcaac	ttctaacttc	gtgatccacg	ctgctgggat	120
tacaggtgtg	agccaccgcg	tgtggcctct	gggcaccttt	tgaagctgaa	gcagagagag	180
aaggcggcag	gcatcagcgt	tttcttctat	gaacttataa	gatcaaagac	tttaagactt	240
tcactatttc	ttctaccgct	atctactacg	aacttcaaag	aggaaccagg	agtacggaag	300
gagcatgaaa	gtggacaagg	aacgtgacca	ttgaagcacc	acagggaggg	gttcaggcct	360
ccggatgact	gcaggcaggc	ctgggtaaca	tccagcctcc	cacaagaagc	tggtggagca	420
gagcgttccc	tgactcctcc	aaggaaagga	gactcccttt	cccggctctg	tcagtaacgg	480
gtgccttccc	agacactggc	gttaccgctt	gaccaagggg	ccctcaagcg	gcccttatgc	540
gggcatgaca	gaaggctccc	ctcttgccct	ctattcactt	ctcacaatgt	cccttcagca	600
cctgacccta	tacctgccgg	ttattcctag	gttatattat	taatgcaaca	gagtaatatt	660
aaaagcta	gattaataat	gtttataata	atgatggata	attggttcat	gatcatcgct	720
gtatctaatt	tnattatga	ctatncttat	tctattntct	ttatatactn		770

<210> 3637

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (770)

<223> n = A,T,C or G

<400> 3637

tnacnaatta	ntntgctctc	gtncctttccg	naanaannng	gcgnntcggt	gagacggagt	60
ttcaccatgt	tggccaggat	ggtctttcaac	ttctaacttc	gtgatccacg	ctgctgggat	120
tacaggtgtg	agccaccgcg	tgtggcctct	gggcaccttt	tgaagctgaa	gcagagagag	180
aaggcggcag	gcatcagcgt	tttcttctat	gaacttataa	gatcaaagac	tttaagactt	240
tcactatttc	ttctaccgct	atctactacg	aacttcaaag	aggaaccagg	agtacggaag	300
gagcatgaaa	gtggacaagg	aacgtgacca	ttgaagcacc	acagggaggg	gttcaggcct	360
ccggatgact	gcaggcaggc	ctgggtaaca	tccagcctcc	cacaagaagc	tggtggagca	420
gagcgttccc	tgactcctcc	aaggaaagga	gactcccttt	cccggctctg	tcagtaacgg	480
gtgccttccc	agacactggc	gttaccgctt	gaccaagggg	ccctcaagcg	gcccttatgc	540
gggcatgaca	gaaggctccc	ctcttgccct	ctattcactt	ctcacaatgt	cccttcagca	600
cctgacccta	tacctgccgg	ttattcctag	gttatattat	taatgcaaca	gagtaatatt	660
aaaagcta	gattaataat	gtttataata	atgatggata	attggttcat	gatcatcgct	720
gtatctaatt	tnattatga	ctatncttat	tctattntct	ttatatactn		770

<210> 3638

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (928)

<223> n = A,T,C or G

<400> 3638

ctaannatta	attanntagc	ctaaatngcn	naacnntgnt	tngcttngg	gccaancat	60
ggncctnnt	aagtaagatn	tntnnnnggg	agctgganaa	tcagnactgt	cccagccgat	120

gggtngttcc	nactggggagc	anangaagcc	ttgaggacct	actcacanac	angaattgaa	180
gattatcttn	aaaacaatct	tccactantt	ctgacnatac	ttggagcctg	ntccacgtgc	240
atnccacctt	gggaagcctc	tncaaagagc	tttcngagct	nacactgaca	gntncanttt	300
ccncanaaac	ccacnatagc	ctngctgngt	ctgtctnccc	ggcangagtc	catnctcact	360
gccgggacac	tcatnacant	ctccacgntc	tncctcttcc	cancctgnat	ggagcctccn	420
nggctnnnga	acgntnccca	agtcaatnct	cacnnatncc	ngnagctgcc	tntnagcact	480
nnctctggcc	canctccctc	cttgacanaa	tcatnaccce	ncatgacncn	cactnngcca	540
tnccnntcna	canttttttn	tentcattnc	atnttntctn	cccatngmna	cntcnnaacc	600
nnctagtana	ccccancant	ctcggnatct	ncncaaccng	nncancnana	cntttgntct	660
ttntnctnnt	tgatcntcca	cctnntcttn	tctnnctnnt	tncaataatc	ntaatctcta	720
nacatnctac	tcttaaactc	ccnttntctt	nnctcccaac	catctgttna	tacntatccc	780
tnctnccca	tgntnnnnat	ctcanntccc	cnngnctnnt	annatnttac	tcagccctnt	840
cctttatnna	nnctnntnca	ccnngnagct	nnnnccatan	cnanatttn	nncancacan	900
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<210> 3639

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

<400> 3639

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accaaacaac	gttccttctg	tgcccagtc	tagtattcaa	aggaacccta	ctgccagtgc	180
tgcaccattg	ggaacaacac	ttgctgtgca	ggctgttcca	acagcacact	ctattgtaca	240
agccacaagg	acttctttac	ccacagtggg	cccatcagga	ctctatagtc	catcaactaa	300
tcgaggtcct	atacagatga	aaattccaat	ttctgcattt	agtacttctg	ctgctgcaga	360
acagaacagc	aataccaccc	caagaattga	aaaccagaca	aacaaaacaa	tagatgcttc	420
tgtcagtaag	aaagcagctg	atagcacatc	acagtgtgga	aaagccactg	gcagtgatcc	480
agtggtgtc	atgatcttca	caatggatga	tgagagagct	ggagcttccac	agagcttccac	540
aaaactaaat	cacactcctg	tatcaaccat	gagttcttct	cagcctgtgt	cacgaccatt	600
gcaaccata	caaccagcac	cgnctcttca	accatctggg	gtgccaacaa	gtggaccatc	660
ntcagaccac	catacactta	ctacctacag	cttcaactac	ccngaatgt	aacacatcgt	720
ccagtaactc	angtgaccca	caagaatncc	ctgtaccaag	agctccttnn	aaaccaccan	780
n						781

<210> 3640

<211> 924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(924)

<223> n = A,T,C or G

<400> 3640

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tagagaatac	ctatcctttt	caagaataca	taaaataatg	accatatata	taccacagag	180
taagctgcaa	ccaattctag	ataacttaaa	tacagaccat	gtttggaaat	ttaagaaaaa	240

aaaacacatt	tataacttgt	ggatcaaaaa	agtcatagaa	cttagacaat	acttggaact	300
gaatgtaaat	acaaatgcta	ttaaaatttg	tagtatgcag	ttaaacagga	cttgataacg	360
catttatata	tctaaatgca	tgtattagta	aagaaaaaca	aatagaaaat	taagtttcca	420
actgaaaaag	ttagagaaca	acagatccat	cagaggaagt	agacagaagt	tataaagagt	480
tataaaggta	accaggcatg	gtggtgcaca	ccctatagcc	ctagctactc	ngnangnnnn	540
gnnggtnncn	aggnttgctt	gnncncnnga	atccnacngt	ccnnncngnc	cnattgatcg	600
gcnnctgcnc	aatngnnctn	cttctancct	cacccctngg	tcnaccatan	ggnganncan	660
nncatactcn	tcngcacanc	ctatttcctc	nananggtng	gntcctccnn	nnnatcttnc	720
ncnnctctc	anctancttn	ncatnttnnc	tanntcnant	cctccatatt	ncnnctcnc	780
ccnactactc	gntnacgnet	cnnctttctn	caanannngn	gancctntna	nnngncaaca	840
tnctcngtn	ccncnncntn	nnctnnntnn	ncnnccttct	nnctctctnt	ttcnngcan	900
annccanntn	ngnctcctcn	ntct				924

<210> 3641

<211> 868

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (868)

<223> n = A,T,C or G

<400> 3641

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aaggaaacag	ccttagagag	gttaggttgc	ttgtgcaagc	ccagggtagg	tggcaccacg	180
tctgccagtc	tgcaacgcac	tggatatctn	cagccagtag	accttgctcc	ctgggtgccc	240
agttctggat	ctcaggaaan	gtggattaag	gctcctagt	gcgggacctg	ggtggggatt	300
tgctgccctc	tggtggcaga	agggacatca	ccctgggtgt	gagacttggt	ggcatctgtg	360
aggcgtctt	ttcatccnan	ggaagccgga	cctcaaactc	gacctcagcc	ccaggaaggt	420
gccancanga	nggtgccacc	tangagggtg	ccaccagggt	tccgccnggg	tctgctgggg	480
ccctgtccca	tcttgnntga	nncacataan	cncctcaagc	gtcacnagac	ccagggnntn	540
actgtctggg	ntttganncc	tgtgnnngcc	ccctgagccn	atttgncttt	ntctctctt	600
tggggcccct	canntttccc	nttttcantt	tannantctc	ncnnasttnc	ctaaatctct	660
cnggggccaa	actntatnctn	taggaaacnt	ncactnccctn	annaatttaa	atttatnttc	720
tacacttcaa	ctctnccatc	tnnnaactgc	ctnnacncna	atntatttctn	tnctnnnnct	780
ccnctntcta	natcatcnnn	tctatctctc	tatatnttca	ctnnnctnat	nanaaaaact	840
anncngtgcg	tctttcntta	gaacnccct				868

<210> 3642

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (787)

<223> n = A,T,C or G

<400> 3642

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gtncggaaca	nggacaatgt	ngnccgcntg	cggngtgacg	aggcccaggc	ccggnaggag	180
gagaaggagc	gtgagcggag	gggtgctgntg	gctcancaag	aggcccgtnc	anaattccta	240
cngaagaaag	ccanacatca	gaactcactg	cctgagcttg	aagcagcaga	ggcgggagcc	300

ccaggttntg	gccctgtgga	cctgtttcgg	gagctgntgg	aggaagggaa	aggagtgatc	360
ataggcaata	aagagtnCGA	ggaagaaaag	cgacaggatn	aaaganaggc	nngagaaagc	420
tctgggcatn	ctgacatacc	tgggccanag	tgcacngag	gcacagactn	aacccccctg	480
gtaccagctt	ccccagggc	gagggggccc	cccggccngt	ccagccccag	atganangat	540
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ggcgggtgatn	aangcagtnn	cagctnaaag	gaaaaggacg	ggtctnagaa	gcattaccca	660
aggagccttc	atacnttgac	cagcttngaa	cttgaaccgt	ntgctgaggg	aaatcagctg	720
tatangtctc	nggcataagc	ccctgctggc	cccnggttcc	aaagcccngg	cacttacang	780
gagggnt						787

<210> 3643

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (787)

<223> n = A,T,C or G

<400> 3643

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gtncggaaaca	nggacaatgt	ngnccgcntg	cggngtgacg	aggcccaggc	ccggnaggag	180
gagaaggagc	gtgagcggag	ggtgctgntg	gctcancaag	aggcccgtnc	anaattccta	240
cngaagaaaag	ccanacatca	gaactcactg	cctgagcttg	aagcagcaga	ggcgggagcc	300
ccaggttntg	gccctgtgga	cctgtttcgg	gagctgntgg	aggaagggaa	aggagtgatc	360
ataggcaata	aagagtnCGA	ggaagaaaag	cgacaggatn	aaaganaggc	nngagaaagc	420
tctgggcatn	ctgacatacc	tgggccanag	tgcacngag	gcacagactn	aacccccctg	480
gtaccagctt	ccccagggc	gagggggccc	cccggccngt	ccagccccag	atganangat	540
caagancctc	tggaccctct	gcgggagatg	cataagcatc	tggngaagaa	gagacagnac	600
ggcgggtgatn	aangcagtnn	cagctnaaag	gaaaaggacg	ggtctnagaa	gcattaccca	660
aggagccttc	atacnttgac	cagcttngaa	cttgaaccgt	ntgctgaggg	aaatcagctg	720
tatangtctc	nggcataagc	ccctgctggc	cccnggttcc	aaagcccngg	cacttacang	780
gagggnt						787

<210> 3644

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (789)

<223> n = A,T,C or G

<400> 3644

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cttggaacttg	acgtctccaa	cctgtcccag	tatttcagcc	cagcctcggg	gtccagcagc	180
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accctgggct	tcactttcag	cgtcctgcac	gtgggtgttcg	gccgcttctt	ctggatcgtg	300
cggttcgtcc	tgttttccat	gtcctgcgtg	tacatcctgc	acaagtacga	gggcgagccg	360
gagaacgcgg	tgctgccgct	gtgcttcgtg	gtggccgtct	acttcatgac	cgggcccag	420
ggcttctact	ggcgaagcag	tcccagcggc	cccagcaacc	ccagcaaccc	cagcgtggag	480
gagaagctgg	agcacctgga	gaagcaggtc	agactgctca	acatccgtct	caaccgggtg	540

ctcgagagcc	tggaaccgctc	caaggacaaa	gtgaagggtca	accggccggg	cggtgccaca	600
gttaccagca	cgcttgtctt	agaaaacgaa	aacngaggaa	aaaaaccca	aaaccccaaa	660
caatcttaan	taaacacgac	tgagcaaana	aaagttggcc	ctgtgtaagg	gctattttca	720
cccaccgggn	aagtttttag	gacncatttc	cccagaagaa	cgggaaaaga	tcatttgacc	780
ctnggaacn						789

<210> 3645

<211> 1098

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1098)

<223> n = A,T,C or G

<400> 3645

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ctgcancang	nggacactgg	aaactcttac	ctttgcnggt	acttnaanat	taaangcctt	180
actgangagt	atctcacccc	tntacaactc	ttctttgaan	ganaacntaa	tcatcntana	240
acacnctncc	ttaactcnaa	agtcgnatgc	anatcaacat	nntnatccna	aacaccnngg	300
gcancntttc	tngctccttt	atcancncc	nnaatcattt	aacntcacna	tcnacattcg	360
ncnatcatnn	cagcnagaca	nantgnanac	ctacatctnt	anntanmtgc	antngnncan	420
tcnnettggn	tccccctancn	cacctntcca	naagatatcn	ttngnngent	tntnncncc	480
ccactatact	nacatccncc	ntnctcagca	antttantnt	cnaccctccc	nctnanganc	540
nnnctnancn	anccttntcc	caacnantnt	aacaancntn	accannccan	gntctntnnc	600
tctntccctc	acantacana	aatntctcaa	nantccccn	acncnanctc	anctnmntng	660
tacaatccac	tcaatctcng	ngcnnccca	cnantcttta	nctgggnaac	ctttntctac	720
atactancgc	aanacaatnn	tcgcgntnnt	tctcnnanac	acatctctcc	ncanctnncn	780
tnatacnaact	atcatctncn	atnnncactt	anngaccaa	nntacactng	anacnactac	840
tcgccanttt	cantanctnn	tantatcgct	ngtcactng	catctctanc	atnnntnnac	900
aaaancncnt	ccnncctan	aactntcact	ntcatctanc	tctananact	ntctcnactn	960
accntcttta	taccacaann	ncccnanctn	ntgcncctct	catantntnt	ntatncnttc	1020
mntactactn	natntananc	tactactcca	cctcnnacat	ngcttntcat	atncatatcc	1080
tcatecttct	cnnctnncn					1098

<210> 3646

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (783)

<223> n = A,T,C or G

<400> 3646

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ggctgtaatt	ctgagaagat	ccgcaagctg	gtggctgtga	agcggcagca	ggagccactg	180
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atcaaaatct	aaaccaagga	gtctctggac	aagaagctgg	gagaggcaca	aactggacat	360
ctctctctct	catatccttc	ggcattgggt	tatctatggg	agcaaggagt	gggcacgctt	420
ctctgttaca	aatagaaaac	gattccagtc	atacaggaca	catccactcc	aaangatatt	480

tccaaaaaca	tacctctgac	agtnactttg	atagatgggt	tggcnaatgt	atcttctggg	540
tatccacacc	tcttggccat	gaaatttgca	gctcctccct	tccataaatg	aaagtctctt	600
tccccacca	tnttgaaatc	tnggctggca	ctgcgacttn	gantcgnttc	aatacnaatn	660
gtnggangaa	ngtgactggt	tnncttttcc	cancctnggt	tttcaagagg	ccttnttaaa	720
tgccnngttg	gaaccttacc	cnccctgnc	cntngtnnac	tgaccatggc	tggaaaantg	780
acc						783

<210> 3647

<211> 823

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(823)

<223> n = A,T,C or G

<400> 3647

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ctgctgaacc	tcttctctgc	ttcacataac	gttggccact	tcacctttcc	tgagatgtct	180
ctgaggatgg	gcataattta	aagacttgag	cttacatcat	cgcacttga	aagaaccgag	240
tataattgag	ttgctgatac	aagtgggtac	ttgcaccagg	tccgggtcac	ccacatctct	300
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cattgggtca	cttttagaaa	aaggcattta	tttatattct	caagccagca	nagacctatg	420
aatgaaata	attttcaaatt	tcantagaaa	aaccatgccg	tacgtgaatg	ctaataaaaag	480
cctgcogtgc	gtcctnnctc	ccctgtgctn	gcactgcctc	agatccgcct	gcatttatnt	540
ttanctgttc	tttgcctctn	tgtgccatt	tgcatctctgc	ngctgtgacn	aagtngggtt	600
ggccctttta	tgcnnaaatn	ggttaatcnt	tcatttnatn	anncatthtg	cccancnacc	660
taaaaantgg	ggaaaaaatn	caaaagcntg	gggaactggc	cnntcaaaac	ngnnnnntnc	720
tggcggttcc	tngctnttng	ccctcngttc	ccttgcaagc	cnttntccca	nccancntn	780
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<210> 3648

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<212> DNA

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<222> (1)...(783)

<223> n = A,T,C or G

<400> 3648

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actacatgta	tttggaata	aaaattgtat	gactatgtat	atgaaacttg	ttcatgttct	180
aaaaaatacc	ctccatttat	aatatgtttt	taaaatttgc	cactgagaag	tacaaatttc	240
cttcttattt	catcttagtt	atcaaccag	agtcactgga	ggcaatgcag	tgtagtgggt	300
aagcgtgcag	attctgaagt	tagacaagat	ttgggttggg	atcctgactc	tgccacttac	360
tagctgggta	ttcttgaaa	ggtcagtttc	cccatccgta	aaatggggat	aggaatggta	420
ccttcctcat	atgattgntc	ttttttttaa	gatttaatga	ataccttgat	gtattcgtca	480
cagtacttgg	gcatagtaag	tgttcgataa	atacgtantc	ccctgtgccc	ataactgtaa	540
tattttacta	gcactaaatt	tgtctactaa	ttcttttggg	tagagaatct	cccttgtaa	600
atgactattt	tacagaatgt	tttgaactcc	aaatcaagcc	taccacgatt	aatnatatta	660
agaattttat	tttaacttta	taagggtctc	taacagtang	ttaacccaat	tttaaaangt	720

gaaattcaan gtgttcccta ttaaaacccc tattcctgaa tgtanataat ccattattnn 780
nct 783

<210> 3649

<211> 827

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(827)

<223> n = A,T,C or G

<400> 3649

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ggcaggagg	agagcctang	agagcggtag	ggctcatggg	caggccgttg	gtgtacgcct	240
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gctgctttct	tctgccctna	agaggcccct	cagaagagag	gaggctngnn	tgaggggcnt	480
tgagataaac	cccgaaaggc	cggnttcctg	gcttcgtgtt	ttaaaactca	gtgctgcttg	540
cnaagtgett	tgnctattgc	attnataatg	accaacancg	nttggttgac	cacnttgatg	600
gnccgagggg	gtgccangca	cttgttccca	agggccncac	ttcgtgttgg	ttntttggtc	660
cgnttaattc	ctncttgaca	aacctattta	caccggtttc	ntcnttcnnc	tntcnagcna	720
anccccaatt	ntgcaacccc	gngggaaaac	tnaangnecn	caccggattc	acccaaaatg	780
ccnacnaacc	ttgntatttc	caancccntn	ancctctcct	gnncccc		827

<210> 3650

<211> 776

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(776)

<223> n = A,T,C or G

<400> 3650

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tgccaagatt	tagaagttat	ttcataggag	ctgggacaaa	ggtcaaacct	ctctttgggc	180
aagaccgtat	tctttattgc	atagctttga	aaagagattt	tgtattaccc	aaacatttat	240
tttaaaaagg	cacccccata	tatccatcac	tcgaactgta	catttctaaa	tgtacattga	300
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cttcaggaga	ggaatactac	ccccaaagta	tggcccagca	gggaaagagc	ataggtaata	660
cattctctga	ctcccacttt	ctgatttctt	ctagtagctc	cctttggcca	aattcaactg	720
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<210> 3651

<211> 776

<212> DNA
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<220>
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<223> n = A,T,C or G

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tattttatga agttagtga gtcagttgaa atgtgtatgt aaacatttga agggatacag      180
ttaacatttt ttaaatgaga ggaaaccatt gtctgtagtt cagaaataag atggagtgtt      240
ttacttatgt aaggggtaat ttaaaaagta aacaaaagca ttggcctaca agagaaaggt      300
gatgttggat tataagtgt ttttctaata gttaatatta atcaacaggt gagtatatgt      360
tcctgttcca agcagttatt aatttacatt ttctcaaatt ataagtagct tcctgtttct      420
ccaaaagtga ggcttaagag gatggctatt tcatcataaa ttagaaaaac gactacaaat      480
atgaaatggg taattttttg gtactaagat aatgagacca tccagaattt tatgatcaaa      540
acatggcttt taccaggga gtatctgtag ttgagccact ggctctataa cattgttagt      600
tctttgtatt ttcccaatgg aggttttacc tcatggccat aaaaataaaa gaggggtgaa      660
tgtgaaaata actgcatttt gaacatctca nacccttcac tcataaaaaa tacttaatgt      720
tcctcttctt tgaattacat atttttccat tgtaataaaa ttctgttttt gaaann      776

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<210> 3652
<211> 846
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (846)
<223> n = A,T,C or G

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<400> 3652
naactaatna gaagaccnc nanntngcct aaanaaaagg etngggggat tcgggaagg      60
ggggcttatt tcatccctac agtctcgacc atagaagaca gctacacca agggggccat      120
tttagaggcc caccctcagg ggcacattct ctttctcagg gatgttctt gctgagaaaa      180
agaattcggc gatatttctc ccatttgctt ttgaaagaag agaaatatgg ctctgttccg      240
cctggctcac cggcggtcag agtttaaggt tatctctctt attccctgaa cattgctgtt      300
atcctgttct tttttcaagg tgcctagatt tcatattgtt taaacacaca tgctctacaa      360
tttctgcaat taacacaatt atcacagggt cctgaggcga catacgtcct cctcggctta      420
cgagatgaca ggattaanag attaaaacag gcatangaaa tcacaagggt attgattggg      480
gaagtgataa gtgtccatga aatcttcaca atttatgntt agagattgca ntaaagacag      540
gcntaagaaa ttataaaaagt attaaatttg ggggaactaat aaaatgtccn tgaaatctta      600
aaaaaanacta ntcacactcc ncccncaact nannccccac nctccntnc cntcncnccn      660
accctnnnac tcnctcctct cncntnnnac cccttcccc nntcntccc tncctctcnt      720
cnnctncnet ctcctncnet catncectc actccttctn nncctttcat ntentcanen      780
anntennect cnntnttct ncnctctacc ntannccatn cnatnnctcn ntntnccctc      840
tctcct      846

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<210> 3653
<211> 782
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (782)
 <223> n = A,T,C or G

<400> 3653
 acctattant ntgatgtcga nntnncctaa ananataggc tggggcgaat tcggcacgag 60
 gcgggaccct gcctctacta aaaaattaaa aatagctatg catggtagca catgcctata 120
 gtcctagcta ctgaggagc tgaggtggga ggatcacttg agctcaagaa ttcaaggctg 180
 cagtgaagcta tgatggcact actgcacttt agcctgggtg acagagttag accctatctc 240
 acaataaagt aaaataagaa ttaacacact cataataact atttagttaa taggaaactc 300
 tgtttaagcg atattgctta tatttctctc tcatgctttt gtaggtcttg actcatcctc 360
 tcaattatcc acagagtata ttgttagtgt tttgtttaag ctacctttta cactcaatta 420
 aaactattta ctggaagtag gctaaggtna tggggtgaga atagagatgg tattatatca 480
 tgaaatctac ggaagagttt gtagtcntag ttccctgcc cccacagagc ttattactct 540
 tgaagaagct ttgacnaatt ctacatgact tattccccct actttaacaa gacctgctat 600
 actaaaacta taccncagtt tttccaagag aatantgctt cttaaattata ttanctctgg 660
 ntcccatata nntctnnanct ttnctccctt tctcttattc naaagttagn tttnnattan 720
 gactcttntg ancatatnnn nttannntnc gnnccnccgn atantcnggt tccctntggg 780
 ct 782

<210> 3654
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (781)
 <223> n = A,T,C or G

<400> 3654
 gtacctatcg tntcgtgcat gtcgnantng cctaactana attggttngg gcggaagagc 60
 tgaagagtag gaggtggcag gactaactaa aagtgggaca gtcacttggt atagtgaagg 120
 tagaatggac agaattgggc aactaattaa gagggagaa cctctaggag aacaggagaa 180
 agcatccaaa cctgggaanac caggaagaga agatccttgg tgagaagcag tcaatgagtt 240
 tgctttggga tatgttgagt tcccaaactc atcatgaggt gaggttcca ggtagcaaat 300
 gaatcacttg agaccaggag ttgaggagca gcctgggaca catagcaaga cccatctct 360
 acaaaaaaaa aagattttta attagccagg tgtggtggtg tgtgcctgta gcccaagcta 420
 cttaggaggc tgaggcagga agatcacttg aacccagaaa tttgaggctg caggtgagct 480
 atgatcacac catagcactc cagcctggat aacagggtta aaccctgtct cttaaaacan 540
 acaaaaaaac aaaaaaccac caaaatcctt atgtatctgg tactatagtt gtctttctca 600
 ttttacattt gacactgaga gacagagagg ttgangagtt tgggcangac acacagctna 660
 tacatggtag agtcaagcct tgagtccang tctnctggcc ccttatttcc acccgaact 720
 ttcaccatta tcatattgtc nggnangctt ggagactctt gaatcccttt aactcacccc 780
 t 781

<210> 3655
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1017)
 <223> n = A,T,C or G

<400> 3655

gaactaatnc	ctcncnnngt	ctaantngcc	naacnngntn	gngttngggg	nattgngtaa	60
tanantggca	gntaccaaag	atggntgtct	nnagttntcta	aatgacatgt	tgatcgnggt	120
catgatatct	gcaaataatc	ttgtctttct	tnacctnaga	acaaatgtna	agcattgatn	180
ggagcanaca	caacagttac	gaantntnct	gcntggcaac	tgactnaaag	cnaatntact	240
antcctctta	aacttccaaa	anagtatnca	ntactacngg	atggntctct	atncacangc	300
ncttngtctg	tnacntcnan	natntcacnt	atctaanaan	ananntcnna	atgatnaatc	360
tcaacnaccn	ccaanannaa	gttnncgnac	cgtgnnagtn	gtncancnta	anttganegn	420
cacttgccct	tncntcccc	aggcanacga	atattntctc	ctttttaagc	ccntccangg	480
cncaacggct	cctncnntcc	ncanategca	aagnttaann	annntctct	nccctcttca	540
attantcact	accttcaaac	tcnctcancn	cattnccgnc	cctccntctc	ngcntcacct	600
cgtcaccenn	tcttctctna	agtncnccct	nntaancenn	acnntttccc	nnnaacccct	660
ccnngnttcc	tnnactcact	gmnctccatt	ntctcccnct	nccccncaa	annnatnctc	720
cctcnntant	tccancctct	nactccagcc	gctancacac	ntctcgctca	catctaatec	780
nacgncattc	actnctctcc	ganatnancn	atcgcgnta	tangngaacc	taannnctat	840
ctcacnctnn	antctcncta	atnccancnn	taancntttt	gctncagcac	anacacntct	900
ctctacactc	ncnatacnac	ttntanccat	ttncntanta	ctccatctac	anactctctc	960
atnncaccac	ncatctctna	tacaacnctc	ctntctctct	ctngetanca	cancact	1017

<210> 3656

<211> 908

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (908)

<223> n = A,T,C or G

<400> 3656

ntaangnntg	tactcgngnt	anctngccta	aatananann	gttnggggng	ctgggtgtng	60
gtggattaca	cgcgtgagcc	attgcaccca	gccttaaggg	accaggactt	tatctttnta	120
ccctgctgta	ccatcttttag	ctttttatct	ttttattctc	atgcttttgt	tncttcatga	180
tggttaggatg	gctgccataa	ctccagggna	tacaccaatc	ctctaaacaa	gaaacaaggg	240
gntgagagaa	aacactctga	gaagggtntc	ngggaacaaa	agacctccac	gctgactctg	300
cttnataact	cattggctna	aactgagcta	tatgcccata	cttanagcaa	tactgacaa	360
aggggaatag	cacaaaaaca	cctctggctt	atcntagatc	aacctcgatt	nattnttctg	420
gggttngggg	tggggccttc	tnacctgng	aagcaaagaa	cctcttgcca	gcttgctccac	480
ggctactcan	gttcnntnta	cccaacaann	ggctatnggg	ttagtgacta	acttnccaca	540
gcnngcana	tacatttctg	atagtaacnt	ntttccaaga	ncttctntaan	ttcaccctn	600
gaactatccn	gcancanatn	annctnttn	ctanttnnat	cannntggtn	tcaaactcan	660
anggnntttc	annccaannt	nnntntntct	nacatnnccc	nccccncaa	ntccccncc	720
gtcntcactc	ntctccacc	cctnnacccc	ttntcaanac	ctctacntnt	tcangctncn	780
cttnccnnnt	nntccctcat	nanctcactc	ntcactntnc	tctccnnccc	nncantaccn	840
tctctnnncn	gtctctctct	ctnnntccct	ctctctcanc	atatcttctt	tncncatctg	900
tnnccncc						908

<210> 3657

<211> 848

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (848)

<223> n = A,T,C or G

<400> 3657

aatcncngta	cngngcgan	tngcctaaan	anaaggttg	ggggccctct	gcttctctggc	60
tgaccttggt	gtggccctct	gatggcacta	tgtgtcctct	tctctgagct	ttctgaggat	120
gacaagccgt	cttttcaatg	ggactccctt	ccagacctgt	tggctctacc	atactggaat	180
catcataaag	cctgtattgt	aaaacatcat	tgggtgnctaa	agtttgcaca	atgctatggc	240
ccccacatta	agggagtctg	ggtgagatca	ctncattgcc	cctacttctc	tgaccanaaa	300
acacaagagt	tcatgggaga	caataataac	aacaacaaaa	acaatacaag	aacacantng	360
tacctcntta	ttggcacant	aacttttcaa	angctggcat	gaatnaaaag	nncccaagtc	420
ncaagacnag	gtgnnctgga	nccactgctc	agnactttcc	gacagccnac	gaaagcacat	480
cnaatgaaca	angccttgca	ttantgggac	gnttnnngat	atacanccca	nggaatcatg	540
cncctgttag	tccangggga	cnagccctnt	nccatgcnc	cnctantget	caaaccnntc	600
atnggcant	tgetncattt	cgtacnnnng	tngggccctt	naatgaaata	tcgaancaat	660
ttnttaaacc	cncncnggcc	ttattgnnac	tttctnaaan	ncccatcncc	cttgncttca	720
tannnctnn	ctgcgccttg	nntgcaattc	tcccctngcn	ggacntctaa	tgcnnctcaa	780
actcnancgc	nnnnggtcnc	aacacttttt	ancntanna	caggggntta	gncccaanat	840
ttccnacc						848

<210> 3658

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3658

caatgcncna	accaattant	aagntactcg	nnctttccgn	acncancnag	tgcgngggcg	60
aattcggcac	gaggetgagt	atTTTTTTca	agtgtatcat	ttgcctgtta	acttaaaatt	120
ctatTTTTcc	cctaattcta	tgtcccagtt	ttgggttagtg	tgtcttggga	TTTTtgaccc	180
attccatagt	aatagttatt	actactacca	ctacagtaaa	ttcttacaag	aactttccat	240
gtTTTTttgg	aggaggagga	ggagttagt	cattcaggat	catatacata	attgttttagc	300
ttcagttctg	tatttatata	tgtcacttgt	aactgactgg	gatacgttct	gagaaataca	360
ttctcaggta	atTTTTgtca	ttgtgccaat	atcatagagt	gtacttataa	aaacccaggo	420
tatatattat	aacctattct	gggcttcaaa	cctgtacagc	atgttacttt	actgaatact	480
gttggcagtt	gtaacacaat	gataagtatt	tgtgtatcta	aacataccaa	aatatagaaa	540
aggtacagta	aaaataagtt	taaaaaaaag	gtacaccaa	ataatcttat	gggaccatg	600
tgtatgtggt	ttgatgtcat	tatgcagtgc	atgactgtac	tataaatgct	tatggccagc	660
cctTTTTttt	tttgaggcag	agtcttgatg	tctgcgccat	gctgggagtn	cnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	775

<210> 3659

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (778)

<223> n = A,T,C or G

<400> 3659

aantnctnna	acttatnntn	tntngacctc	ganctnnctt	aannagnnng	gntngggcga	60
attcggcacg	agataaaggc	ctagtTTTTg	tatcccaata	gattttttacc	aagcttcccc	120
tgaagaaagt	ttagaatgag	catgatggga	aaagggagaa	attgtatgct	gcagatagag	180

ggaggaaagg	ccaactaggt	ccaacaagta	aaaagaggac	tagtctcaaa	ctattaaata	240
tatgatttac	ctagcaaaaag	ctttaagtca	cagctgaatt	acactgggga	aacaattaca	300
gactttacaa	tggaaagaag	catcttcaat	gttggtgca	atcactgaca	gcaggaatac	360
tcacttttga	aaaaaaaaaat	tggctattgt	tttctgtttt	ccacatctta	gtttaatatt	420
atgttccctca	aacactatga	agttgagaac	tgaattgatt	acctgggaaa	ttctggtgaa	480
actgaggtgt	ttgtttcatt	aattatccat	gtcatttate	ttcttaactt	aatcaaccta	540
aatttagcct	gaatattatt	tgtagggac	tgaagacttc	tagagagcag	agagcacctt	600
tttttaatta	aacaaattcc	tttgataata	ttttaatgtg	actcaagaat	ccagcactat	660
ctatatatgg	acccctctgc	atccatgaaa	agaagtcctc	atccaattct	gtgaatatga	720
gactaaaata	caattccaat	tatgaggnat	tttnttttaa	gtcctaatac	aggaagaa	778

<210> 3660

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (792)

<223> n = A,T,C or G

<400> 3660

ctaacttatn	tntctaganc	toganntngc	ctaaananct	aggncngggc	gaattcggca	60
cgagcactac	atgaagtccg	gggttttggt	aaaatatctg	tcttatttat	gaaaggctga	120
aaagagaaaa	gagctattca	ctacccgaga	ctataagttt	tagctgataa	aaacacagcc	180
tcatcaatag	ctattgaatg	aagccacttg	ctgagtcagt	aactgaatgt	ctatgtatga	240
tatttccagt	atcatgatta	aaatggagcc	cggaaatgtc	attataaggc	ctagttgtgg	300
actggggggc	cagatggcca	agtgggagca	actctgaaac	cattaaatag	gaggagagag	360
agaaattaaa	aaccttttct	attcaaaaaga	aacctataac	ccaaattcta	aaatttatag	420
agacatataa	tattaatata	acaaaatcag	ccaccaaaaac	attcatttct	ctggatgaaa	480
ttaattttat	ggagcagttc	aacaaagact	ttatttttaa	aaataaatta	tgtattttatt	540
tttgactagt	aatagatgca	tgtagtacaa	aattcaaagg	tacaaaaagg	gtaaacagtg	600
aaaagtaagt	ctatctccac	ctctttccac	tagccacca	gtttccctnc	ccaaaggcaa	660
ccactgttac	ccatttcttg	ctatcccttc	ctaaggataa	attggttgca	ttattccaaa	720
cattatntan	tatatatacc	acccacacn	aotcacocaa	tatggtaacca	tttttttttt	780
attcaaatgg	nn					792

<210> 3661

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 3661

ctaattctgn	acnaatnggn	tnngctactc	gtntcttccg	naanancnag	gcggtgcgaa	60
ttcggcacga	ggtgggctct	cccttaaaga	cacatggcca	cagacacctc	cttcgcatat	120
gtaatatgcc	ttcccctgcg	gccttccgtg	gtcacagcaa	cagggactgc	tcaccacctc	180
cagctggggc	ttttctaaca	agcacagtca	gaaatgcgca	ggcctggggt	tggggatgaa	240
cagaagttga	ttagtgggca	cagaaataca	gttagataga	aggaatagtt	ccagcattcg	300
atattacagt	agggagactg	catttaacaa	taattgattg	tatatttgaa	aacagctaga	360
agaataagaa	tattcccaac	acaaagaaaa	gataagcgag	gtgaaggaaa	tcccagttac	420
cctcattcag	tccattacac	attcgataca	ggtatcaaaa	tatcataggc	acctcaaaga	480

catgtacaac	tcttaattta	acatttttga	aagaaaaaaa	aaccggccag	agcattaaaa	540
caaataaaat	aagaaacaca	gaggccagtg	ttaggtgaag	aactccgctg	cttcagaaag	600
agaatagcag	cgctcgctta	ccgtgggaac	acggccagtt	aacaaaatgg	gttttggttt	660
tttgntttgt	tttgttttac	cattggtaat	aagatagtta	acataagtgg	tcagaacttc	720
gcttgaattt	gtataaagca	tttgtaagc	gtgtaaaagt	ccaaattaaa	agtcttgaa	779

<210> 3662

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(805)

<223> n = A,T,C or G

<400> 3662

aatnctnaac	ttattatctg	acgtcnanmt	ngcctaaana	gaatnggtn	ggggaattcg	60
gcagctccct	caaagaaagg	agaactagga	aaatgttttc	gccatctccc	aaagatgata	120
ggaaagtctt	gagcagggtt	ctgggtatag	ccccttgtga	gaaattcaag	gccaatcaa	180
tgccatagat	gagttatata	ttccaaattt	acactactta	tgtaggtgta	gtaacctcca	240
aatcaataaa	ttaatataaa	attggcccag	gactggtgaa	acctagagtc	ctgtcagaag	300
caaatacaaa	gcagcccttt	aacaacagtt	ttaaatttag	ggccttcaag	acccccagct	360
gaaaagaaag	tctctactga	aagtgagctc	acaatttaac	aggagagana	nagaaagata	420
cactgtgaag	gatantcaaa	agacattgca	nanaggagga	ctgggtactgt	ccccacccc	480
cactaagagc	ttaagatana	acagcctgna	tgagactatg	aaatatnttt	aanntgatga	540
aagaaaaatg	tcacctntcc	ttctttccca	gtcaagacan	gnngnatccc	ntttgnntaa	600
ncctanaaan	tacctgtgtg	agatactnnn	nttgatcggt	agacgccnat	agtcacacct	660
cttggaangna	aaactanaca	ttcttcnatn	ctttnaantt	cccccccccn	tcnggcccct	720
gtcttcccan	attcacctaa	cttccccctg	gttgcccccc	acttaattcn	acngcccctt	780
nttttttcac	tccaaacngg	gncct				805

<210> 3663

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 3663

tnnctaacca	atnantcnag	gcanctcggn	ctntccnaaa	taaanaggnt	ntggcgaatt	60
cggcacgaga	aatgctgaat	attggtgaac	agcaacaggg	gaaacaaggc	agtctgagca	120
cacagaactc	aagtcctcct	aatgggatcc	cagaatgcc	atggaggaag	cagcatgtgc	180
actgtgctga	gtgctgagca	ggatttcaag	agagcaaagg	cagagatgct	ggacagggca	240
gcacaggagg	acgagtgtgc	atggtcactc	tgagcagggc	tggttccttg	gctgggttga	300
gcacagcatg	gggaactgaa	aggcagacac	tgccaagaa	agtccttggt	cagggttca	360
gaagtgagcc	tcacaagcca	tcctaggcca	cactgccatc	aagccccaga	cctctacatg	420
cccatttggg	ttctttccag	ctcatatagc	ttcctaagta	ttgtggctaa	cagttccctg	480
acttgaattc	ctagtttctg	ttaacagttt	tctaactttc	aggaaaaaca	agccaatttc	540
taaggaaaagt	ggctgtgctt	cagtcaggag	tagtccgagg	tagacatcca	ggacagtatg	600
acgcaaaggg	tttgagcgc	aacaaccctt	tgcgttatat	agccatttaa	tgtaacctgt	660
ttgtgtgagt	tcatacctgg	ctttgagcca	ctattgtctg	tgagtaatat	aactgcactg	720
ctgactctgt	aggagagaga	ataaagccat	gtccaacttg	cctacagtcc	tcn	773

<210> 3664
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(777)
 <223> n = A,T,C or G

<400> 3664

taatgctnngg	ctctcgttct	ttntgcagga	tcctctgatt	cgaattcggc	acgagtatag	60
atccagattc	tattcaaagt	gccttattag	catcaggtct	tggatcaaaa	cgacctagtt	120
nttcattctac	accagttntc	ttcacctgct	cctaacangt	acaccagcta	ncagtcncac	180
cnacngtaac	agtggccttn	tnacnggtaa	ngatgctgtg	tgaaagggct	cagcaagatg	240
acgaaagacc	tgctngataa	gctcnagnaa	ttngcnga	acctgccncc	tnatacmtn	300
natganccta	nngannaacn	ngngngnct	nctaactgtg	ntgagatgac	tggccgctgg	360
gacgggtgtg	nnanctgcga	tgatggacgc	atgtancctn	atncangntn	tgnactnnan	420
gngcctgtgg	aanntcncga	ngttacnctg	gctcagggat	attatngatg	gcgnttacnn	480
tantgctggg	atccatcatg	ctggngaanc	nggtatnaca	ttacatctgn	tnngagagct	540
tgccatnata	ggcgangntt	tcatatgact	ttgggaantg	nccttgatcc	gctacntaga	600
ncngctntaa	cagttgggga	ccctnnntga	natcancnca	ggttcctgtg	gnggagattn	660
cctacntgaa	natgggcnc	gncggagcta	acggaanac	ngngtancnt	tgctgctang	720
ccacttnana	ggattgtggg	cactttcaca	tggngnntna	acgcttgcca	aacttcn	777

<210> 3665
 <211> 815
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(815)
 <223> n = A,T,C or G

<400> 3665

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gttatgacat	atgtaataca	catctgtgta	cacagaaacc	ggcacctgcc	agacagagct	180
ggttctaaga	tttaatacag	tgcttttttt	cctctttgaa	atattttact	ttaataccag	240
tgctttttct	tggtgaactt	cttggaaaag	ccaccaattc	tagatcttga	tttgaattaa	300
tacacacaat	atctgagaca	cttacacttt	tcaaaagatt	tgtgtatgca	ttgcctaatt	360
agagtagggg	gagaagggca	actattatta	tcctattttt	acaaaactga	ggcttantga	420
ggttcagcca	catgcctaga	cttatatact	agttagtggg	gcagccaggg	agaggactca	480
gatttcctgg	aggcaaagtc	tatctctgaa	actccatgaa	gacttttgca	gccagttccc	540
accaatatgc	ccccagacgt	gagacaaaca	aggacttttt	ttttatatag	agccatccat	600
naaaatccta	agcccctttt	attaatgtat	aaccaggaag	aaacattttg	tgccaaccgg	660
tttgactttt	tntatggcnt	gagaattcgg	gnaaggaagt	gttgaccccc	aagccangga	720
gaaggaaa	antgganttt	ncntttgtcc	tttaaggggt	ttntaangnn	cattgggtttt	780
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<210> 3666
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (774)
 <223> n = A,T,C or G

<400> 3666
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 gtctttctcag aaacaaccag ccttgaaggc tacaagtgc aagaaagatt ctgtttcga 180
 tatacccaca gaaataaagg atggacaaca atctggaaca gtgtcttctc agaaacaact 240
 ggcttggagg gctacaagtg tcaagaaaga ttctgtttcg aatatagcca cagagataaa 300
 ggatggacaa atactgtggg cagtgtcttc tcagagacaa ccagccttga aggctacagg 360
 tgatgagaaa gattctgttt cgaatatagc cagagaaata aaggatggag aaaaatcttg 420
 gacagtgtct cctcagaaac aatcgcccca gaagggtata tttaaaaaga aagtttctct 480
 tttgaatatt gccacaagaa taacggggcg ttggaaatct ggaacagagt atcctgagaa 540
 tctgcccacc ttgaaggcta caattgaaaa taaaaattct gttctgaata cagccaccaa 600
 aatgaaagat gtacaaacat tcacaccagc agaacaagac ttagaaatgg catcagangg 660
 agagcaaaag angcttgaag aatatgaaaa taccagccac aggtgaaaaa ccaaattcat 720
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<210> 3667
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (733)
 <223> n = A,T,C or G

<400> 3667
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 ntntcnatc cttcantcat gacacntcac atgtcaagng nagaaggtag ancgtgnaaa 180
 tgcctafanc ggcaaatnt aggagttctt ctctggctcg gttgctcag agtgatctc 240
 ngtnancccc agggccatca ctgtgcatgt ncccatgccc tnaacngnat tcgagcacat 300
 actgattnac tanaaggagg ngnangncca gcagnaacan cnaacgatga cattggccnn 360
 ganctaccnc ntgnncgatg ggaaaatggt gaanntncnn cgcacccnga atgcgcnagt 420
 tnnrtgaact cantaccaan tgctcagcag cactctcttc tctngctcgt ggagcttcag 480
 cccatnantg gaatanaaca tcnctnaga ntncactngn cttttggatt gnattgtnc 540
 atccttgggtg atcacaatnn ctcagactgg aataggtgc cccccaaaac tgtctgtggc 600
 accctgaaaa agctggggct aaacagncaa ggccgntcat ccccttgnct gaccncgnat 660
 tgtctgctgc tgggttcgga cgaggactac tnnngntgaan tntccttgt tggcatgatg 720
 acnctngtta aga 733

<210> 3668
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (774)
 <223> n = A,T,C or G

<400> 3668

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gggcccacac	tcaatgcaca	tatcantgcg	canagcncta	aaatttcagg	caacactttg	180
nttgagagan	gccaaaattt	tggnccaggcc	ctgggacatc	taaagtcacc	aatgtaacta	240
caccatacag	attaaaccct	cacatgatca	tgtaagctat	gcagttaccc	aagctgcac	300
atttanaaaa	cctgtcagnt	nttatggaaa	ccatccctag	tcaaggacac	tttaaatatn	360
tagtctaaat	accgttaang	taggcccact	agctgtgttc	acattatccc	ttggccacct	420
taccagggac	tnnaataact	tgggaaagt	aaaacaacaa	gctnaccac	atgttcacca	480
tnnaaancan	ttangtcttg	aaaaacatgg	actctttttt	ccgtgtggga	ccagttccta	540
cttatgtgtt	accagccaat	tggactggaa	cctatacagn	tgggnnatnt	agccccgaa	600
attaatatag	ctcccaacaa	ccaatccttc	attatacttt	naactgmnaa	ccaccanaca	660
caaataganc	atccaactga	taccactttc	ngtngaagct	anggaatacn	cctngaagtc	720
tgantgagag	tttcagncct	tgcnctnnc	ctatcctatt	accannggtt	gnct	774

<210> 3669

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 3669

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tgttaccatt	atgggaaact	ggaggaagg	catatgggac	ttctttgtac	tgctttttct	180
attccctgtg	agtttataat	tattttataa	taaaagttca	aaaacactta	ttggatggac	240
atcacagaac	ataatagaag	aaagaatcag	tgaattatag	gtctgtttta	tagaaatgac	300
tcaaactgac	acacaaagca	aaaagaatga	agaaaacaga	acacagtgtc	tgagactttg	360
tggaataata	ttatataaaa	ttatctaaca	gtcacatgat	ttgaccctca	gaaggagatg	420
aaagaatgag	atagaaggaa	tatttgaagg	aataattgtt	gaaaatgttt	ccaaattgat	480
gataatgtca	gtcacatttc	ccaagaatca	cattgaaccc	tgaccaagat	aaaccaaaga	540
ggactacatc	taggctgac	atagtcacac	tgcttataat	gaaaactana	gagcaaacac	600
ctaaaagcaa	ttagagaaat	cctatatagt	ccatgttggg	aaacagttac	atcaatgtgt	660
gctgacttct	catttgaaac	catagatgcc	attagacagt	ggaacaatat	ttttaaagt	720
ttcaaaggaa	aaaaattgct	atnccagaat	tctggatttg	cccaaaaatc	tcttcaaat	779

<210> 3670

<211> 814

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (814)

<223> n = A,T,C or G

<400> 3670

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cgactgcccc	ccttcacgct	gtcccacctg	gagagccacc	gtgacggcca	gcgcagcagc	180
atcatggacg	tgcggteccg	ggtggattct	aagaccctga	cccgtaacac	gaggatcatt	240
gcagaggccc	tgactcgagt	catctacaac	ctgacagaga	aggggacacc	cccagacatg	300
ccggtgttca	cagagcagat	gatccagcag	gagcagctgg	actcgggtgat	ggactggctc	360

accaaccagc	cgcgggccgc	gcagctgggtg	gacaaggaca	gcaccttctt	cagcacgctg	420
gagcaccacc	tgagccgcta	cctgaaggac	gtgaagcagc	accacgtcaa	ggctgacaag	480
cgggaccagc	agtttgtctt	ctatgaccag	ctgaagcaag	tgatgaatgc	gtacagagtc	540
aagccggccg	tctttgacct	gtccttggct	gttggcattg	ctgcctacct	cggcatggcc	600
tacgtggctt	gtccagcact	ttcaacctcc	tctacaagac	cgtccagagg	ctgctcgtga	660
aaggccaaag	acacaagtga	ccacaagcca	acccccaaaca	agcccgggag	ccccccggcc	720
ggtttcaaca	agtccccctt	ggggcccgan	gcaccgaatt	gaaattggga	caacttggcc	780
ccgnccgcgg	ggcnggnccc	ttgcaanggg	acca			814

<210> 3671

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3671

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ccattttttc	tagtggggaa	caaggcagat	ctctctccag	agagagaggt	acaggcagtt	180
gaaggaaaga	agctggcgag	gtcctggggg	gcgacattta	tggagtcac	tgctcgagag	240
aatcagctga	ctcaaggcat	cttcaccaa	gtcatccagg	agattgccc	tgtaggagaat	300
tcctatgggc	aagagcgctg	ctgcccattc	atgtgagccc	ttgggtgtgg	ggtaactgcc	360
ttgcttctgc	ccccggcact	tgccatgttc	cagtgggggg	cagatcctca	ggacttcacg	420
ggtaggtgtg	ccagctgtgt	tcctggcccc	tggacacaca	gtgtggcatc	ctcatgtttg	480
cacactttcc	ccaggctcca	gtggcctgga	tgtcaatgtt	tacaaagggg	caaggacctc	540
tcattggacac	tggcctctac	cctctgtttt	tgtttgatga	attctgttat	aacctatggg	600
gtcaggatat	gagtcctggg	cattatttat	ccaggaccca	tcctcttggg	tgggttttgg	660
gtgttggctg	ggtaaagggg	agccgggggac	ttctgaaata	anctggcttc	ctggggtgac	720
aatgnatata	tgcaataaaa	ttgagaaatc	ttttaaaaaa	aaaaaaaaaa	aaaaa	775

<210> 3672

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 3672

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tgatgatgat	atggtgaagt	ttttgttgaa	actaaattat	gaagtctgat	atatttggat	180
aaaaataaag	aattgctttt	cttctccttt	tgctgatttt	ttgacacatc	attctaagca	240
aatcatctc	agcttcgtat	atttcagcct	gaagtacttc	ttaccaaagt	tgtttcatgt	300
aacatttgtt	caatatgttc	gtgacatgtc	tctcagtaat	gaaaagtatt	gcattttatt	360
gaatgaataa	aaacctaacc	tctgctatct	ccatttctgg	aagttgtaag	agctcacatt	420
aaagacagta	aaagtcaatt	taagccaaga	tcattttcag	cccaccaatg	tcattggctat	480
tggaaaggaa	aacctaatgt	gatcattgaa	ctatcataac	aagtggaaac	tagaactttt	540
ttatagcatt	ttcatgatat	aggtcctgtt	atagtaagat	atttcattct	atttatcaaa	600
atggtgtaaa	taaaagaaac	acaattatct	tggtaatgct	tatcttcagt	ttaaactatt	660

attctttttca gaaatatgta aatacccttt gnaaatatat nccaaatgaa aaataaggga 720
tattttaccc attaattatt tctggaaaga tcttatgctg gtttaaatt 769

<210> 3673

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(785)

<223> n = A,T,C or G

<400> 3673

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gcagtgaact atgattgcac cactgcaatc cagcctggac aacacagtga gaccctgcct	180
cacaaaaatt atattctgat tttctgagtc catgaacaca ttgtccaaat ggatttttct	240
agctcctcca agttacagat agttccacgc acacacagaa ctcaccactc tcaaataattt	300
tccccactag tattactatt aaatttttca aacatgcaaa agatgaaaga attgctcagt	360
gaacaccatg taccaccac ctagattcta caattaacat tttaccctac tttctttatc	420
acatatatgt acctatccat ctatccattc ttccatgaat ccatcaattc atctaatttt	480
ttatatattt caagttaagt tgcagatatg tagcttatgt ttcaccttaa atgtttctgc	540
ctggctatta ttaactggag tgcaatatgt ttttggttct tctttatggt aaaatctatg	600
ttcagtgaaa tgcacaagac ttaggtatgc cattaatagg ttttggacga atagacaaac	660
cttgngtctg aaactggaan taaaaaaaaa caaacactaa aaaaaaaaaa aaaaaaaact	720
tcgagcctnt anaactattn gngagtcgta ttaccgtaga tcccagacat gataaggatc	780
cattg	785

<210> 3674

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(763)

<223> n = A,T,C or G

<400> 3674

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ttagatactt ttggttaagt caatttcttg gtgaacaatg gaggaggcca gtttctttcc	180
cctgctgaac acatcagttc taagggatgg cacgctgtgc ttgagaccaa cctgacgggt	240
accttctaca tgtgcaaagc agnttacagc tcctggatga aagagcatgg aggatctatc	300
gtaatatcat tgtccctact aaagctggat ttccattagc tgtgcattct ggagctgcaa	360
gagcaggtgt ttacaacctc accaaatctt tagctttgga atgggcctgc agtggataac	420
ggatcaattg tgntgcccct ggagtnattn attcccagac tgctgtggat naactatggt	480
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ttcctgagga ggtntcctct gaggtctgnt tcctactgtc tactgcncct tcttnattct	600
ggacagtcag ngcntgtnga tgggggcccng anctctatac ccactcgtat gaggttccaa	660
atcttgacnc tgcnccaang ttccagggga cntnttgnc ggtgaaaana natgnaagng	720
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<210> 3675

<211> 772

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(772)
<223> n = A,T,C or G

<400> 3675
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ccgtgtactt ctctggggag gaatgggatc tccttgatga ggctcagaaa cacctgtact 180
tcgatgtgat gctggagaac tttgcactta cgtctccct gggttgttg tgtggagtgg 240
aacatgagga aacaccttct gaacagagaa tttctggaga aagagtgcc cagttcagga 300
cttccaaaga aggttcatct tcccagaatg ccgactcctg tgaaatatgt tgcctggctt 360
tgagagatat tttgcacttg gctgaacacc aaggaacaaa ctgcgggcag atgtcaaaat 420
acctgtacaa ttttaaaatg tcacaattaa acatgagctg gtttcccaca caaaanaaag 480
actgaagatn tgcattttta ggatgacaac ataatggana aaattngaaa tagcatannn 540
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cccttgata ntttgggcaa cncnntt gtntgcnntn nanaaaaaag ccntttnttt 660
tggaanaatt tgggaancnt ttgggtttta ttttgaccc ctttttaanc nccannaaaa 720
nannttaan ccccnattg gnttnnttt ngnttnnagg gttanggggg ng 772

<210> 3676
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(775)
<223> n = A,T,C or G

<400> 3676
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ttcctgtaga caaagtaaca ccaagtactc ttccagaaga tttctagann ttgaaaaatt 120
ccttcagcan acagngtggc gacaaggngc cngggatgan nangagcacc actaactccc 180
tnaggtgcta nacacacata atgggaagcc aacatttatg gaagaagttc tagaacacct 240
tcctggaaaa acacangatg aagtcaacag catgaaaant ggtatcaaaa gttctggctc 300
tagaagaaaag aaanncagag tcaattnana tntggnaaac tnnaaagcag cncaannngg 360
aggaaatttc caagtcaaag gaannngctg acaacacacc tgtgcttatn tcatancnna 420
cangaggatt ancaanngca ancagaggaa cantgatgag actcaganat nggcatgttg 480
aagctaggaa gaaacagaan agnntagaan tgtcaatgaa atgngcttcc ccattnaaan 540
acgaaganga gaaagngana naacatgaca aagancgcca gngccagttt angttnaaan 600
tactactnga aagttntacc cagcnacatg aaagaacagg aagaattttt gaggcttgaa 660
aaggagataa agggaaaagg cagaaaaggc ataaaaaagg aaaaagctgc tgatgaaact 720
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<210> 3677
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(759)

<223> n = A,T,C or G

<400> 3677

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tggtgtcatt	agtgtgatc	aagtttacag	agttacattt	tgctttccta	accattcagt	180
caggaattaa	aatatggcat	tgtataacaa	ctgggaagaa	gctcatagtg	gatataaatt	240
agagtagata	atgggtcacc	ttgatagcct	ctgtttacat	tacttgtata	tgggcaaaat	300
aattattacc	tatacgtgta	tttaagctta	attttcatat	aaacagtatt	tttaatctat	360
gttaaaatag	ataatatcta	aaagtgtgat	ctctaggtag	tccttagttt	attagtactg	420
tcttcaaaaa	gattttttaa	taggtccggc	acggtggctc	atgcctgtaa	tcccagcact	480
ttgggaggct	gaggcgggcg	aatcacctga	ggtcaggagt	tcgagatcag	cctggccaac	540
atggtgaaac	cctgtctcaa	ctaaaaatat	aaaaattagc	cgggcgtggt	ggcangcgcc	600
tgtaatccca	gctactcggg	anctgangc	aggagaatca	cttgacccaa	ngggcagaag	660
ctgcagttag	nccaagatcg	catcatttgc	actccagcct	angggacaaa	gacgcgagac	720
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<210> 3678

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(762)

<223> n = A,T,C or G

<400> 3678

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ggggactgag	tacacagatg	aagacacaga	agcatagaga	ggataagtaa	tcactagcaa	180
gtggaagaac	cgggattcag	atccagaaca	ggctgactcc	agagtcactg	gctgtcatgt	240
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gagccaggaa	gaggtagagg	tggcaggaat	taaactttgt	aaagccatgt	ccctgggttc	360
agtgactttc	acagatgtgg	ccatagactt	ttcccaagat	gaatgggagt	ggctgaatcc	420
tgctcagaga	agtttgtaca	agaaggtgat	gttagaaaac	tacaggaacc	tagtttcagt	480
gggtctttgc	atttctaacc	cagatgtgat	ctccttactg	gagcaagaga	aagacccttg	540
ggtgataaaa	ggagggatga	acagaggcct	gtgccagat	atcctgaaaa	tgcccatcag	600
taagttgaac	aagaagaacg	ggagctttta	gaacaagatt	caagatgaaa	caacacaagt	660
gttgaatatt	ttataaatag	ctaaaggcag	aaaacgttgc	caattatctc	agacttnnag	720
aagtgaaaac	aaacaaacaa	acaactnaag	tcttaattga	at		762

<210> 3679

<211> 788

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(788)

<223> n = A,T,C or G

<400> 3679

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cagagaaaag	taggcagaga	aaggcagttt	aggaggtgac	acaagagggg	agcctaagga	120
gagagaactg	gatggagctt	cccaggtgat	gacaggggtg	aactccaggg	ctatacccag	180

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ctgagcaagg agagctttgc ctcttcagga gactggaagt tggggaagac tccaacaggc 240
ttgtgggtcag aagctcagga gactgggaag gaaaagtga tttctgagga gtcctagttc 300
atttcattaa tttgttcaat tctttaacgt atgtttatta tggacctact atgttgccag 360
acgctgtgct agctgttagg gacacaatga tgaacaaaat aggcatagtt ttttacccca 420
tgagagtttag aggggtgggtgg ggagagtcac taatcaaatg gcacaaacac atgtaaaatt 480
accataaagc ggggtgataca gaaaggcgac tgggtgttagg atagctaaaa aagagggatt 540
tcacctggtc aggtgggtca gggaaagctt cttagagaaa gagggacttt gggcttgatg 600
aatgaaaggt gaatttccag gcaaagaaga aaaggaggga ngcttctagg cagaaggaac 660
ttcctgtgcc atgatctctg agaaatgaaa gattaacaaa ggccaattgt aagtngaacc 720
agaattgaac ccaggaangc cccaaanttg agaanaaaaa ggcccagggc aagggccatt 780
ncntggnt 788

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<210> 3680

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (763)

<223> n = A,T,C or G

<400> 3680

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cattcaaaaa tcttgncaac cctgtgagac agatatgctc accttactga tgagtacggn 180
ggcttggaac agtaggtatg ttgnacatnt tacacagctn gtnactgnaa gantcnnnt 240
catatactcc cagattcaga actttaata accccatgct accttctagg gaaagcttct 300
gctatgtgtt tggagggtna ggtgaganaa agngaatnn taatctncca acatgctcac 360
tcctttttcc tgctctgtgg gggatgtaag tgaataaccc cagtgtgtg gtgcactcgt 420
taatcttgta gcantgacan gtggaatgtg ggtctgcagg tggccttggg atggtgggga 480
taactatgtg ccttcacctg tccctacaca ggcatacctt ccagcttgog tttgctttcg 540
acatgtntgg gcaagngtga attgcctctg ctntctctgga gagatgggccc ctgtggctgc 600
tntgggaaga acatcaaatt ttgcgtncat ttacatatgg catnctgtgn ntntggaatc 660
tatgcatttn gtgttccctg gcttcaaagt tngtaacnne tgggttnaga gccaacccc 720
ctacttgtgt accaaaggaa gnggcttang gaanaatggc ttt 763

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<210> 3681

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (770)

<223> n = A,T,C or G

<400> 3681

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gagaactagt ctcgagtttt tgacagataa tagccaccct aggaggtgtg aagtgggtatc 120
tcattgtggt ttccattttt tctgatgact gagaatgttg agcatctttc cctgcgtgtt 180
gtccatttgt gtatcttctt tagagaaata tctgcttacg tcctttgccc agttttaatt 240
ggattgtctt tctgttgctg agttgtcgga attggttgta catcctccat actgagtcct 300
catcagatac ctgatttgcg aatattttct tccataccat gaggttatctt ttactttct 360
taatgggtatc ctttaaagcc ccaaagtttt taattttgat aaagtccaat ttatctaaaa 420
aaaaaaaaant aaaacnnana naaatnnaaa anaaaaaaan ctngnncctt taaancnta 480

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gngngtcggt	tnctaaatc	cnnncntgat	aanatccatg	gntnanttng	nacaaaccac	540
aattnganng	cagggaaaaa	anngtttnt	tnngaaatt	ngnnanctnt	tnncttaatt	600
tgancattt	ataagctgc	antaancang	ttaccancnc	caattgcttt	catttaangt	660
tnaaggttca	aggggnaggt	tnnggangtt	ttnaantncg	gggccgaggg	cncnaaatgc	720
attgggcccg	gncccaantt	tngncccntt	nanngngggg	taaattgccg		770

<210> 3682

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3682

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ctataaaagt	cttccattac	agaacaccta	cacatcagga	gctcaaaaac	agatatattc	180
tttaaatgtc	tagccaacat	tttggaaaag	tgtgggaaat	ccctcagggc	caaaaccaga	240
gggagttgga	caccagagtg	ataagcagac	actgaaggca	aggccaacct	cagggtcttg	300
ctcaatattc	tagaacttta	cccttgttct	caagtctccg	tgtggacagg	ggatgagggg	360
tacctggttt	ctgctccttt	gactatggca	tagactctgt	agatgtctgt	aattgaccgg	420
gaggatgtga	gatgactgta	tcaagttatc	ctcctgaccg	ggcgagtggt	ttcatgcctg	480
taatcccagc	actttgggag	gtcaagacaa	ggaaggaggt	gagctgacag	atgtgctgga	540
agagcacaag	gaacccacca	gtcaggcatg	atctcggaga	gggcgcttgt	ttgggggtta	600
ctcagtgaga	cctgggaagg	anagaaggga	ccttttctgc	angacggtgg	cctggagaag	660
aagctctttt	tccactgaaa	caggaggaat	ggcggggaag	gatgaatgga	tatgtgtatt	720
aattatctat	tgctgcatga	caaatacggg	tcactcaagt	ccaggagtgt	gagat	775

<210> 3683

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (774)

<223> n = A,T,C or G

<400> 3683

ttccaaatac	catttnangc	cttnttgcag	gtccccatcg	attcgaattc	ggcacgaggg	60
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cagagtgtcg	ggattacagg	tgtaaaactac	tgctcctgnc	ctgnaatcca	ttttatnatg	180
ggaagcacan	ttacntagct	aatacttggg	ggcangagct	naagtnanna	ttgcatcnnc	240
antaatnntt	agaatgaata	tanattgaag	tcttggggta	tcccggcatg	attatgtcag	300
atgaaattat	gtgatatgca	naaggaaggc	ctcctgcact	tcatgnetnc	agctnantnc	360
tacananggn	caagggnena	tgannaatnn	ggangagggg	tncttgantn	gaatanatna	420
tnntnctc	agnttaaaagc	ctgtaatccc	ancacttttg	gaaggccgag	gcaggaggat	480
cacctgaggt	caggagtttg	agaccagctt	ggccaacatg	gcgaaccat	ctctactaaa	540
agtncaaaaa	ttatctgggt	gtggtggtgg	gcacctgtaa	tcacagctac	tcaagtactg	600
angcagaaga	atcanttgaa	cccaggangc	anangttgca	ntgaacccga	gatcacacca	660
ctgnactcca	ncctgggtga	ccaagaatga	aactcccgtc	tcaaaaaaaa	nannnnnaaa	720
aaacttcgaa	ccttttagaa	ctntnnttga	gtcntntttc	cntnnaaccn	nanc	774

<210> 3684
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(755)
 <223> n = A,T,C or G

<400> 3684

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gaactccgac	cgtggcaggt	gagggttctg	cacttagctg	gctgtcttca	tgtgggccga	180
ttctgtggtt	agtgattctg	atctctcatc	tgaaaagtgg	tgcatacact	agccccctcc	240
acacttggag	ggttctacta	gtgtgcctgc	gtggctgggt	tctgcacact	cagctacttt	300
agtttcttta	gtctatcctt	aaaaagattc	ctagggtgtg	tcctgatttt	gaggttccgt	360
ttgggtcatta	tgctctttca	gagttcatct	tttaaaatca	gtctgtggac	atcttttttt	420
tcctcttagc	acagttttatg	gtctcatgca	ggccaacaaa	ttgggactct	gaatgtgagt	480
gtgtgtgtcc	acacaccact	agggcttatt	accttattgt	caatgttatc	ttaagaaaaa	540
gtggaggctg	ggtgcagtgg	ctcatgcctg	taatcccagc	actctcagag	gctgagatgg	600
aaggatgctt	gagcccagna	gtttgagacc	agcctgagca	acaaagcaag	actcctgcct	660
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aatccagaca	tgatagatcc	attgatgagt	ttggg			755

<210> 3685
 <211> 889
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(889)
 <223> n = A,T,C or G

<400> 3685

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catttactgg	tgagacaatg	agaaaaagac	accctcaaac	actgttggtg	gaacacaaat	180
tgtaaaaatc	tttctaggag	tcattttcaa	attatgtatc	aatgacctaa	aaatatttat	240
gtctcctgtt	cttatacttc	cagaaatcta	ttctacagta	ataaccggag	ataaaaaact	300
ttacatatata	acatgattta	ttatactgaa	aagtcaaaac	aacataaata	ttaaaaatag	360
gagggtggnan	atttcacctt	taaagtctat	gtaggagaat	acttaaggga	ttggtnaagn	420
ccaatagttt	tngtattang	tggaaaatgc	cngaattgga	tgaatgntgt	acaaananag	480
cnntcatnnn	ttgccactct	tngtcataac	cncntcgctc	ttcnatgcat	nccccattat	540
tacaaactgt	tcnncnnanac	tcnncnttca	ccangnetcc	ngcnntnncn	annnecganen	600
tctnctccn	cancnnnccc	ccgtctnctc	nttctcnnca	acctngetcn	ccccncacnc	660
ccnactcccc	ccncttact	ttnncccacc	natecncgnc	acnctntnnc	ttcnnnecatn	720
ntnccccnnc	ctactcncn	nntagcnetc	cncnttccca	cactttnctc	nnntctgnnc	780
cntccttctn	tctccttac	tacataaccn	ncnctcttct	catctctctc	ttctctctca	840
cnnaccccat	ccnncnnnn	ctcttctctc	cttannctct	cactancct		889

<210> 3686
 <211> 763
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (763)
 <223> n = A,T,C or G

<400> 3686
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 gtctataggt gtgtctttct tatagcaatc ctgcactcac ataaaaactg ttttttcaat 180
 ataagatcaa aatgtatttc acaaaaaatg catctttata tttgtttaca tttctcctga 240
 ctgaatggtg ccatgtacag tctgtgtaag ttatagaaaa cgtttgccaa ctcgtagtct 300
 accattttgt tttttgtttt ctatttgttt cgtctgttct ttactgcttt gttttccctt 360
 tcctgccttc ttctggatta attgagtatt ttggtaatcc tttttaatct cctcttttgg 420
 attttttagc tatacttacc tgtttttgtt tttgtttttt aaggcggttg taggaaataa 480
 tgtatgcac cttaccttat taaagtctat tttgaaatac tgttacactg cttcatgtaa 540
 cttacaatat gaacctcaca acagtatagt tcattttccc atcccagtat attttacttc 600
 tttgttataa accccatctc tactaaaaat acaaaaatta actgggtgcc agtgggtgccc 660
 atgectgtag tcccactacn ttgggangct gangcaggag aattgcttga accctgngag 720
 gcnnangttg cagtgaagtcn agacgcacca ctgcactcca ccc 763

<210> 3687
 <211> 829
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (829)
 <223> n = A,T,C or G

<400> 3687
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 agcttaacat aacctatgag agtggacagg tgtatgtaaa tgacttacct gtaaatagtg 120
 gtgtaacccg aataagctgt cagactttga tagtgaagaa tgaaaatctt gaaaatttgg 180
 aggaaaaaga atattttgga attgtcagtg taaggatttt agttcatgag tggcctatga 240
 catctggttc cagtttgcaa ctaattgtca ttcaagaaga ggtagtagag attgatggaa 300
 aacaagtca gcaaaaggat gtcactgaaa ttgatattnt agttaagaac cggggagtac 360
 tcagacattc aaactatacc ctccctttgg aagaaagcat gctctactct atttctcgag 420
 acagtacat tttatttacc cttcctaacc tctccaaaaa ananagtgtt agttcactgc 480
 aaaccactan ccannatctt atcacgaatg tggaaaccac tgtngatgaa gatgttntac 540
 ctggcaagtt accngaaacc tcctctcaga gcananccgc catcttcata taangcnang 600
 tgntaattgg atgggaanaa gctncaanaa gatectgngt tnnngnctgg agcaaccnnt 660
 ttacccccgc atttctttc tanttnttag aacntccatc ggttggnntn ggcaattncc 720
 ncggaanncn gcntnttgcg gncanctnan cccntnttta aaangttgtn nttctncccc 780
 canttttntc tgnaaatccc tacanggcta attccttcaa ngcttcnct 829

<210> 3688
 <211> 767
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (767)
 <223> n = A,T,C or G

<400> 3688

tnctaagtct	gggcttgntg	gcttgccgca	gganccctcg	attcgaattc	ggcacgagat	60
agagaggaaac	aaagataaga	atgacagcag	atgtgtggtc	agaaattatt	caaggcagaa	120
gacagtagaa	ctgaaaaaga	aagtaggtca	atctagaatt	ctatacccaa	cacaaatc	180
cttcaaaaat	gaaggtgaaa	taaactctt	ttgatggaca	aactgaagtt	gagagaattc	240
gtaaccagca	gacctgtagt	acaaaaaatg	ttgaggcaag	tttttttaggc	agaagaaaaa	300
tgatactaga	tagaaatttg	ggctgcacaa	aggagtgaag	aggcttccaa	atggtaaatt	360
atatggaaac	atatgaaagt	tatcttttct	catttttaat	ctctttgaga	aactgcttaa	420
agcaaaaata	taaacaaggt	actttggagt	ttagaacata	catagaagca	aaatgtatga	480
caaaaaatac	taaagtttagc	caggagtagt	ggtgtgtgcc	tgtagtccca	gctgtttgtg	540
aggctgagat	gggaggatca	tttgagcgag	cctgagaggt	cgaagctgca	gtgagctgtg	600
atggtgtcac	tcactccagc	ctgggcgaca	gagtgtgacc	ttgtcttgaa	aaaaaaaaaa	660
aaaaaaactc	ggcctctana	ctatagttag	tcgtattacg	tagatccaga	catgataaga	720
tcattgatga	gttttgacaa	acccactgga	atgcagtga	aaaatgc		767

<210> 3689

<211> 986

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (986)

<223> n = A,T,C or G

<400> 3689

acttatnttg	ggncctaantg	gnnggccaaa	aaaaaggntg	gggagcatgg	cttagntgg	60
atcntgagan	taatnatgag	atctacnctg	aaatgactta	acctanaatt	aatgtgtggn	120
cagnntgnaa	tatgtgaaat	tnnggcntta	ncnctctttt	ggcnntataa	aaatctnnna	180
ttaaaaaaca	tgncattnga	attgaacatg	tgcntaaccn	ctgaantatn	tctganaaac	240
cctaggtnc	gtggcatatg	ngatgaatnc	canngacnna	tnnaaccnca	tnntacatan	300
nntcacngcn	tatnnaacat	caannatgct	tgngnaaagg	gntannantn	cncaacgact	360
nttgtttng	agcanctntc	ttngntagac	cttntnaccn	ncnanggnntn	ctcttaacnn	420
gntgatnntt	nactcatcnt	tcnctttctt	tcctattctn	nnnttccaaa	gtttccncnc	480
nnaagnnann	atgaatnnt	ngtgnacnnc	cacccctnatn	attntanata	nncgnatgtg	540
aaatntaata	canntccnnc	tnnccctnan	nnaatnccat	nncatctnan	taaaantata	600
ncantnnent	tnctnaccnc	nnaaagatte	aaantctgct	ncccttnttn	ncnatatact	660
ctnnatannn	atannccgaa	attntcancn	ttctantnnt	nacntancaa	aactcnctat	720
agnaccctca	catnccctng	acacnatnat	nnccaanaac	ctntaatcgg	annnnacntn	780
tctgaatnnc	tcnactcct	nttataccnt	ntnntcattn	taactctatc	atctngmant	840
angnccatct	ccctcanatc	taaacanntt	ntngcnctcn	nntagnggag	antgtctctn	900
tacgnctnan	aanggtctct	cngatcntcn	naataactnt	atagagacta	tacnctcatn	960
attgtctaca	ntatctacaa	cacnng				986

<210> 3690

<211> 847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (847)

<223> n = A,T,C or G

<400> 3690

cnntattanng	tagctggatg	ctggcctaaa	nanaaggctg	nggcnaattc	ggcacgaggn	60
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agcttgtggg	nnagacnanc	aanggtgcat	gangaanaaa	acnnaattca	ntaagccngn	120
naggnacagc	ccatagtctn	ctcgattngt	acaatcaagg	cggacatttn	ctggntatgt	180
ggannagagg	ttaattggcn	gnctatgant	ggnnnagcct	aaanttgnngn	ntacntgnat	240
nnnntnatnt	gcnnanaaan	gcatnngant	tanagntncc	aaaagntntg	aaccnaagga	300
ctanagnaac	anacnnntna	tngcctggtn	ntcagtnata	ncnacaccnc	acaggggacn	360
ngatnttncc	cngnanttn	nacaggtctc	nnnanctggg	actcaagncn	ncccatcatg	420
caatnncttc	anannaactt	gtgacttgca	ntnnnatact	anacttnan	tccttntta	480
cattcctcaa	atgcncact	ccncttttct	taattccnat	tatnnaactnn	ntnnncnngc	540
ttattggnc	actnntanca	tnenggnann	nccaactaan	cnnattntn	gannttgata	600
ttggngcctt	aacnaacana	ncgtnnntat	cgctnngtca	ccantctcac	tcattnatca	660
annacnnnng	cnnantnat	tctcnatcna	nnnnanttt	gctanantnn	nctttcccn	720
cnttnanttn	ctannaaacc	ccctntcnnn	ggcnccaatn	gnaaantngn	accnnnncnn	780
tctnnanggg	ntnactnggc	cncatacctc	ctgngcaanc	tntnaannng	canactnctn	840
ntcncct						847

<210> 3691

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3691

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tgattcagga	cctcctcctt	acctacgagc	accctgggag	ggactgacta	atggcccagg	120
gacacacagt	catectctgc	aggcaacagt	caggcttcta	cttgctgaag	ccgtcaaggg	180
cttgactgtc	acactcagt	ttctggaaaa	caaatcagta	aagcaattta	gaggatcttt	240
tgcaaatcag	agaaaaagaa	tcaatacaag	gcgaaagaat	tctgatcagc	actttaaaac	300
gtgcttatca	gaaacttttc	ttctctcttt	taagctttgg	ttctaactga	gaaatgcact	360
ggataatagg	taacctctcc	cagaagaaca	tggacttcat	catttcacca	gattcacttg	420
ttccctttta	ggcccagcca	ataaaagtat	atgggtatctt	caagctctga	tttcctaata	480
tcagagataa	aaagccatgg	gaacgcagag	acttgggtgaa	tttgtaaaaa	tcacaaaaga	540
aaggccagtc	atgacggctc	acgcctgtaa	tcccggcact	ttgggagggc	aaggcagaag	600
gatcacttga	gcccaggaat	tttgagacca	gcttgagcaa	catggtgaaa	ccccatcttt	660
taccaaaaag	ataaattatc	tggacatggg	ggtgcnagcc	tgtantncca	gcaacttggg	720
aaggtgangt	aggaggatca	cttgagcctg	ggangtggaa	ggtcccgggtg	agccc	775

<210> 3692

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (785)

<223> n = A,T,C or G

<400> 3692

agnnnttcta	atcnnntttc	aaatcgctng	gctactngtt	ctttttgcag	gatcccatcg	60
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ctagcagtgc	gcaagacctc	ccgcgagaca	ggtgttgttt	ttaatgcca	tctcacagat	180
gaggaaaaga	tctcaaagta	ccttgattat	ttacccaaag	ttcccgaccc	aggcctttta	240
aactttttat	gcatgcaccg	cctcttgacc	acatcagaca	atcaccacaa	aacgatgggc	300

tgacagttac	tagagggtta	gtaacttata	tttaaaaggg	ccaggtagta	aatatttttag	360
gctttgtggc	caaaagtctc	taccacacct	actcaactct	gtcacgctag	cacaaaacag	420
ccacacacaa	aaaccaaatt	gggcagctga	aaaaaaaaaa	ataataatta	cttaatgaan	480
aaanaaanna	nacnanttga	nnnttcttnn	tttttnatnc	natnatcccc	tctgtgnatn	540
natccnttna	tgtagcttgt	gacaagnncn	ntncttnaaa	ncatcnnnat	aaaaannncn	600
nctnnnttnt	tnaaaaacct	tnnatcctct	tncanttntt	tggnnganat	ntttnancng	660
tntaaaanna	nttttttcaa	aaannnatnt	tnaanaanta	taagtcccnng	tttttttngn	720
tttcgggnnn	ngggttttta	annngggnncn	tnngtcccaa	nnctttgggn	nccnaaccnn	780
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<210> 3693

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 3693

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actctgccac	ctcccactac	tcagctcact	catacttcct	gccatctttc	atcttcccaa	180
taagtataatc	attatggnta	cattagatgc	agggtttaca	ttattatgac	catgtaaatg	240
ctattttctaa	ctgagccatg	tagtatactc	tgatnacttt	nnctttcttg	cncaactttg	300
nctntnctat	ggatngctac	ttatccatat	tgcttatntg	ctaagctttc	tgtatactta	360
tcattgncta	tgnntntgat	ctccaaattn	tcctncagggt	gcctgaattt	cctctnggna	420
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ttggnctgca	ctnaaatng	gtggagcaca	tgcaatanta	ngntcctgag	gtatggtgaa	660
tgggaggcac	atnattgagg	tctngcanac	tgaaatgggt	ttacaggagn	ggcaaaccat	720
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<210> 3694

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(799)

<223> n = A,T,C or G

<400> 3694

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ctgcagtgcg	tttgtggtga	ctggcgctct	gctgattatg	ttcagtctca	acctgcacat	180
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ccttttcttt	attgcttcaa	tcgtactggc	tgctttaaac	catagagccc	ggagcagaaa	300
ttgtgccccg	tgatatttgg	cttcttggcg	actgcggcat	atgcagtga	cacattcctg	360
gcagtgcaga	aatggagagt	caanccgtcc	gccancanaa	gcaccaatga	ctacattcga	420
gcccgcacgg	agtccangga	tgtggacaag	tccgcctgag	atncancgcc	tggacacgct	480
ttttctggta	angaccgctg	ggattgaaca	gaacttccgg	taaataangg	ccccgtcggc	540
aagacagcat	actgctgtca	caaagtgcna	acacctggaa	aagaaagaca	agtgtcactg	600

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gcctaaccat ggtccccact tctgtcatte acacaagttt taagtgggtc ttgccaccan 660
aaatcctctt ttgctanggt actccggaat tgcttccctg nggctttnat cttaaatact 720
taaccatggg annaagactt tcaagaagan tcaatcttta attccttccc tcaattgggt 780
aaaatttttc ttaaaaaaa 799
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<210> 3695

<211> 876

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(876)

<223> n = A,T,C or G

<400> 3695

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tatagagagc tacaacaatg cccaaaagaa aggttcgagg tcaaggatgat atgaggcagg 180
agccaaagag aagatctgcc aggttgtctg ctatgcttgt gccagttaca ccagaagtga 240
agcctaaaag aacatcaagt tcaaggaaaa tgaagacaaa aagtgatatg atggaagaaa 300
acatagatac aagtgcccaa gcagttgctg aaaccaagca agaagcagtt gttgaagaag 360
actacaatga aaatgctaaa aatggagaag ccaaaattac agaggcacca gcttctgaaa 420
aagaaattgt ggaagtaaaa gaagaaaata ttgaagatgc cacagaaaag ggaggagaaa 480
agaaagaagc agtggcagca gaagtaaaaa atgaagaaga agatcagaaa gaagatgaag 540
aagatcaaaa cgaagagaaa ggggaagctg gaaaagaaga caaagatgaa aaaggggaag 600
aagatggaaa agaggataaa aatggaaatg agaaaggaga agatgcaaaa gagaaagaag 660
atggaaaaaa aggtgaagac ggaaaaggaa atggagaaga tgggaaaaan nnaaaaanan 720
nnnnnnnnnn nnnnnnnnaa aaaaaaagcc tnttagaact tttaggggag tccgtatttc 780
cgtagaatcc ngnacntgga taaggatccc ttggatgnag ttttggacaa aaccccaact 840
tggaaatgcc nttgaaaaaa aatgcttttn ttttnt 876
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<210> 3696

<211> 876

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(876)

<223> n = A,T,C or G

<400> 3696

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tatagagagc tacaacaatg cccaaaagaa aggttcgagg tcaaggatgat atgaggcagg 180
agccaaagag aagatctgcc aggttgtctg ctatgcttgt gccagttaca ccagaagtga 240
agcctaaaag aacatcaagt tcaaggaaaa tgaagacaaa aagtgatatg atggaagaaa 300
acatagatac aagtgcccaa gcagttgctg aaaccaagca agaagcagtt gttgaagaag 360
actacaatga aaatgctaaa aatggagaag ccaaaattac agaggcacca gcttctgaaa 420
aagaaattgt ggaagtaaaa gaagaaaata ttgaagatgc cacagaaaag ggaggagaaa 480
agaaagaagc agtggcagca gaagtaaaaa atgaagaaga agatcagaaa gaagatgaag 540
aagatcaaaa cgaagagaaa ggggaagctg gaaaagaaga caaagatgaa aaaggggaag 600
aagatggaaa agaggataaa aatggaaatg agaaaggaga agatgcaaaa gagaaagaag 660
atggaaaaaa aggtgaagac ggaaaaggaa atggagaaga tgggaaaaan nnaaaaanan 720
nnnnnnnnnn nnnnnnnnaa aaaaaaagcc tnttagaact tttaggggag tccgtatttc 780
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cgtagaatcc ngnacntgga taaggatccc ttggatgnag ttttggacaa aaccccaact 840
 tggaaatgcc nttgaaaaaa aatgcttttn tttnt 876

<210> 3697

<211> 1151

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1151)

<223> n = A,T,C or G

<400> 3697

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tccanaccctt	tctgctgtgg	ggagcaaggg	ccctggctgt	ctactggctg	ctggctctgc	180
tntcggtctt	ggctctggcc	ttgctgggcn	gatcctgtgg	ggctgaanct	tgtcatttta	240
cttgccgnt	ttcttgccc	tgatgaagtn	ngtgccccga	aaccttttta	ncccgggccc	300
tgggttaattc	tggncctttg	gttgaatcct	cttaananca	ctgcttatan	cccngnttta	360
aannggnttt	nccaaaacct	ctttnggggg	tnnaaaaatt	ttataggcca	aaatgnntnn	420
caaanggtctt	tttnaaacnc	ccncttttgt	aanggaacn	tttagncntt	nngnccccnt	480
aaangnccaa	antcggnncc	anaaaggggg	ggccccncca	aaaanttggn	aatgnaaagn	540
aaanttaaaa	cccgatntn	gcncccaaaa	aaaaaccggn	ccaatnngtt	tcattaaccc	600
nnaaaaaaa	acntttaaaa	cctgngnttt	tntnngnggc	cccaattttc	taaaaacct	660
tntcctttgc	ccaaaaacnc	cccccttggg	gncccttntt	tttnaathtt	ggnccccctt	720
ggggmctntt	ttttngaaaa	aacctttttt	aaagnaaaaa	caaatttttg	gaatnnccn	780
ttttgcccn	gnnanaaant	ccccccaan	antttttagg	ncccccaagg	naagggnaaa	840
aaaccnctc	cgggaaaaaa	gggnaacccc	caanttttnc	ccccccctn	tgggcctttg	900
ggttancccn	tttttgccgg	ggggnncccc	ttggggnnnn	ttttttntnt	aaangggggg	960
ttccttcttt	gggnccctcn	gggggggggt	tttnggggct	ntttntntnt	tttaaaaacc	1020
cccctttttt	atnntntggg	ngttttcnnc	aaaaaccttt	ggggcccttt	aaacccaagg	1080
gggaaaaagg	tttttgaaa	aagggggggc	cttatcnctt	tttnggggct	tntttgggna	1140
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<210> 3698

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 3698

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ctcactgtgg	agcttgccca	ggatctgcta	gccaacccac	ccgacctcaa	ggtagagccc	180
gcccctgcca	agggcaagaa	gaacaaggta	tccacgagcc	cgtcagacct	gggtggctac	240
caacaccctg	agcaaggcgg	ccttctctgt	gacagtgtga	antgagcggt	cagagcacca	300
caacctggcc	ttccgagttg	gcatgtttgc	cttgagctn	canangcctt	cancttntac	360
aaggmcttgg	aagtgaact	tgcattccan	gaatctgaag	tggctgncct	gctcaaagaa	420
gatccctctg	ggtccaaatg	agatgagtac	catgccgtgc	cgggcanang	aacttcggga	480
ggggacactt	ctgtgactat	cggctgtgtt	gnctctcatg	ctggccagtt	catctttgac	540
gtctctgtgc	tccaagtatg	atgcctgacc	ctacagtaag	tggggaactg	gggtangggg	600

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agctttctnt taanaaagan cnaagacccc aagtttctga atcaccttta ggaccatcag 660
caacttcacg ggttnccggc cccaagtcgc aactggaaca ncgagacacc ttggggataa 720
gaancttgga tttnaacaca nnttgcttgc cttgggcatg aaaa 764

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<210> 3699

<211> 867

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(867)

<223> n = A,T,C or G

<400> 3699

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atgcatttca gaaacaaaat attaacgtaa acagaaaaaa gagaaagcaa tcatgacaaa 180
gcctaagagg gctagtggaa tgctagaatg aactcattta ccttcctttg atatttangg 240
gctctattgc ctgctaattt catcactgnt atttttttta cctcttatct tttccctgt 300
agttattatc agcctaatat tcattcattc attcatttac cttgagtttt taagcttggt 360
cnaaaaccaa caaggttggg gccnagttt ncnagaatgn ngtncccna cnttggnaag 420
taaacntggg ttangggaaa aaangtnncc ancttggccc ttttaaaga caccaangtt 480
ttaccncat tccatggggt tcaatgggga aggaaaaacn aaaggggant ttattttgna 540
aaaaactgtt gccaagattc ccgaaagggg agccccctng aaagctttta aacnccaa 600
nnaanccttn cnagaccctt ttggcctttt aaatnccctt tttaaaaagg cccccantn 660
agggaaaaaa ttcccagant gaatggggtt accnggtctt gacctttang gaacatgtan 720
gcttgmcttg ccnatgttc ccnaacatt nggtccctt ttacaatgnc cttantacat 780
taatngngg gccctcatt ttnaatttt aaaaaattt attttancct tttaaaaaat 840
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<210> 3700

<211> 935

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(935)

<223> n = A,T,C or G

<400> 3700

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tccagatagt ggttcttttc agaacccttt taaaagggtt ggggttaacta cctcagtagc 180
agaggattga actataccct gtctgtactg tacatagaaa atctttgtag ataaaagcaa 240
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gcctttagtt tcanaggctt gtaagacttc ctcatgaccn tnattacagg ccttgctttt 360
ggccgnatgt tggggctgaa aaagcaccct tgcttcttca ganattgnag ntatttggat 420
gtataatagt ttanccagat ggtacttttg gtaagacatc agatgttcaa aaaagtgcac 480
tccaacttgt ctaaatactg cagtgtcccc tttataaaaa ggtcagacct aaaactggcc 540
aatgtgtac anccggaanc cctggncatt ttgggatatt tttggaaagg tttttttcca 600
ttaaaattca tttgggaaaa tttaggtaat tattngggct tggtaaagg tttaaaccct 660
tttttttaag gggtnaaaaa angggtattn gggtttccaa ttttaagtng gccattttcc 720
ttttcccttg gcttgggnat tccacctggg tnaaaaacca ttggttggga aaatccnaag 780
ccttttttnc caaattttcc ctttaatggc ccanggggtc caattggaat naaacctttg 840

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ggtaaaaaag gtttnnaagt ttcccaaatt ccatttttgg nggccttaat ggggtttttt 900
 taaaaatttt tccttnaaaa gccnnccct ttggt 935

<210> 3701

<211> 977

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(977)

<223> n = A,T,C or G

<400> 3701

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agatgaaata	catttagcac	ttggtaagca	ctctataaat	atggcaatat	gatagtcctt	180
gactcatctt	cctctctgnt	gccctttaaa	caggtgagca	cctagccttg	ttggttttat	240
gtgctcaaca	gcagttggac	ttccctggg	ctctctacc	catgctactg	cgtagtcaan	300
ccctccataa	anctnctctc	tggmctctgg	ttcccanatg	gnctttggcc	tttctttttt	360
ccttccanc	ttaacgtttt	taaccatgcc	ccngggaatn	ttttttgaaa	angggaaact	420
gganccttng	gtncctcngg	ctttaaaaaa	ccnnccaata	aatttnttac	ccncattagn	480
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aanccttttt	tcccgggctt	tctttttcaa	taatgggtanc	aatgggtccc	aaaaggccaa	720
atttnattct	tggncctttg	gaaacctttt	tggggaaacc	aagaacttca	actttccatn	780
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ccaacaantt	ggccaaggga	aaaaaaaaaag	aagccacact	tgggggcctt	naaacctggg	900
gtngggggaa	naaacccctg	gggggtncct	cttnggggtt	tncctggggg	nccttnccca	960
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<210> 3702

<211> 932

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(932)

<223> n = A,T,C or G

<400> 3702

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taattttcat	gcttggtagt	tgatttcttt	tccatctctg	natgcatact	tcttgcacct	180
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ggcttngct	tttttngggn	ccattcnttn	atacctgggc	naaaatttaa	ggnaaattta	780

cctccagggt	tnaaaaaaat	nggncncctt	tnttggnaaa	aaagtttccc	ttgggnggggt	840
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<210> 3703

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 3703

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tggcacctga	gagtggaggt	acccaggagg	cagacaccat	aaggcgggaa	atggacatat	360
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gggtgtgggca	agccnnaccc	acccnaggct	nnagcccttt	acccacagtg	ttannaaatg	540
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gcnatgantt	cannnnccng	cttttaaatg	attggcctat	cggtttttaa	aataatgacc	660
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<210> 3704

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (805)

<223> n = A,T,C or G

<400> 3704

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cggctgaaga	ctgacactgc	ccgatcgcnt	nagaaacacc	gtaaaccatc	acggangccg	180
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aagccatcac	attccctgng	acttgnacgt	atgcacgtnt	gncctaaat	ggcctgaant	300
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caaaccctt	ttgactgaaa	ttttccatt	accttccan	atcctataaa	angggcccca	540
nccttatntc	ctctcgctga	ctcttttcng	ncttngggcc	catctgnccc	tggcgaaata	600
aacanccatg	tagttcacat	aanaanacn	tttaaaaaac	cttnganccc	tttttnnaant	660
atantggagg	cccnttttan	gggaaattcc	cgnantttgg	ataangatac	catntgtann	720
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<210> 3705
 <211> 868
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (868)
 <223> n = A,T,C or G

<400> 3705

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atggtgtgtg cccgtagtcc cacctactca ggaggctgat gcaggagaat cgcttgagcc	180
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aagactncgt cttcaaaaaa aaaaatttta aaaagatttt tcttatggng ggtttcaaaa	300
aatggttgn ttggcaacgc tnggtgcca tgggttacc ctgnntaat ccnccacttt	360
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aaattctatt tccnccgaat ttgggtgggc accgttgccc ttggtaaatt cccaancttt	540
ctttggggga angctttaag gccacggnaa aaaattggnc ntnaaanctt ctgggggctt	600
caaagccgaa ncanttncca accttcaacc ttccatatnn anttggggac tacnagggng	660
ccnccnanc ntttttctgg ctaanattta ctgantttca ngtagagnan ccanttttnn	720
ttatttttnc ccaaaannct gctnnnaaat tcntnnctnt tatgnanccn accaatatct	780
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<210> 3706
 <211> 855
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (855)
 <223> n = A,T,C or G

<400> 3706

cctagttna atngctnggc tactngttct ttttgcagga tccctcgatt cgaattcggc	60
acgaggtgaa gccacctttg tgaacagtat agtaatgtct atacttgttc aatagtttag	120
aggaggtagg agggaagaaa ttgcaaaagg taatattact agtgtgttca tacttgga	180
ttttcagaca ccatttttct atatgttttg tgcattttgt tttgctctgt atatagtata	240
tataatggac aaatagtcc aatttttcaa catctagtct ctataggtta aagaggttgc	300
cagtgtatga caaaggagta aaattagcct attttgtaca ctttgnggtt gaattcctng	360
gaaaacctgg cttctgnnaa aaaccttttn cttaggaatn tgtttngcca tctcttaacn	420
ttacaccntg ccctgtncct ntccactgga ttgaaaaggc cnataaaagga aggggagggg	480
agggaaattg atttcaaagg ccccaaatgg gccacatttt aggaaagaat accctcacna	540
tgggaataanc ccatttggtt aatgtngtgg tgccaaattt ttattttaa aagtgcctgg	600
ngtaatgggt ggtggggacc aaagtattt ntggaaaata tcctnagtnc tttcttagaa	660
tanttttggg aaaatgcctt ggatggtatt ttaaaaagt gtaagtagaa atanaccct	720
tttgaaaaat aagcctttt aaaaaacctg attgggnaaa ttcctngttt tggaaanttg	780
gaaattggtt ggaaccancc tgggaagggt ggaaggggaa gaaaatgcc atgggggttt	840
tggccattgg ttnta	855

<210> 3707
 <211> 778

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

<400> 3707
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ancnccggct cgcttctcct cttccattgc gatttgctt ctttatccag ncttnnggaa 120
tgctgatttn aaatgtmnnnt ggcacaaggc aggcgtgaaa acataaagt aataaaaatc 180
gaatgcataa gctagagcag attatccaca gattcttcca tctccatata gattatcacc 240
attgcctgca cctgttttcc ttctccagcc tatctgatgg aatgggtgctt ccatgacatg 300
tggatatttg aaggctctta gctctgatgt aatcagggtt tgacccatag tcacctgaaa 360
tagnncttct ggnnctcttt ggtctatgaa ctgaagggtc tcagaagccc gtgttatgca 420
aatacccttc catcccttc cctctcccct tgccctctatc catgttccct cagcctcagg 480
gtgcttgtag gctaagagga ttgggnctct ggcattcctgg agctgaacag ctcgngtcag 540
gaattcccca ggcccttgag nctctggggt gaggtnagg ggtgtgtagg gngctgggga 600
ttaaganctg ctgagtaggg gcttaccaga ggtatactga aggacctgaa gacagatcat 660
cttcacataa tcagcatgac cataatctgg gatggcactg agcttctttn antcnggagn 720
caaggaaatgn gcncaaagaa ngcaaaantaa tnccttttaa gcccaggat nagggaa 778

<210> 3708
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(788)
<223> n = A,T,C or G

<400> 3708
tttnnaannnc cnnntttcaa atngcnaggo taetngttct ttttgagga tcccatcgat 60
tcgagtgatt aagtctcact aggaataggg ttttctaaat tgnnttatct catcctcatt 120
agaacttcac cacatgtggg aaatcatgtg gcaaaaactgt ctctcttaa aaaaaagtca 180
ccaaggaaac ctccttctgc aatttaagaa ataaaatccc agtgacattg atttggtatg 240
tccaaacatg tccataatgg aagagctttt ccagggtttg gtttgggccc cccagaccaa 300
agctttgaca cataatacaa gctctgtaag tctgttttcc tgtctgtaat ttgggattgt 360
catctttgta ggggtgcatg gagattaagt tattcactgt agacaatgcc cctttcatgt 420
aatagattct gtcagtatta gatcttttcc tttctcttca agtttcaaac atagattagg 480
caaaatttta atggctattt cacaaaatca gcttgattct tgtttatgac atcaagtgtt 540
gtttttccag gttgtctgtt aaagggtac ttttttttt ctaaaagtgc ttttanaaat 600
tccagtgtta gtatgtatgc atcatttaag ctaagaatga agatntaaag atcacccaac 660
agtttaaagc tggattcttt tancaggcca aaggagaatt gngntttgnc tagctgnctt 720
anccgtgtcg gacttcttgg actcaagtga tcccacctgn ccttaanctc ccaaagtgcc 780
nggaggtt 788

<210> 3709
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 3709

gnnncngcctt	nagttccnca	ngcgnactct	ttgnacganc	ttatgaacag	atatggaggc	60
cagagctcat	ttgggtaaac	ttactcctgc	tgagttagca	ttttggtgag	agaagctccc	120
ctgagctcac	ctgtctctct	gactgccttg	gagtaggtgg	cataaccttg	tgacacagaga	180
actagaaaag	gggcagaacc	cgggccttgc	agttgtggca	ggtttccact	gtggttaagct	240
aggttcattc	ctcatcaagg	aatgtgtagc	agattgttca	ctgtggagga	gttaattata	300
gaatgggtta	ttgttggtat	tcttactcat	gaagttacag	attttagcca	gtctttgctt	360
ttatactttt	gtgaaattta	atttctctct	atagcacctt	cctttttcgt	tttcagttat	420
caaaagtgac	tttgacctca	taaaagagtt	gagaacatct	ctcgtgtcac	atactgcagg	480
tgcatcagtt	acttttgcac	agattctagg	gggacatttt	tctgaatagg	aagacaggac	540
aaagtttaaca	gcttaagggc	tcttaattct	gtgagttgag	gacttaaaaa	gtattgnagc	600
atttggttgg	atccatgaaa	aaatgtattc	agtgggcttt	taaaatttcc	atttgcagaa	660
tttggntctc	cangctgttt	ggggagctct	tttttttacc	attttttctc	ccttgcacct	720
atttnatggn	ggttaaagta	aanggttact				750

<210> 3710

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (895)

<223> n = A,T,C or G

<400> 3710

aanagcnnnt	cnaatngcta	ggttntcgct	ctttttgcgg	atccctcgat	tcgaattcgg	60
cacgagatta	ttataagact	aacattctga	taagccatgg	tataattaac	attattaaaa	120
tgtttacata	taatccttct	taaagtatac	tcttttaaaa	atccattggc	ataaccttac	180
ttttagttta	gtgatccaga	atttccccag	agcttaagcc	actgcagtaa	attaggtacc	240
gtaggatatt	cagtgcgtac	tagccacaag	gagtcctcct	attttaatgt	acctccctca	300
gtactttatt	cctgcagagc	gcctcagagt	gggsgagaga	aatgggcaat	cctgggacaa	360
ntggattatt	tcagcatttt	attttctaaa	atctgtagtg	tgatcccgaa	aatattttaa	420
attaaaaaaa	atactttttac	cagaagagag	gcctacctaa	tcaatgnget	ttagagaaac	480
naaaactacc	tttaccattc	aatttaacaa	ccnanaaaaa	ggtttaccgg	aaattttaac	540
aaaacatttt	ttctttatct	gaattntggg	gaggaaaata	cttaatgctg	acaccgttta	600
ataaaatttag	gaaaaaggat	ccattccccag	gaatctttat	gggaaaaaat	tgggggtttt	660
naaatttcca	agccagggtt	ggctcttttg	aagaacatng	ggtaantcct	cnttaaatgg	720
taaacttntc	taaaagggan	naggggtagg	aattnggaaa	aagggaatct	ttgggnattn	780
ttaccntta	aattaatggg	tcccaggaat	nggggtttca	agggattntt	ncanaaatta	840
aaaattnggg	tttttggtt	gggaaaaaaa	tggaaatacc	cttttttngg	ggggg	895

<210> 3711

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 3711

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naatngctag gttnanacgc tnggctctng ttctttttgc agggatccca tcgattcggt      60
cgtgactcct gtacaaggga aaataggctt ggagaagatt ggtgtcaaaa ttaatgagaa      120
gagtggaaaa atacctgtaa atgatgtgga acagaccaat gtgccatatg tctatgctgt      180
tggtgatatt ttggaggata agccagagct cactcctgtc gccatacagt caggcaagct      240
gctagctcag agactttttg gggcctcttt agaaaagata tatcatactt tgttctggcc      300
tcttgaatgg acagtagctg gcagagagaa caacacttgt tacgcaaaga taatctgcaa      360
taaattcgac catgatcggg tgataggatt tcatattctt nggaccaaac gccggtgang      420
ttaccaaggg atttgcagct gcaatgaaat gtgggctcac aaaacagcta cttgatgaca      480
ccattggaat tcaccccaaca tgtggggagg tgttcacgac tttggaaatc acaaagtcgt      540
caggactaga catcactcag aaaggctgct gaggctagcc tgctgctggt taagttctnc      600
ttgncatatt ctcatctctc tcaaagataa gaatgctctc ggatnaaatg agcctgtgct      660
catgacanct gctctggtac ttanggacca ntgcaaggct tncttaccac acttagatga      720
gaaagttnnc aanggaaaaa ggncaccaat ngggcatttt gcctt      765

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<210> 3712

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (807)

<223> n = A,T,C or G

<400> 3712

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agnctttct tacgcctnnt gaacttnttg naantcctt tttgcaggac ccatcgattc      60
gaattcggca cgaggaaaag acccatgatg taaggatgtc ttttttgggg ggtgcttggt      120
gctccttaac tggctctgga aagagcctac ttcccatagt gaacctgtg aggtccaatt      180
ctgttctccc ccttggagct ccaagagaag gtcattgcct tgtagcagca ggtgcccccc      240
caagctgggt tctcactgca ggtgccagcg ggctctcagt aggtatgacc tggatgtgag      300
tggtgaacca ggattgaggc actcagcacc ttcgaccaca ctccactct ccctgggggt      360
caagtcaggc tatggaaaag tgtcacctg tttgncatat aactggatgg gtngtaaaca      420
gaacgcctct ggcaaaggtn gaccttgaag gcaaaactga gttgagggtt gttaggacgg      480
aaataattac tgctgggcat gcaacacttc ccaaccgttc ttgtgangca agcantgtta      540
ttgncagttt ggcacaangg cacangtgta nnaacacgt aagtgccctg gggcccggtg      600
ttacaccacc cactngggtt tgaacttana atgtgaaccc aaggcccttt ttgaattccc      660
aaantcctc aatcccttca atcctaaaca agcnttgctt gccgggttan ccaaaaaagg      720
gggacctccn ggnaatntng ctcttgcan nttnttttaa anctggatnt attaatgggg      780
aaaaccanan ntanaantnt ttggtnt      807

```

<210> 3713

<211> 909

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (909)

<223> n = A,T,C or G

<400> 3713

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ttgcnatcg ctaggctctc gttctttttg caggatccct cgattcggtt ttactatgt      60
accataatgt cccattcatg agaacctagc aagtagtttt tctcattagc gaatgctaga      120
attttatttt ttttcacata gtgaaaagg gaaattgggtc tgtcttctc tttactttag      180
ctgctagtaa ggttgaaaca acgatggtgc ccaaatttaa cagttagggtg acatcttctt      240
ctacgtgtgc taagattacc cagacttcac tttaccctta tttccactg actttgatcc      300

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cttttacttg	nttttattct	gnaagtatgt	atttttgnca	tctttcagna	ctctttggna	360
tcnnaataaa	attaaattcc	cctagncttt	aaanangata	atngggtnnc	ttggnttaaa	420
nattaaaaat	naaaagtnat	ttngggcttt	natataataa	ttaagccant	aagnnatttt	480
tnggcnaaan	tccttttctt	gccanaaggg	ggcccagaac	gggnttaaat	attttttaag	540
ggtggtttnc	caagggccaa	ggtggaatcc	tcttgggttg	gcaaacttaa	ccttcaagcc	600
ttcttggccg	gttccgttaa	antggangga	aaaaggccag	gccccttnng	gacccaatgg	660
gccattttaa	ggcccaaaat	gggggggttn	ttggaacttg	gggggttttc	ccaanttaaa	720
aaaccttttt	aattttttnc	naaaaaancc	aatggggctt	accatttttg	acttttttng	780
tggttngtaa	ttttggcctt	acccccccaa	aaanaaanaa	anannnnmct	tcctatattn	840
actnnnanac	tttcantnan	caaaaaaaaa	cntgggcctt	tttanaactt	tngngggnc	900
tntnctan						909

<210> 3714

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (752)

<223> n = A,T,C or G

<400> 3714

aaatnnnagc	tacttgttct	ttttgcagga	tccctcgatt	cgaattcggc	acgaggagcc	60
atggcagaaa	atcagtgatg	tcattgagga	ctctgtagtt	gaagattata	attcagtggg	120
taaaactacc	acagtttctg	tgagccagca	gccagtctcg	gctccagtgc	ccatcgctgc	180
ccatgcttct	gttgctgggc	acctctctac	atccaccacc	gttagtagca	gcggggcaca	240
gaacagcgac	agtacaaaga	agactcttgt	cacactaatt	gccaacaaca	atgctggcaa	300
tcctttggtc	cagcaagggtg	gacagccact	catectgacc	cagaatccag	ccccaggtct	360
gggcacaatg	gttactcaac	cagtattgag	gcctgttcag	gtcatgcaga	atgccaatca	420
tgtgactagt	tccctgttgg	cctcacaacc	aatatattatc	actacgcagg	gatttcctgt	480
aaggaatgtc	cggcctgtac	aaaatgcaat	gaatcagggt	gggattgtgc	tgaacgtaca	540
gcaaggccaa	acggttagac	caattacact	agttncagcc	ccangtacc	agtttggtta	600
acccgacagt	tggagtttca	caagtgttct	tccagatgac	ccctgtgang	ccaggcttca	660
ccatgcttct	gaggccacc	acaaacacc	ttnaccacc	tcattccrgg	ccatcttacc	720
attcgnaagc	aaccgtccca	aagtcaccgt	ct			752

<210> 3715

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (960)

<223> n = A,T,C or G

<400> 3715

tttcaaatcg	ctnggctact	cgttcttttt	gcaggatccc	tcgattcgaa	ttcggcacga	60
ggtctcgagt	ttgttgtttt	ttgtaatccg	ttttagagtg	aattaaactc	agacatccct	120
ggattgtatg	ctgtctgtag	aatgttgatt	ttcaggcacg	gggatgtagc	tgtagaatgt	180
ggcttgggtc	ttcttctctg	taagaaattg	atctcctgaa	tggattggcc	atttggtaat	240
ttcttagtga	aaggctgact	cttgaatatg	gctgggtata	tataaattct	taccaacata	300
aaagtaaggg	cttatttggg	gcttgggtaa	aactgtcatg	ccttgganga	tatatagctt	360
ataaaattgg	cttaacntg	nattttatga	cctanctnnc	ccctgntgcc	aacntttnac	420
ttgccaaaaa	ncctgggatt	cntgtttnc	aagggnggac	cttattattt	gtggaagaaa	480

aatttggatt	nnccaagggt	aacctat	ttt	tcaanggctt	cttggctttt	tgnaat	tttt	540
cttcaatttc	accatggccn	tcctttttat	tcctnttttt	tncccttcc	caaanggggt			600
tcnnggggaa	tttancctgg	tttcccgga	aagnaaanga	angggatttn	ttccaccant			660
taaggccanc	cccaaatttt	tttaccacac	ctttccaaaa	accccgangg	aagccttacc			720
ttacctgggn	gggtnaaaaa	ttanggggtt	taaccacccc	ccaanatttg	ggaaaaatcc			780
tttttggcca	aaaaagggtt	ccnggggttc	taatttcaaa	ccggaaacca	gngnacttnt			840
ttagccnaaa	aaaggaaagg	aatccgtttc	cccattattt	gggaaccgcc	ccccatttta			900
aaatttnccc	agnnggtttc	ctttaaatgg	gaacctttgc	caaaaaggga	atatttggcc			960

<210> 3716

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (769)

<223> n = A,T,C or G

<400> 3716

ttnaaanccc	nnttncaat	cnnagctac	ttgttctttt	tgcagggatc	ccatcgattc	60
gcaaagcttg	atctattaat	atattgatca	gagttccatg	atccttttct	aaaatgggtg	120
ctttat	tttg	ccagaataat	tctgcagggt	gttttttttg	ggacggagtc	180
gcccaggata	gaatgcagag	tggcacaatc	ttggctcact	gcagctcttg	cctcccagtt	240
tcaggagaat	tgtgtgaacc	tgggaagcgg	agggtgcagt	gagccgagat	caatcaccac	300
tgcacttcac	ctgagcaaca	gggcaagact	tcactctaaa	aaaat	tttttt	360
atttactgan	aaggctctgt	actaaagggt	ttaanatttg	gntgggttn	accgctaaat	420
gtttgtanag	tctgaatctn	tggcctnggn	aaagaataat	tacangcntt	caccaagttg	480
tgaacacctc	tgggttnnga	tgaagaaa	ctttcaagct	nagaggaana	atgttctgaa	540
atatttgggg	aagtttggca	gactccttc	tcaaggggta	tgttcatttg	ggcngtgat	600
tctggaaccc	cctttgcaga	tatcttaagt	gtgtcatgaa	agtttaccac	gaacattgtg	660
agtanttgca	attaccaaag	ggaaccaatg	ttcatattac	tttccattat	ccggtctcaa	720
gnattcttnc	ngagatnctt	taccctgtgt	aaagtgaatc	ncttctct		769

<210> 3717

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (756)

<223> n = A,T,C or G

<400> 3717

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gcatgtctca	ggaagccatg	cttgtcacag	aggaatcact	ccgaggctaa	aggaacatct	120
gggcaatcct	acttgtgtac	tcattggatt	cattcagtga	ccttggtatt	atccttctag	180
ctaaatgctc	tgggtcttaa	ttcacgactc	caagggtgct	cttgatttta	aggaacattt	240
tggcagaata	gagagaagtt	gagcaaatat	taacagatgt	ccaaaggggc	agtgtgattt	300
attatgtcaa	gagaatcagt	tttatgtcga	gggaagaatt	ttggtagaaa	tcactgtatt	360
ttttggaaaa	tatcatattt	gggttttttc	attgnataag	taatacatgg	atacatgctt	420
atataagaaa	aaattcataa	tatagaaaca	taaggaggaa	aaatgagtca	tttttctccc	480
atagttcact	cctttccctc	ccctttcagt	aaccagtgtc	acacgggtgt	gtctttccag	540
acgttaaaag	cagtcataca	tatctctaaa	gggaaagttt	gcgtttgctt	gntntttctt	600
cctgnattaa	taggatttgg	gtatatatat	acncaccccg	taatatattt	tggatctgga	660

tatntaggag catatctctg ggggtgcgctt tttaaaattt tatggccaaa tcctacagct	720
tcttcatgtn acttgcttat tngatgtttc cncant	756

<210> 3718
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (766)
 <223> n = A,T,C or G

<400> 3718	
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cgaaagtgc ttagagagtg actcccagga cgaaagtgc gaggaggagg agggagacgt	120
agaaaaggaa aagaaggcgc aggaagcaga agcgcagagc gaggacgacg acgaggatac	180
agaagaggaa cagggggaag aaaaggaaaa gggagcgagc gagaaaagga gggggaagag	240
agtccgtttt gcagaagatg aagaaaagag tgaaaattcc tcggaggacg gtgacataac	300
ggataagagt ctttgtgaa gtggtgaaaa gtacatccca cctcatgtga ggcaagctga	360
ggagacagtg gacttcaaga aaaaggaaaga actanaaagg ctgaanaaac atgtaaaagg	420
tctacttaac aggttgagtg aaccaacat ggcttccatc agtgggcagc tggaggaaact	480
gtacatggcc cacagcagaa aggacatgaa tgacaccctg acctccgctc tcatgggtgc	540
ctgcgttcac tgcctcggcc atgcccaca gactgatgat ggagcatgtt ctcttagtca	600
gcacccctna ccacacagt tggaaatcgag gtcngtgccc actttcttgg aggcattggg	660
gaggaaagtt cgatgccnnt cttttnaata ccggaagcca aagggaaang anttgtnaca	720
acctgttcac cgtcattggc cattttatac aacttccgt ggttct	766

<210> 3719
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 3719	
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taatatcat agtttctgaa gatcaggatc tggatttctt ttggggcaat tattcagcta	180
accacatatt ataatgagga agcacttctt gggaggcatc ataatgcttg ttttttctt	240
tcctaaatag agtatcactt ttacccaaat ggaataactc gctgggttat tttactgagc	300
tcttgatgct catttctttg gtcttctctg tgatgaatta atgtttctat atggacatca	360
tgcacaattt ctttattcct gaagaatatt ttaaaatgnt gttattttat gttgtagt	420
gtgtaatacg gtgccagta tgcccgccaa gaatgcagac agatagacct tgtggataat	480
tattttgtga aagacacatc tgaagctcct agcagttctg atgaaaaatc agaacaggta	540
tgcttctcaa tttttcttta ttttctatc ttgatataca actgtaagta taagaaaaac	600
atgtttggat agttaagta ttttaagtggt ttctgctatg gattcctggg tcaaatagaa	660
agttaaagat agctttctta tatactctca aacttagttn aatgagacta aagctattac	720
ttaaaatgtc aaaatttggg ccagcattgg gggct	755

<210> 3720
 <211> 753
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 3720

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cgtgcaggtc cctgtgtgtt acacacatgc tgttcaggc gtgcaggtcg gtggtgttac	180
attcacactg ttgcagggtg gcagggttgt gttacacaca ttcacactgt tgcaggcttg	240
caggtcgggtg gtgttacaca cattcacact tgcaggcgtg caggtcagtgt gtgttacaca	300
cattcatgct gttgcaggca tgcaggtcgg tagtgttaca cattcatgct gttgcaggcg	360
tgcaggtcgg tgggtgtgca cattcatgct gttgcaggca tgcaggtcgg tgggtgttaca	420
ttcacgctgt tgcaggagta caggtcagtgt gtgttacaca cattcatgct gntgtgcagc	480
tatcacttcc atcttcagag ccctttcatc ttaaaactga agctctccat cacacaagt	540
acccttcagt tnccttccca gtccctgaaa aacactgttc aagggttttc ttctgggac	600
ctcatttgtt ggagttttct gtgtgantt cagtnacaca cgattggcct ttttttttc	660
gtgttgaga caaatcttat tctgccttca atctggggtg tcanaatgag accccatntn	720
aaaaaaaaa aaaaaaaaaa aacttgagcc ttt	753

<210> 3721

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 3721

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tcggcttttg ttgagacagg gttttgtctt gccgcctagg ctggagtga gtggcgtgat	180
cactgcagcc tccaactcct gggatcaagc agtcctcctg ccttggcctt ccaaagtgt	240
gggattacag gcgtgagcca ctgtgcctag cctgaatagc tcttaaatct atccactttt	300
cttctctgac acacctgaca cctagtctct gctgccctct tctccacctg gacaacctcg	360
cccaccccca agttggtttc cctcatctc ctcttgettc ctttcagtct atcttctgtc	420
ctgaggtcag aataatttgt taaaaatata aatggggtca agaattgagt ggggatggag	480
ctganctaga gatgggttg gttggggttg ggacttgat aangcatgga attggggttc	540
aactgatgta aaagntaaga ataggatttg gatgatgat aaggttgaac tggggatggc	600
ttgggggttg ggggatgggc aangccttgc ctactnacca naatttgccc tgggtgcaca	660
aagttttaac ccacacccaa cctnognata nggctggggg aacnttnaag ccantccgaa	720
tagcttaang ggcctgttg ggcntttctt gaanggggta ccagtttttt ttcct	775

<210> 3722

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 3722

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ataaacaanaa tttccttcct gaggagctag gtattccgat gtatcttcaa catagtcctg    180
aagttcatat ggcaatcgtc cttttggctt ctgaaatgca gaaggccatc cagatttcgg    240
ccaactagag gagtctgaag gaccagacaa ttgctcagaa acagaaggct gtttagaatt    300
ttctaaattc attaagggca attctggtac ttttctggaa attggcttta agagctcatc    360
ctgcattttt aaaatctctc caactggatc aaatttttta tatactcggt tgatagggtt    420
ttttaaaaca catgactctt caggactaca agcagtatta gtctgggttc ctacagaagc    480
ctgtcctgag gaagaatttg gactagctgg tctggaactt aagttagaac ccacaacagc    540
tgtctttcca tcaactattat ttttacattc tgnatcaatg attaaacact cctcatctgt    600
atcactgctg cagagaactg tatcttcagt ttttgctgct tctgatccaa cagtcttttc    660
ctttgagttg gctanggttt ctagaacatt aggnctttca ccatcagcat gtaatatatc    720
tatagncata tcatttttatt agaagttcaa tttcttgaaa t                                761

```

<210> 3723

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 3723

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acaggtagat tcattgctca ctgtcagttc tcttgctgaa gttttcctat ttttctcttg    180
atttgctgaa attccttctc cagtagttta atcaaaaggg actaaatgaa aaaaaaata    240
ttcagttgtt gcaagttcaa aaagggtttt agtctttgtg tttgattgac agctttccag    300
catataaaat tcttaggcca cactttcttt ccttgagaac ttcacagatg tcacttctgg    360
ctctagagtt aaatgccctt gtgggaaaaa cttgagctaa cttctatttt ggtacccttt    420
atgaattgat gntttcactt gactgnccaa agtctttttt atttaactgg ttcccccttt    480
cttttataat ttaagtctag ttacttttca tagaaattac ccttgggtat gcacagatttt    540
tgncattttt ccccaaagac atgggtgtgcc ctttcagttc gtagatttat cttcttttac    600
ttcaagaaaa ttttcttgga atgatattct taaatattta tgttccccta tttgagtttt    660
ctattctggg gatatatgat gggtccttg nagancttnc aaatctgnaa tttctctgna    720
atctctttac accggtcatt tcaatttcct ttgctcactt tcctcatctt ggtctcaggg    780

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<210> 3724

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 3724

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cgattcgaat tcggcacgag cctagttaaa tcacaacaag ttagtaatnn ataaatgatg    120
tgtcctgttt ctcttttagta gaaattatat ttttggctac cagttaagaa acttgtctcc    180
tttgccctt atgttactat aaactcaaga tgatgagttt tgtgggtattt gacttcatag    240
gcaaaatcaa aatttttact ttgttgctat tctgttttat gaaataaact tctgtctatg    300

```

catttgaact	aagtttcagc	aaattcaatc	taaattgaat	aattccagct	cccagtttta	360
tcctatgttg	ctcataaaac	agttccaagt	atactgcatt	atcttgagat	ttgaagatat	420
ggtgcccacg	gggattatac	taggcaaagt	cgtaagcag	ctctggccta	ggtgtgtgtg	480
atthtaagag	actctatctt	aggagagctt	aagtgattgg	gctgcaggaa	gaagacattg	540
taaccacagga	attaaaaatg	gattcagatt	gcctgatttt	aacactttag	tttcaccata	600
ggctaattat	gtgacattgg	gcaagagaca	taattcttct	gtccttagtt	ctacatttgg	660
aaaatagaga	tgatttggga	acttattaat	aagatttttg	tgagagataa	ataaacaat	720
ncttttgnaa	aaaaaaaaaa	aaaaactcga	gccttagaac	tntgnggg		768

<210> 3725

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (793)

<223> n = A,T,C or G

<400> 3725

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acagagtgc	caccaggaga	atctaagaat	ttgggtcaaa	aagaaaatgg	caattacatc	120
atgtgctcta	ctatattttc	ctgtgtatct	aaaagtatct	ttttgaaaat	ggaagggtag	180
atgacatttt	ctccgatctt	tattatgttc	ggttcacgga	gtggctacat	gaagttctga	240
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agatgctatg	ggagtgcag	cagcttgggg	ctcactcccc	ctccaccttg	ctgaccaccc	360
tcagtgtctt	taataccaag	taagtgttct	agaggctcca	ctgctggcat	ctgtccagtg	420
aagagtgtgg	aagctatcca	agaggccttc	tgaattcctc	tgacatatat	ttgagaaagg	480
gcttggactg	tgaaaagaaa	tgtggcccct	ttccatcttc	aagagagatg	gaattaatga	540
tggatggacc	ctggagggaa	tctccccagc	ccgactttca	ctgggctgac	agactttgct	600
gaccacaggg	gaacnatgtt	cmtttctttt	cttcatgac	agacntaaac	ctagcntcnt	660
taatggaaga	aaaatgaagg	gggaacttca	attatgantt	attcaacgac	caantttnta	720
ttacncccc	ccttttatga	ccaagntgac	catttnnnat	gttanngtta	aaaaaccttt	780
cccttgccct	tnt					793

<210> 3726

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 3726

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gttgatgtta	aagtcttcag	tctgaaattt	gtagggcagg	agattaggct	ggaaactcag	180
gcagaatttc	tgtgttacia	tcttgaggca	taattcttct	ccaaaaaat	ctccattttt	240
ttctcttaaa	gccttggatg	agccttggat	gattggatga	ggactacca	cattatctag	300
ggtaatctcc	tttgcctaaa	gtaaactcac	tgtgttaatc	acatcaacaa	aataccttca	360
cagctacatg	tagtgtttga	ccaaacaact	aggcaccata	gcctagccac	ataaaattac	420
tatcattata	ctttttctta	tcacatactt	ctaccttggg	agggatattt	cccagttggt	480
atagctacaa	aacagaggca	gatcatttag	cctgcatttg	atttgtagtg	aaaaataaagc	540
ctttggtgtg	tttaaccact	gaaatgttgc	ggtttattag	tatagcacia	cttatcctat	600

actggccaac	atagatgctt	tcggttgcaa	gtaacagatc	cccttacagt	ttacaaaaaa	660
aaaaaaaaaa	actcgagcct	tagactatag	nagtcgattc	gtagatccag	acatgataga	720
tcatgatgag	tttggacaac	cacacttgat	gcagtgaaaa			760

<210> 3727

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 3727

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agggatctat	gagaaagggt	gtatctaatt	tttttatgga	ccataaagggt	ttaaaagaaa	180
ataggggacac	aggctgttga	ggtttttatg	ttgttataga	cctttttaaa	ttatgttaga	240
gatgtntata	ggnatTTaaa	ggtcactggg	agcgtttctg	attcccggcc	acactttgca	300
tttcaacact	cagcccggaa	agatgctcgt	tcggntgttg	gacctctttc	actccctgcg	360
tgtagaagg	tgaatcacgt	gggaaaaagt	gaccccttagc	aacgtgccag	gacacttcct	420
gtgtgcctgc	agttgtcang	gaccatttgg	gatcccgaat	ctcattctct	aaaactgctt	480
tcttgaaaca	tgttacttcc	ttagtataat	caatgtatac	tcccttactg	gcctgaaacg	540
ttgtatagct	acttattcag	atactgaaga	ccaacggact	gaanaaaaga	acaaacatta	600
gctatTTtat	gctgcaagaa	ccaggacaca	caattcgcca	atcatcccac	catataacct	660
tcgattggng	cttctcaact	ccaccccata	atttcttcca	gagaccatct	atcanctttt	720
cccaaagaa	gaaacaaaac	cngttgcacc	ttaaaccatg	gatatttttt	cctcangggc	780

<210> 3728

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(774)

<223> n = A,T,C or G

<400> 3728

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nttagaatgt	gactgtatTT	ggagatggag	atacagcctt	caaagagggt	agtaagttaa	180
actgaggttg	ttaagatggg	cccgcaacca	atctcaccgg	catccttaga	agaaaaggag	240
ttggagacac	agagagagag	gctagacaca	ggcacacgtg	aaggggacggt	caggggaagc	300
ggcagcgaga	gggtgctgtc	tacagccaca	gagaggcccc	tgaggagacc	aacgctgccg	360
gcaccatgat	actggactga	cttaccgnct	ccagaactgt	cgaaaagaca	tttctgttgn	420
ttaacaaaat	agcagtctgt	agtacttcgt	tctggcagcc	caagcagact	aatgtatagg	480
gcatttagatt	gggcgtaagt	aaaatataaa	ggaacttaag	tattgaatag	tgcaggtgct	540
gtgaggagg	atacattng	ttntgntatt	ggtcatacag	agctagctgn	tacctgaggc	600
ttcacaatgt	aggntctact	ctaagtctgc	tgcttaaaaa	accccaggcc	gggcatgggg	660
tggctcacgc	ctgtaatccc	agcacttttag	gaagccgang	cgggcggatc	acgaggtcan	720
ganggcnaga	tcaacctggc	caacatggng	aaacctgtc	tntactnaaa	anac	774

<210> 3729

<211> 779

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(779)
<223> n = A,T,C or G

<400> 3729
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 cctgcattnc tggnttntcc ttttncaggc tgctnctcng tggagcttct ctatttnacn 180
 tctactactg tatccatgnc tntagnnggn cctntcagtg atgtngctta tntccccaat 240
 gacactgatg ggagctnctt aagaacangc tgtntacgga caaggatgtg aagtgggtaca 300
 agggaaaagt angccgntta ggacctgtgg gtgtgtcatg actgtgcttg tatctcttgn 360
 tagctttgtg gccttaggtt caatgctgac cctttctgag gctcaagttt ccttatcttt 420
 aaaataggtta ttaaagggaag taatccggtc catacctgag cctgggtatg ccctcctccc 480
 ggacgttcct gttttctgat cgtcttcagc acagacatga gtaaaagtac aatgaccagt 540
 cctgtgactt actgagggca aggtgttcca attcagattg tatactgata attacacagg 600
 gaaataagag aaganacaag ttanaagcct gnagattata gatgtttttg aagaatacat 660
 tnttttgcac taataaatgt gaccagtttt taaaaagttt tcagtattag aggaaatagc 720
 caccceccata ctacttctac tactgcaatt actattttage aattttttatt ntttctttt 779

<210> 3730
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> n = A,T,C or G

<400> 3730
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 ggggctggat gtgnngcagt tctgtgatcc gctgccacgt ctatgaccgg gcggcgcnng 180
 gtctgcgggt tccagcgtgc anaaggtaga aaatctttat cctcaaattg gctgggtaga 240
 aattgatcct gatgttcttt ggattcaatt tgttgccgta ataaaagaag cagtcaaagc 300
 tgcaggaata cagatgaatc aaattgttgg tcttgccatt tcaacacaga gagcaacttt 360
 tattacgtgg aacaagaaaa caggaaatca ttttcacaac tttataagtt ggcaagactt 420
 aagagctgtt gaacttgtaa aatcttggaa taattctctt cttatgaagt agagacaggg 480
 tttcatcatg ttggtcaggt tgggtcttgaa ctctagcct cacgtgatcc gccacctcag 540
 cctccaaaat gctggtatta caggttcagc catccaggag catatgcaag atactgaaca 600
 gttccgcact acaaagatct cttgngttgg tcttctgtaa ctatatctac cactctncta 660
 tacacctcct accctctctc attcctagct cctggcaacc actaatctgt cctccattta 720
 aaaaatgttc taatttgaaa aatgtatatt catagga 757

<210> 3731
<211> 798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(798)

<223> n = A,T,C or G

<400> 3731

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gaagcaagct	tctgagttat	gaaagcctgg	gttcaggaga	ctaacctata	tgtaggttcc	180
taggaaagtc	cagttaaagg	gcctactttg	ccactgctgc	ctccttctta	atgctgaacc	240
tcctctccca	caagggggca	gtctcagcag	gtgtcagctg	agccatgtgt	catctgtcca	300
ggctaactgc	ccacacatcc	ttctgcaaag	ggtacctctt	ggttatcagt	gctcactgat	360
ccctatataa	tcagactcta	atccctgtaa	aaagattact	tgggtgctagc	caagctagca	420
cctttgggtc	ttcccaaaca	tacaccacta	atccagactc	taataacttc	atttccttta	480
aattacaaga	tcagagctga	aataggcctt	agaaagctag	tctgggctgg	gcgcaatggc	540
tcaagggagg	cggaggttgc	agttagccaa	agactgcgcc	actgcactcc	agcctgggca	600
acagagcang	acttcatctt	gcaaaaaaat	aaattanatn	aattaaaaat	ntgaacctat	660
atgggattta	acctcttctt	ctcaattaaa	agttatttta	aaaaaaatgg	caaaaaaana	720
nnanngnnaa	naaaaaaaa	cttcngaccc	ttttnaaact	nttangnggg	gtccnnattt	780
accggtagaa	tccnagnn					798

<210> 3732

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(766)

<223> n = A,T,C or G

<400> 3732

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tcgattcgaa	ttcggcacga	gnaatcaata	tttttcaata	gaagtattag	aggttttttt	120
tattgatata	aaaataacaa	ttacagatcc	tgatatatag	aagttattca	aaattataca	180
gttttcaaaa	aatcaagaca	agtaggccca	atacaaaacta	ctgaatcatc	ttctaatttc	240
cctctaaaaat	atttatagaa	atatgtaagt	agaaaaacat	tcatectttc	ctcgtctaata	300
tatgatactg	ccatattcca	ggcacaagag	aaagctctgg	ggcttgagtc	ttatgagggc	360
tgatagtcca	accaggggac	agggtatcat	aaagagataa	ttcaaaactt	taagattgga	420
gggtaggtga	tggtagaaaa	ttctgcggca	aacatttggt	gatgctcatc	atttgttgat	480
gtcatcaaag	atcaccaggg	cataattata	atcaaaaatta	gttttattga	tgcttgctgc	540
agcaagagag	actgcacacc	actgggtctt	atgggtgctt	ctcagtggga	aggtgtaagg	600
aggggcttgc	taagaatttg	agcacatgta	gctaatttta	aggagggctc	aagttagcca	660
agggtttctt	ctggattgag	tgctgtccag	aaagtggatt	gagtgtctga	gaaagtggga	720
gtgattttgc	actgggganc	ttaattttta	tgttgtgggt	gggang		766

<210> 3733

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 3733

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aaactgctaa	attaaaatac	tacattttac	ggaaactgtg	gagctgcctc	cttgatagaa	120

tgtaggtct	gtttttgttg	tcttctgcct	atgtctcttg	acttgtagtt	tcttttgttt	180
caaatactc	tgccctcgta	tatacttttg	ttagactact	tttgggaag	cactctccaa	240
tagaagaaca	taatgtggtg	tcaattgtgt	agggatcgcc	caagcgttgt	ctagcatttc	300
tgctccccag	cagaagccat	tttatccagc	cagagttgtc	cttcacagtt	ctagcatagt	360
ctaaactcat	tttctcattg	ttcatattct	ttctctccca	cccactctgt	cttcctgtgc	420
aattcaagtt	aaattccatc	tctcttcttt	gagttgctcc	cctgaagtaa	gatttctgtt	480
tcttctggca	ttttacctct	aaatttatca	ataacatggt	tattctgctg	ttcttaattgt	540
cgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	agtgatttta	atcttctctt	gaatttagaa	600
gatgagaatt	tagtctttct	cctttcccca	ttctacatt	actcctaaat	tgaatcttta	660
atataaaatc	atttatttta	gtttccagt	tcatacataat	tttacctttt	ttctactcag	720
gactataatt	cccagca					737

<210> 3734

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(743)

<223> n = A,T,C or G

<400> 3734

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tttgccactg	gagaaaaatc	tcctcgagt	gcagatntac	taacncagct	tttgcnnacn	180
ggtaagggat	attatnnnta	ccttttntct	taaatatnta	tcntctttct	naaatgttga	240
ctctggattt	aggtttnaaa	tggggtgcag	ganagctgga	ggncctncct	ctgatngaga	300
ntaaatcccc	tactntcatt	cagacgntaa	agngaaatga	ttntctgtta	tctaatncct	360
ggngntgttt	tggatntaat	accctcntga	aggngnaatg	actanattct	tntgggcatn	420
tnagatgtnt	nntaattntt	cncccnatnn	nctgnagtat	cataatcgna	gcactttaat	480
gaaagttttc	aggcatgcca	gatcnggatc	tcaancttac	aangaacacg	tatctntgtg	540
ggcttgaggg	aatggcttag	ntgataagca	tcctgtcaat	gtaacctnga	taaactnagt	600
agnntnacgt	tgnnaaactg	angcanntga	tattcaaatn	agnaacntat	tcattgtgcc	660
nctntttctt	tactccanct	gactcttgca	naattgaand	nagtggacaa	cgccctattc	720
aggggtgccc	ananggatgc	caa				743

<210> 3735

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(743)

<223> n = A,T,C or G

<400> 3735

anactacan	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgaggg	60
tcagtgttgt	aattccctat	tctagcactc	tcaaaagtac	cccatctgtt	acacatgcag	120
aaactgcagc	agcatctgaa	atgtccactt	cttgattcat	tctgaactcc	cttaagccca	180
gtgtttgtta	gttctcgttc	aagtctagga	actctgccga	gtaacaggta	tctcaatttt	240
gccatccttt	ctttctgcat	agacaggagt	gttcttaaat	cttctctctgt	aaagcaagtc	300
atctctgatt	tccttgagga	tcattgctcc	cgtatactgt	tggtgggggtg	agccttctgg	360
tagaggggaa	gagaatttgg	tactaggggt	gatagtcagg	ttactaaggt	tctttatcaa	420
catctcagag	cagaagtttt	gagaggcccc	tgaatcgtcc	tggaattttt	cttcagttag	480

catttttgaa gactgggacc aggggttgat taaacttttg tgatgggtcc atttgtgtctc	540
aacacaacac tgagcttctc ctggatcttt gaaaccagc agaaactgtt gctggactct	600
caaattgccca caaggtagac cagaaagagc ctgaaaaccc gaactccaac catctttttc	660
tttctttttt aatgcagaca tgggtgtgct atgttgcaat gagcccgaga tcgcaccact	720
acactccacc tggcgacaga gcg	743

<210> 3736

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(748)

<223> n = A,T,C or G

<400> 3736

aaatcgctng gctactcgtt ctttttgag gatcccatcg attcgaattc ggcacgaggt	60
aagcaatgtg ggaaagcctt cagatctgcc tcaatccttc aaatgcatgc tgggactcac	120
cctgaagaga agccctacga gtgtaagcaa tgtgggaaag ccttcagatc tgccccacac	180
cttcgaatcc atggtagaac tcacactgga gagaaaccct atgagtgtaa ggaatgtggg	240
aaagccttca gatctgccaa gaaccttcga attcatgaaa ggacacaaac acacgtaaga	300
atgcactctg tagaaagacc ttataaatgt aagatatgtg ggaaaggcct ttattctgcc	360
aagtcatttc aaatacatga aaaatcttac actggagaga aaccctatga gtgtaagcaa	420
tgtgggaaag cctttatttc tttcacttct tttcgataac atgaaaggac tcacactgga	480
gagaaaccct atgagtgtaa gcaatgtgga aaaaccttca gatctacctc acaccttcga	540
aaacatggta ggactcacac tggatagaaa ccaaagcagg tgaatcacct gaggtcagga	600
gttcaagact ggctgatca atatgatgaa accctgtctc cttctaaaac taaaaaatt	660
tggccaggcg tggtagcctg gcttctgnaa tcctagctag ttgggaaggc tggcacagga	720
gaatcgcttg gatcttgggg ggcanaag	748

<210> 3737

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 3737

ggnttttcaa anccgnnttc aaancnagct cttgttcttt ttgcaggatc cctcgattcg	60
aattcggcac gaggtttttt aaagaacttg ataaatttac cttaaaattt aaataaagta	120
tactgaataa ctaagtcaac ttagaaaaaa aaaagtgtta tctaagacaa gttacaaagc	180
catcaccaaa gcccatgatc cggcagacga ctacaagcat agggtcagat ccatctataa	240
atgagagcct gacatacttc atctatagca aacatgggag acaaatcagt ggtaaaatga	300
tacagtgttt gggaagtgtt atttgaaaga tgggcttatt taatgtatac agatgaactc	360
aattcctctg taatagaaac ttgttctcca gagagattat agatctaaat gcaatgaaga	420
aaataccact ataaatttag tactctttat tghtaattat cccaatgggt atttttactt	480
tctcacttct tagatgattt tccaagtgtg tctagtatct gagttaaaac aaaattttta	540
actttcttat aaaacatagc gtgcccccat ttttagttcat tttctacata gaaataaata	600
aaacacttag ataacagttc agaaatagtt aattaaatat atcccagatt cccacgac	660
tggaaaaatt atatcttcaa aatacttctg tctgggtggat atgtgtcttc taaaaaaaaa	720
aannnnnnna aaaaaaaaaa cttcggnctt ntagaacttt agggngtc	768

<210> 3738
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(770)
 <223> n = A,T,C or G

<400> 3738

gnnnnnnnnnn	tttnnnnnntt	tgaanccctt	tgtctctngnt	ctttttgcag	gatcccatcg	60
attcgtgacg	agcgactgta	gacgttgcca	gcatgtattg	atcaggagca	gcctgtgagt	120
caagactgac	aacagatcaa	taaattggctt	ttaaaaagca	aaacccctca	agctgtttat	180
ctaggaagcc	tgacaaaccc	tgcccgagct	gggtgtggccc	catgtgtccc	cagggcctgg	240
ggcccacctc	tgcccagaa	gtcctcttag	tgtctgtaga	caggtcccat	ttccaccagg	300
tcaaccaggg	atgtggcagt	ggacctggat	ggcaggcaga	gcagaggacc	gctgttctat	360
ttgttgaagc	aacgaaggcac	agtactgtt	ctagcacagc	tggtgtgag	aaatggcgat	420
gatggatcca	ctttagatcc	gaagtcttag	caaactcagg	cctcttttcc	acagagaatg	480
ttgtgaagac	ctgggaatga	gctgttgatg	tgcattttta	ggatgacagc	ataatggaga	540
aaattggaag	tagcatatgc	caaagtatga	agtgttcaca	cagctccctt	gggttggtga	600
tttatgggaa	gcttttttct	cctttatact	tttatctact	ttctaaatct	gtcaatatgc	660
ttgngtcttc	tatgaacaag	aaagaaaagt	ttaaaaaaa	annnnnnnnn	nnnnnnnnnn	720
naaaaaaact	ngagccttta	aactntnggg	gncgnttacc	taaatccann		770

<210> 3739
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(783)
 <223> n = A,T,C or G

<400> 3739

ggnnnnnnnnn	nnttngggca	nanngaaacc	cntangcaan	cnactganag	aacccttggg	60
aaggaccccca	ncgaancgaa	ngcggcacga	gacanacagn	nnannantta	cacaccgggg	120
ntggngngang	aataangagg	annnaangag	cccnctnccg	aggnggcccn	aagncngcag	180
aagacaaaga	nccngggncc	aggccangaa	aggactgaag	naaananngn	aaanaagnac	240
agcngaccct	ngaacaacan	ggagggnnagg	ggnnacagng	aaaancngca	tгнаagnnga	300
ccngngcagn	ccaaaccnga	gngnaacngc	ngaattnaaag	gggcnnccnn	cngcncanag	360
anagnaccca	natnnacaaa	catgctagag	aaaagcaacn	ggggnaaaac	nngccccac	420
tagagaaang	gacaggagg	annaagncac	nnggaaagan	aganagcaga	actaagcng	480
gnaaaagccc	angaaagggn	gganacnana	aagnagccaa	aacnacncna	gcaaagcann	540
nnaaggcaga	aaacnggggc	aanagnaacn	aacncngggg	gccaccnaaa	aannncanaa	600
cagggnaaga	ancacannnn	nnacancang	caaaccancc	nnacagagg	agcnnaccnn	660
gggaagagcn	nnnaaanggn	acaggncann	nnagaagagn	aanaccnnca	ggcaaaang	720
gacccaaggg	acanagaaan	acaaannngg	nnnnncacac	acngaaaaaa	anngaagcaa	780
aac						783

<210> 3740
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(756)
 <223> n = A,T,C or G

<400> 3740
 ttatanatac agctcttggt ctttttgcag gatcccatcg attcgtttta acagtgtgcc 60
 tttggggagg gacccatgtc catggcttcg ttgagggcca tccatatgcc agctgggggc 120
 cagcccacag tggccatatt ggctgcagca ggaatggtgc ccacctcggc gaattgaagg 180
 gctaagagtc ccagatagct aggccagagc tggaagcaga cagtaagggg aagagctgct 240
 cccacaggag agggagagat tccagctcac tgcgcagcct gggaggaggc gtggatcctg 300
 gcacgctgag cctcaggcac cagcctccct gtgctcgaca gcaaagtctt gactccttcc 360
 tgttgagcac tgtgtacct tctctgctcc aaagccagac taacagctct ccaagccctt 420
 ggggtgactc ggcttccagg agctgttgga gaaatgagga tgtctgtccc tgtctgctg 480
 ggcaggccag attcctcccc agcagccggg tctctccaga ccttgattcg gtgcctttct 540
 gtttaccagc tacttcaatc ccaaagtgtg aatctgcaga taccttactc ccagccactt 600
 tgccttctta ctgtgttggt tgttttccct ggtgcttcaa gancgtgtgc anggcaaagt 660
 gccctcact gggaaactgca ccagatgctc agacttgggt gncttatgtt taccaataaa 720
 taaaagtaga ctttttctaa aaaaaaaaaa aaaaaa 756

<210> 3741
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(741)
 <223> n = A,T,C or G

<400> 3741
 tnaatatata gctcttggtc tttttgcagg atccctcgat tcgaattcgg caccagactc 60
 tctctacaac tgacagagta aatagacaaa aaatgtatgg gggatatgga atattttatc 120
 aacacaagta aaaagcttga tctaacagggt ggggtgggcca ttctancnac canngaccn 180
 gnatntaaan cnhatrangn tncatccana ttcattgttg catntnannb actgatntcc 240
 gtnntanttn tcanntntac antnnancnn tntnnnnacn naacagnac tannaggtcn 300
 annnagctnn aattnannnc tntnannccn tnnctcnnnt nattntnnnt nntntnnncn 360
 anactnttc antatnatan ngnatcntnt actnttnttn nnnnantanc nnnnnanngn 420
 nttntntnta ctanngncc tanttnannn atcnnntnt ntacatctnt nctactnatn 480
 atnnncannt natatatnt nntnnnatna aaggantnt ntncnnantn cntnnnnana 540
 natnctnatn nncctannn nntnannntn nnnaananna tnnnancnnt tannnnnnnn 600
 nnnnannntt annnnnnnnt nntntntnn ntntntnnnn nnnnnnnaan nggnanannn 660
 nntnnnnca attntnnnn annnnnnnnn ttannnnnn antannnnat nntnnnnna 720
 ntnannaant ttnannntna n 741

<210> 3742
 <211> 745
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(745)
 <223> n = A,T,C or G

<400> 3742

```

atacagctct tgttcttttt gcaggatccc atcgattcga attcggcacg aggaccacct      60
acggaaaact gaggcccaca taagctcgat tggttgtacc tccaacagat atttattaag      120
cacctactaa atactgagcc cattgcaagc accagggaag cctctgtgaa cagcacaagg      180
tccctgctct ggagattctg cttcagtggg ggagacagaa aataaacagt ttcccgtcac      240
caattttcct tgggaattgga cagatggcag ccaccataat gatactatat gtgtccaagc      300
taaacaaaat cattcacttc cctgatattg ataagaaaat tcctgtaaag ctgtttcctc      360
tgctctcct ctacgttggg aaccacataa gtggattatc aagcacaagt aaattaagcc      420
taccgatgtt caccgtgctc aggaaattca ccattccact taccttactt ctggaaacca      480
tcatacttgg gaagcagtat tcaactcaaca tcactcctcag tgnctttgcc attattctcg      540
gggctttcat agcagctggg tctgaccttg cttttaactt agaangctat atttttggat      600
tcctgaatga tatcttcaca gcagcaaatg gagtttatac caaacagaaa atggcccca      660
ggactaggga aatacgggta cttttctaca atgnctgctt catgaatata caactcttat      720
tantagnctc tcactggaga actgc                                     745

```

<210> 3743

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 3743

```

tnagatcagc tcttgttctt tttgcaggat cctctgattc ggtacaactc ttaaagcttt      60
ctacatttta catatacagt catctctcag catcccaggg aagattgggt ccaggatggg      120
ctcaagggtcc tgatataaaa ttgcgtagta tttgtatata acctatgtac atcttctcgt      180
attctttaat ctctagatta cttataatac ctgatactat gtagatgcta tgtaaataat      240
tgttatactg tattattttc aaattgtttt attgctattt ttattgcttt tcctgaaat      300
atthttaatc cacagtaggc ggatgcagaa cctctttata cggagggtcg actgtgtagg      360
agttagctag tttcagttaa agcagcgggt gttggtactc atctctcacc tgccccacg      420
tagtgtagct agggcatcag ggagtactga tctctggcat catctgggat caacaggatt      480
ttctgcctc acaggcctgt gagcacatta gaaatacacc tgctcagctc aagtcaaagt      540
gagagcttt tgaatggagt gataacggag taggcagtat ctaaataaag atgattgggt      600
caagtctcag tggacaaatg tgtaccgttc tattactgnt gactgtgact ttgaagtata      660
tggngttcat taagcaaata caatctgata gtatgaaaag agcaccacca aaacaaaaat      720
gaaaccattt atcaggactt ttgnagctat gaaa                                     754

```

<210> 3744

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 3744

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tnagatcagc tcttgttctt tttgcaggat cccatcgatt cgaattcggc acgagctttc      60
tctggcagtg attcctgaag ggaaaatcat gaacaacacc tactaccagg aatgcctctt      120
ctacctgcac aactatagca ccaacctggc catcatcagc ttctacgtga ggcacagctg      180
cctgcgggaa gctcttctgc accttctcaa caagtgggga catggacaca gctcaaaaag      240
gcagtgcctg ccttactcct ctggcttggg ccactcagcc ttaagcggga caataacccc      300
ctgacactta acctgtgtgt gagctatggg gccatctcta gcagagtcaa gtcaaaacag      360

```

```

gggactctgc acaactgtta ttcagtgagt gtgaaaagtc ttagcctaga tcccaaatca 420
ctgccctcac cagcaaaggc atgtttcatt ccttctgcc aacatgcag cagaatcgga 480
tagtggttaa gagcatgtct ctggaatgag atgctcagtg tgagtcttgt gtggccttgg 540
gcatattgct tagagtctgc ttccaacgcg ctcctacct ggcttgggat ggtgtccagc 600
ttctgacca nctgctggc cattcagagt tgttactaca agggccagga agtaaccatg 660
gtgcaaatcc tatagttgaa ccccaaatag atgatgaaag aagaaaaann nnnaaaaaaa 720
aactcgagcc tntaaaacta tagtgagtcg tt 752

```

<210> 3745

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (770)

<223> n = A,T,C or G

<400> 3745

```

gnnnnnnnnn ttngnnntnt gaagccntta ntganttccc ttttttgcag gatcccatcg 60
attcgagca tccacatgac aggcggcgcc gaagggatcc tgccctgac tttcatnagc 120
tggtgaacca tctggaattc acaggcctgt catgagagac acgatgagaa gtccttaaag 180
gtagatcact gattcacagg ggagcaggcg gaggcaaggg tgagtcagtg cttggaactc 240
agtcacccag atttggtctt ggaaacttct gaagctgtag cctttgggga tccctgactg 300
cgagtacagg aagccaacgc tatgtggtct tctggaaact cattatcttt ttactgggtg 360
ctatctggga aaaacagatg aaaacctgaa ggtgttctgt atgtgtgctt tcaaaagcaa 420
ggatctggcc ggacgcagtg gctcaggcct gtaatcccg cactttggga ggccgaggca 480
ggaggatcac ctgaggtcag gagtttgaga ccagcttggc caacatggcg aaaccatctc 540
tactaaaagt caaaaattat ctgggtgttg tgggtgggcac ctgtaatcac agctactcaa 600
gtagctgagg cagaagaatc agttgaaccc aggaggcana ggttgcantg agcagagatc 660
acaccactgn acttcaacct gggtgacaag aatgaaactc cgtctcaaaa aaaaaaaaaa 720
aaaaactcga cctttaaaact atagtgagtc gtattacgta natccagann 770

```

<210> 3746

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (776)

<223> n = A,T,C or G

<400> 3746

```

gnnnnttnnn nnnnnnnnt ttcnaatagn nagctacttg ttctttttgc agggatccca 60
tcgattcgaa ttcggcacga ggctatgtgt tctgactttg ttgattcaaa taagtaagct 120
aaatcaattt aagccattaa taggtttata aagttatttg ctatgtgttg ttcttacatc 180
attgattcat gtaagtagac ttgtgtgaca gctaattctt aaaaaattat gaagatgta 240
gacttctttt gatatatata tgttgattgt atgaacagat tgacatcaat atacttatc 300
attataaaag atttgagtgg gaactcacca aatccacac caaaaaaatt taaaatttta 360
ccatagtaaa aaaaactaaa aagcaagatg aaattataca tagttcttgg tgtagtattt 420
ttaattttta ttattttatt ttatagaaat ggggtctcac cattttgccg ggctgttctc 480
aaactcctgg cctcaggtga tccgctgcc tgcacctccc aaagagccag gattataggg 540
atgagctacc atgcccggct agtgtagtat ttttaattt tacttaatgc tgagccattt 600
tcaataaacc tcatcacatt gattatgacc tcatgcaaga accatctggg ctatctttca 660
gtgtagttgt ctttaatatc ttagaactat tgcattctgn ctttttttgg gaatggttta 720

```

tgctttttaca gtcttaacca ttgcttctta atatcacttt ccgcggnaca actggg

776

<210> 3747

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(960)

<223> n = A,T,C or G

<400> 3747

tannnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	60
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	180
aatccgcac	tcgcngcaag	gcgacccntc	gnattccgna	attcggcnac	gaggggcaag		240
gagtatngan	tttcattcag	gaattttntt	cangcaattt	natcaatctt	attccttgaat		300
tntattcacc	aataatggct	cgccatngan	gagntaaag	tnaggaaaca	nnngctatcct		360
tattcacatt	ttgcaaagtt	cctccatggg	ctactatgat	gantaatcaa	ngncaangng		420
gaggtaaana	gtgaactngg	ganactngtt	gaccaccnca	ctcaatcccn	cngatantgg		480
caccatntac	tnanggnnnn	acnnatcnnn	atnacattaa	gaggatgntt	acncctgata		540
tggtgactgg	cttggttgaa	ggacctatag	ctggaacatg	cttccattgc	caagaaagga		600
gctacaggtg	aagagacact	agntnacnt	atgatngccg	gnttcagcc	tggcataatg		660
gnganttgcn	nntgacntna	atagcatntc	ntgcnacaat	ngaactnnca	agatagaana		720
agcaanngca	agggaaatc	tgcntgcttt	aacccttact	catcnaaang	gcctctenta		780
ctncaaagaa	tttacaatc	cngcttacca	tttatcaacn	ccaatgctgc	ttaccgtngg		840
tnaaccaccc	aannttgnt	ttaaaataac	cacaangtnt	ncnaaaangc	cnaaactcnn		900
ancctntaga	actataagtn	nntcaagatc	cctatnatcc	atncttgata	aatanaaggn		960

<210> 3748

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 3748

ttnnnaatnn	ncantctctt	gttctttttg	cagggatccc	atcgattcga	attcggcacg	60
aggtgacaca	gagacagaga	aacctcccc	accagggaa	gcagctctgc	agagttggca	120
ggatcagggg	ctagtctgaa	cccctagcac	agaacactca	cctcacggaa	gagtggccag	180
aatgttttcc	acataggtcc	tggtcctcac	ttctcctcac	tgagcagggc	tgcccaacgt	240
gggacttctg	cacaaccatc	ctgcccctgc	ctgaccactt	caatcagagg	cagcctggca	300
gttaaaggaa	caccacacac	cagaggtgaa	aaagaaccaa	ttcaagaact	ccagcaacac	360
aatgaccag	aatgtcttat	gtccttcaaa	tgattacact	acttctccaa	caaggttctt	420
aatcaagttg	agttggctaa	aatgacagaa	atagaattca	gaatatggat	aggaacacag	480
atgaccaaga	ttcaggagaa	tggaacaaac	caatccaagg	aaactaagaa	taataataaa	540
atgatacaga	agcagaaaga	caaaatagcc	tatataaaaa	ataatataac	tgatctgata	600
gagatgaaaa	accaagctga	ggaaagaatc	ttggaactgg	aagactggct	ctgtgaaata	660
agacaggaaa	aaaaaaaaaa	gaannnnnna	aaaaaaaaac	tcgagccttt	agaactatag	720
tgagtcgtat	acgtagatcc	agacatgata	agatcctt			758

<210> 3749

<211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(771)
 <223> n = A,T,C or G

<400> 3749

gnnnntnnnn	nngnnnnnttt	aaaatacagc	tcttgttctt	tttgcaggat	cccatcgatt	60
cgctgtagtc	ctatttttgcc	atatgacatg	attgaaatca	acacctctta	gaaatagttt	120
tgctgcctca	taattgatta	ccatcatgat	aacctgtagt	cagtgtgaaa	tagagataaa	180
aattaatgta	cttagttaa	tgcataatga	ggtctaactt	tggtccagag	ttactcttac	240
tggattattt	ttagattttt	attaacatta	ctggtctcta	actttactca	gtctggataa	300
gaaaaaagaat	accatgcaat	tgtaactat	ttgatgttta	ctagattaac	tattaatata	360
ttgttggtgt	ccatatttaa	gagttacttt	gttactagag	atttcattat	agtgggtgtt	420
aatatagttt	tgggtatttt	taactaaaaa	tcattgttat	ccttcaactg	tagattctac	480
tatgaaatga	ggaaaaatca	gcaatagaat	taattgggtt	caaagtatat	aaataatgat	540
gtgggaaagg	gaagtcagag	ggtatctctg	gaagaactga	tttatctgaa	ggtaatactg	600
agtgaagaa	cctaagattg	tagacaaagc	atgctttatg	caattttgct	ggcatagta	660
gtagtagagg	ctctataaat	gtgttgggtg	tttttgggtt	taaagagaca	gtgtctcgct	720
atattgcccc	aggagttaa	agctgcagtg	ccctgtggtt	gcacctgtga	a	771

<210> 3750
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(766)
 <223> n = A,T,C or G

<400> 3750

tgnnngtttc	naatagnnag	ctcttgttct	ttttgcaggg	atcccatcga	ttcgaattcg	60
gcacgaggtg	aattcctcag	caccaagtgt	tttaacacag	aagagaggtg	gaaacaaaaa	120
atgcttggtt	tttactggct	ttcttttagc	atttctgtct	agtcgaaatg	ggggccaggc	180
ttgcacacat	agacaactga	attaatgtaa	ccggacctat	tccatctagg	ctgacctctt	240
gaaagatagg	aggggaagtc	taaaacagga	gaaaagtgtt	agaaatcctt	tggattaggc	300
ttaccagat	tagtggtatg	taaaatatta	tgatattctt	agtgtttcag	gattatggat	360
tttagtaaaa	gcagaaaaaa	ataaattctt	gtttaactga	atctataatg	gcaccagtgg	420
tttggaaca	tttctgagtt	acttgatttt	atgtgaaaaa	atctggaata	acttttcctt	480
ttttccttta	gaccattttt	cttttattta	acctaatccg	agccacttta	taccaatttc	540
aacaatat	ctgaattcct	gtgatctttt	atttcctttt	tgctgctttc	agctgtgttt	600
ctctccactc	taagctcatt	aaagttaaaa	aaaaaatagg	agattggacc	catttttttt	660
tctgaggagt	gtggccgttt	aacacctgt	ggtggctcag	gatattttta	gtagtatttt	720
cagctttcta	gaantggttg	ncttanttag	naaatagtta	tnggaa		766

<210> 3751
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)... (771)

<223> n = A,T,C or G

<400> 3751

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aggctncttg nnnnctantg aagcctttgc tactagctna gctcttggtc tttttgcagg      60
naccatcgga ttgaattcg gcacgaggca tagttggaag ttaagggtga aaagagagat      120
aggggaaaac aggtggaata atattgaaaa ttggatcaag aatatagggtg taggcggttag      180
ccattttatc ctgggagaag ggaggaaatg aaatanaaac aggaatagat agacgttttg      240
aggcgaaaag aatgaatcca gcatgctctg tttagtgatg tagatgagat cacctgggaa      300
ggcatgaatg ggcgggcaga gtggggtagt gacttcagaa gagtaataag ggttgaaaag      360
cactgctggg tgagggggaa ggaatgtcca taacctgact ccagcttcct ttagaataat      420
taacacacgt tacactcctt atttaaacag agatcccaag atcagataaa tccataatta      480
cttatttggt gtaccacaa aatactatag gggctctgctt actttctctt gaaagcatcc      540
ccttggaat tattctttta tgtttctcta attgcatgct ngagaaagca tctgttagat      600
gcaactagtc tttagaccct gaacacctgc agatcttggt gatgcatgcc caagttcaga      660
aagctctgaa agaagttgct ttaaaganga taggccatgg cttttcagat acngaccttg      720
aatctgtagt gggtccctang tttccaatcc taacattacc cacttggtaa g              771

```

<210> 3752

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (747)

<223> n = A,T,C or G

<400> 3752

```

agtnnttnt ttttgactcc ttgctggnet cttgttcttt ttgcaggatc ccatcgattc      60
gaattcggca cgaggccaca tagcaatggt ntaactgcag gactcaggtc cacttgccca      120
gcagctggca ggggaaggcc atgaggcagt agagtcctta caggccaaga aactgagcag      180
aaccatgcc tccagctcac cagctgcatt gaagcccca gctggcaggg agactgctgt      240
gaatggacag ggtgagctca tccccttgaa gaacattgag ggagaattgt caagtgtat      300
tcacatgacc aaggatgcca ccaaggaggg tctacatgcc acctggacc tcaccaagga      360
agctgtgtcc ctgactaagg atgccttcag tttgggcaga gatcgaatga cctccaccat      420
gcacaagatg ttgtccctgc cccagccaa agtctggtcc agaattctgt ccacaggatc      480
tctttcaaat gtctcagata atgctggtgt tcaaggagc cctcttggtga ataattatgg      540
ccaggggtca ccagcagcca acagttcaat ttcaccagg ccctggaccg ccaaacagct      600
actcanctgc ttaactggcc cacaagtaca gaccagagac aaagcaagag aagaagcaga      660
gactgtttgg cccgggcccg agaagaagct tgctggcnaa ggggacgttc caacgaagag      720
accactgtcc ttcgagcagg anttaca                                747

```

<210> 3753

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (683)

<223> n = A,T,C or G

<400> 3753

```

ggatgaacat ggcatcatat gattagaaaa caaaattca tttttgatgg ctgttggtgn      60
cagatcgtgt cctctaaaat ttatgtgctg gaaacttaat ttctagtgtt aacagtgccg      120

```

agaggtagg	gctttgggaa	agtttaaatgg	attaatgccc	acataaagg	gcttggttgg	180
gggaatttg	gctctttgtt	gccccttcca	tcctttctac	catgtgagga	cgccacactc	240
ctccccttg	gaagatgcag	caaacaaggt	gccatcttgg	aagcaaagac	taagctctta	300
ccacacatcg	aacctgttgg	tgccctgac	ttggactccc	agcctacaga	actgtgagga	360
agttaagttt	ctgttattta	taaaattacc	aagtntcagg	tattgtgtna	tagcaccata	420
aatggactaa	anacaatgcc	aaaggtggca	cttgccatan	aactgctgcc	gatgatata	480
actctttgct	ttccagagtt	aaagctttgg	attctgatgg	ggttgattct	cttttgtgt	540
ggacccttgt	actggttnt	attataatag	ttcttttcta	atntttaagc	cgggcccnna	600
tggtcatgc	ctttaatccc	agcactttgg	ggaaggccaa	ggccnggccn	attcaccagg	660
tccaggagnt	caagaccatn	cn				683

<210> 3754

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 3754

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ggctggaagc	cctacccatg	tcagggaatg	tctgggcctc	agatttttat	tttctagaat	120
gaagatactt	accccccaat	tgctgagata	tttgaataaa	agtatatgtg	aaggattttg	180
taattataga	atgtcctaca	aatatgagta	gttcgtttgc	tacttttttg	gcgaagaaaa	240
atatgggat	gcatgaataa	tatctaccta	aggtaacctaa	ggttgtattc	atcccattta	300
ttgaatgcc	aggatatacc	agctactgct	ccagatgttg	tattcaggga	acagaagaag	360
agtcctgtg	cccatggagc	taacagcatt	ctaggggagg	aaagatgggt	cagctgactt	420
tcacgatctc	aggatctgat	gaagattgtg	aagattatta	catcagggtg	atgtaggggt	480
gatttagaga	aagctggtag	ctaggctgtt	caaggaaggg	cctctgtgag	aaaggggatg	540
gttggtggg	tggtgtggt	cacgcctata	atcccagcac	tttgggaggt	tgggagtttg	600
agaccactg	ccagcatgga	gaaaccccg	ctctactaaa	aatncaaaat	tagcccggca	660
tggtggcaca	tgctgtaat	ncangctacc	tgggaggtcn	angccgggag	aattgcttga	720
acccggggag	gcazaggtt	taattgagcc	ct			752

<210> 3755

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 3755

naatancagc	tcttgttctt	tntgcaggat	ccctctnttc	gaattcggca	cgagtatcac	60
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ataccaagca	acagacagaa	gcgtcacttg	gagagaagaa	gaaaggggta	actggcagag	180
ctactgtaaa	agaaggatag	aggagggtaa	gtttgaaagt	ggccatgggc	aagaattttc	240
tccagatagc	tcttgattat	aatctctctc	acctggatta	tttcccatct	cctgacagtt	300
tgttctcaca	taactatcag	cagtcctctc	aacacagaat	cagaccatgt	ctctcctctg	360
ctccaaccct	ctgaggctct	ccatctccct	ctggataaca	ccctgcatga	cctggccctc	420
ctatcccact	gctcctcacc	gcgtcattc	caactctcct	gttctccttg	ctatttttca	480
tatgggccaa	gcaagcacgt	gcctcacaac	ttgtgctctt	ggcgtctgtc	tgctgaaac	540

```

tttcttgcct caggtagtct catggtttat gccctctcct ctttcaagac ttggttcaag    600
tgtcaccatc tctgtgaggc cttctcagat cacctagtcg tgacacatac tagccttctt    660
tctactttc tncactgnac tcatcatctg ctaatgngct actggttgca tattgcattt    720
aatgncgtgc ccgttggtca tgctgggttg gggngggggg    760

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<210> 3756

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (756)

<223> n = A,T,C or G

<400> 3756

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ttncnaanat cagctcttgt tctttntgcy gatccctttn tncganttcg gcacgagggg    60
atgtcagggc tctgagccca agccaagcca tcgcatcccc tgtgacttgc atgtatacgc    120
tcagatgggc ctgaagtaac tgaagaatca caaaagaagt gaaaaggccc tgccccgctt    180
aactgatgac attccacat tgtgatttgt tctgccccca ccttaactga gtgattaacc    240
ctgtgaattt ccttctcctg gctcagaagc tccccactg agcaccttgt gacccccgcc    300
ctgccacca gagaacaacc ccctttgact aattttccat taccttccca aatcctataa    360
gatggcccca cccttatctc ccttcgctga ctctcttttc ggactcagcc cacctgcacc    420
caggtgaaat aaatagcttt attgctcaca caaaaaaaaa aaaaaaaaaa aggataacaa    480
cctgcttggc aagtttgaac tcacaggcat acctcctgca ccccgaggtg ttctcagat    540
tgaagtcaat tttgacattg atgccaatgg tatectcaat gnetctgctg tggacaagag    600
tacgggaaaa gagaacaaga ttctatcact aatgacaagg gccgttgaca aggaagacat    660
tgaacgtatg gccangaagc tgagaagtcc aaagctgaag atgagaagcn nanggacaag    720
ngtatncaag aattacttgg tctatgcttc aaaaga    756

```

<210> 3757

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (763)

<223> n = A,T,C or G

<400> 3757

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tttttaagca gggtcacaca ctctagctca ctgggtccat tttaatttct attaaacatt    120
tttttttttt gcaaattgat tagtaggaga tccaagggtg ttggttaatg atttattcac    180
tcattagtca ttccacaaac ttgtcttgag cacctgttat gtaccagca ctgtgctgga    240
atgctgagga gacaggagtg aagtaaaaag acatggttcc ggcaggaaac aggcaaggag    300
agccttgact tgacggagtc tggctatatc gccaggctgg aatgcaatgg cgcgatctct    360
cctcactgca acctccgcct cccgggttca agcgattctc ctgcctcagc acctcgagta    420
gctgggacta caggcgcgcg ccaccacgcc cagatgagaa aactgaggca cagagaggtg    480
aaataagtga gatgtacct acctatgcag agctggaaaa gattttgcaa cctgaaaacc    540
caatcctttc tgagatataa aagaacagaa gagtctggaa gtgatttctt cggagaaatt    600
cattttctta ttccagagaa gaaacttcaa gctcagaata ttggctacta cctgngataa    660
acatttaaat tattgggaac cagagagttt ttatactaaa ttgnaaagaa caattttttt    720
atcaaagacc aancccgaaa ttcttgaccc tcttgggatt tca    763

```

<210> 3758

<211> 806
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(806)
 <223> n = A,T,C or G

<400> 3758

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aatncnagcc	tcaaaaannng	ctgaacannn	ttggcatcaa	aatttnntca	gaaaatttcc	180
taaaggagat	nnaatcaagg	gccnaaanac	cgcnaanaga	tgcctcttgn	acactaanca	240
agcatctnnt	gangagnnnc	ttaaacangc	ttccagnnag	aancctgcct	ggaaagatgg	300
gtccactgcc	acntntgttc	tggntgtgga	cnccattnnt	tatattgcca	acctcnnnna	360
tagncgggca	aacttgtgtc	gttataatga	gganagtcag	aaacatgcag	ccttaagcct	420
cagcaaagag	cataatccaa	ctcagtatga	ngagcgnntat	gaggatacat	taaggctgga	480
ngaaacgnta	gggatgggcg	tgttgncggg	cngtgctata	gggttnactc	tgcatagnng	540
acgtcagacc	agnactttcg	atttaccctn	tgatnngccg	acatnagant	tctgcccngc	600
tgacacccaa	ttgacangnt	tnntttncat	tnnctttgta	tatanggcnc	ttaaanggat	660
ttcctctctn	ngatnatanc	ctattnnccc	tnatacntng	gtntatncta	ntnnntnntg	720
cntnanttnt	cncttgantc	anctcntaaa	cnttnggnaa	ntctttttan	ctctctngta	780
ngtcttattc	tctantatt	ncnccc				806

<210> 3759
 <211> 802
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(802)
 <223> n = A,T,C or G

<400> 3759

ttcaaatccc	nagcttctaa	gttctnttgc	aggatcccat	nnattcgaat	tccggcacgag	60
gcttcgtgtg	ctactgcgaa	ggggaggaaa	gcggtgaggg	ggaccgcggc	ggcttcaacc	120
tctacgtgac	cgacgcgcgc	gagcttttga	gcacctgctt	cacgccggac	agcctgncgg	180
ncctcgtggg	taactgggcg	ggtctgggag	ccgtcacacc	cctccttgca	ntgcagatcg	240
tctatggggc	gacagacatc	tgggattccc	cagaaggctc	tgacaccctc	tgcccgccct	300
gtagctgnag	tcctcccatt	ggctagggct	cttggggctg	ggcagggttn	gggtgcccc	360
agtgggcctc	gggttncagg	cagctcgtga	caagcccctg	ngctctctag	aaagcccgtt	420
ntggcctgag	tgcngntgag	gacatnaccc	cccgtttcag	gtgagaccca	acaggaggga	480
aggacngatg	ggnagganga	ngggctctgc	acagctctcc	cgtacctttt	ctatnccagg	540
gcagcctgtg	agcagcaagc	ctgtggctct	gactttctga	cgaangacan	aagcnattcc	600
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gccccaatag	gcnagcccc	aangctgang	ggccgcttta	caactggggc	tnggcaaaaa	720
cncgtnttgg	aaccttgtaa	cnggnnaact	ggnaagcttc	acnaanaaga	caatttntta	780
nnnccnnggg	aaaaagcccc	cc				802

<210> 3760
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (772)
 <223> n = A,T,C or G

<400> 3760
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 agattctgtt gttacgtgca acactgtata tctctccata gcacttaatc agagtttgta 180
 attaggcatc tttttgtgtg attatttggt aaatgtccat atcccctact agcctataag 240
 ctccatgact tctaggtacc ctgtctgact acgtgtatca ctgtttctac cgcctaacat 300
 tgcctagcac attcattgct tcacaggcat ctgaatatgg ttttataaaa tacattgctc 360
 tagtgcacag gattttaagc taaggatttc atgaatggga tttggggtag gggcatctat 420
 gaaattcctg aaattgtgta gaattttgag aatatgtgtt ttcctgggga tagagtatgt 480
 agtttctcag caactcatta cagtctgtca catcatgccc taattctact tgcctgtagc 540
 taaacaccta ataacattag aactgaaatg atagtgatat gcaagatagc acgtgtggtt 600
 tccacatatt ctaagaggca tcttcaatta gattccaaaa aaaaaaann nnnnnaannn 660
 naaaaaaact cgagcctnta aaactatagn gagtccgatt cgtagatccn gacatgataa 720
 gaancattga tgaagtgttg acaaaccnca acttgggaatg ccntggaaaa aa 772

<210> 3761
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (771)
 <223> n = A,T,C or G

<400> 3761
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 tacatcagac aggaccacat ctaggacctc ctccctccctc tctcccgact cctccaccaa 180
 cctgcctagc ccaaatccaa gtgatgatgg agcagatagc cccttgggac agtcggatga 240
 agaggaggaa aggggtgatg gaggggcaga gcctggagcc tgcagctagc agtgggcccc 300
 tgcctacaga ctgaccacgc tggctattct ccacatgaga ccacaggccc agccagagcc 360
 tgtcgggaga agaccagact ctttacttgc agtaggcacc agaggtggga aggatggtgg 420
 gattgtgtac ctttctaaga attaacctc tctgtcttta ctgctaattt tttcctgctg 480
 caaccctccc accagttttt ggcttactcc tgagatatga tttgcaaatg aggagagaga 540
 agatgaggtt ggacaagatg ccaactgctt tcttagcact ctccctccc taaaccatcc 600
 cgtagtcttc taatacagtc tctcagacaa agtgtctcta gatggatgtg aactncttaa 660
 ctcatcaagt aaggnggtac ttcaagccat gctggcctnc ttacatcctt tttnggaaca 720
 gagcacngna taaataatta acttaataat aatatgccca aaaaaaaaaa a 771

<210> 3762
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (764)
 <223> n = A,T,C or G

<400> 3762

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aaagactccc tttgtatgtc ctgaatgtgg gcaaccctgt tcacagaagt caggactcat      180
tagacatcag aaaattcact caggagagaa accctataaa tgcagtgact gtgggaaagc      240
cttccttaca aagacaatgc tcattgtaca tcacagaact cacacgggag agagacccta      300
tggctgtgat gagtgtgaga aagcttactt ctatatgtct tgccttggtt aacataagag      360
aatacactca agggagaaaac ggggggattc agtgaagggt gaaaatcctt ccacagcaag      420
tcacagctta agtcctagtg aacatgtgca ggggaaaagc cctgttaata tggtaactgt      480
ggcaatgggt gcagggcagt gtgagtttgc ccacatcctg cattcatgat aaacagtttg      540
ctgtttgatc atatagcctc caacggaatg ctgagtttgt catgtcccat gggccctttg      600
gctccctgca ctaatatgta tagtangggg ttacaagata tgaaaatata ttttactttt      660
tttatatctt ataaacctca ctaccccttc cacaatattg gttttcattt actatcttga      720
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<210> 3763

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 3763

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aaagactccc tttgtatgtc ctgaatgtgg gcaaccctgt tcacagaagt caggactcat      180
tagacatcag aaaattcact caggagagaa accctataaa tgcagtgact gtgggaaagc      240
cttccttaca aagacaatgc tcattgtaca tcacagaact cacacgggag agagacccta      300
tggctgtgat gagtgtgaga aagcttactt ctatatgtct tgccttggtt aacataagag      360
aatacactca agggagaaaac ggggggattc agtgaagggt gaaaatcctt ccacagcaag      420
tcacagctta agtcctagtg aacatgtgca ggggaaaagc cctgttaata tggtaactgt      480
ggcaatgggt gcagggcagt gtgagtttgc ccacatcctg cattcatgat aaacagtttg      540
ctgtttgatc atatagcctc caacggaatg ctgagtttgt catgtcccat gggccctttg      600
gctccctgca ctaatatgta tagtangggg ttacaagata tgaaaatata ttttactttt      660
tttatatctt ataaacctca ctaccccttc cacaatattg gttttcattt actatcttga      720
catagagttt ggcttgggga agggggcagt tttaaangct tccc                          764

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<210> 3764

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (802)

<223> n = A,T,C or G

<400> 3764

```

ttctaagtct tggntctcga tcttttggtc ggatccctcg attcgctgag aaaatcatag      60
agatcctgga gagcgggcat ttgcggaagc tggaccatat cagtgagagc gtgcctgtct      120
tggagctctt ctccaacatc tggggagctg ggaccaagac tgcccagatg tggtaaccaac      180
agggcttccg aagtctggaa gacatccgca gccaggcctc cctgacaacc cagcaggcca      240
tcggcctgaa gcattacagt gacttcctgg aacgtatgcc cagggaggag gctacagaga      300
ttgagcagac agtccagaaa gcagcccagg cctttaactc cgggctgctg tgtgtggcat      360

```

```

gtggttcata cgcacgggga aaggcgacct gtggtgatgt cgacgtgctc atcactcacc 420
cagatggctg gtcccaccgg ggtatcttca gccgcctcct tgacagtctt cggcaggaag 480
ggttcctcac aagatgactt tggtagagcc anaggagaat ggtcagcaac agaagtcttg 540
gggggtgtgc cggcttccaa ggccatggcg gcggaaccgg gcgcctggac atcatcgtgg 600
tgccctataa gcgagttttc ctgtgccctg ctctaactta cccggctttt gacacttcaa 660
ccgcttccat gcnaaccctt tgcccaaaaa ccaaggggcc ttgaagtttt ntcataaaca 720
ntgcccttca accacttgnt gtgggtcccg ggaacaaccc atgggatnna aaggnggngg 780
ccttgnccca aattgcttnn cc 802

```

<210> 3765

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 3765

```

atacagctct tggtcttttt gcaggatccc tegattcgaa ttcggcacga ggcataatgct 60
tgtctcaaaag attaagccat gcatgtctaa gtacgcaggg cctgagtctn tgccctcgtg 120
ggcggttagt gacactgatt ctgcgctgtc tccggcctct ccggcagggg gtccctancgc 180
agactttgcg gntcatggag agtctctggg agacaggcac ctgcggacgc tgcagataag 240
ttacgacgca ctgaaagatg aaaattctaa gctgagaaga aagctgaatg aggttcagag 300
cttctctgaa gctcaaacag aaatggtgag gacgcttgag cggaagttat aagcaaaaat 360
gatcaaggag gaaagcgact accacgacct ggagtcgggt gtccagcagg tggagcagaa 420
cctggagctg atgaccaaac gggctgtaaa ggcagaaaac cagctcgtga aactaaaaca 480
ggaaatcagt ttgctccagg cgcaggctct caacttncag cgagagaatg aagccctgcg 540
gtgcggacag ggccgacgac tgaccctggt tgaacagaac nccgacgtgg ccttcagaaa 600
cctccgggtg gtcataaaca gtgcacagct tcatcaagc actgggtttc ggagctgaga 660
cctgaatctt gttgcaaat ccttaaatct attgacngaa tttctgaagt taaagaccan 720
gaggaagact nttgaggccc tggg 744

```

<210> 3766

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 3766

```

atcagtttct tgctttntn caggatccct cgattcgaat tcggcacgag gtttccctgg 60
cttaccgtga tgacgcattt gctgagtggg ctgaaatggc ccatgaaaga gtaccacgga 120
aactcaaatg caccttcaca tctcccaaga ctccagagca tgagggccgt tactatgaat 180
gtgatgtcct tcctttcatg gaaattgggt ctgtggccca taagttttac cttttaaaca 240
tccggctgcc tgtgaatgag aagaagaaaa tcaatgtggg aattggggag ataaaggata 300
tccggttggg ggggatccac caaatggag gcttcaccaa ggtgtggttt gccatgaaga 360
ccttccttac gccagcatc ttcataatta tgggtgtggt ttggaggagg atcaccatga 420
tgtcccgacc ccagtgctt ctggaaaaag tcatctttgc ccttgggatt tccatgacct 480
ttatcaatat ccagtgga tggttttcca tcgggtttga ctggacctgg atgctgctgn 540
ttggtgacat ncgacagggc atcttctatg ccatgcttct ggccttctgg atcatcttct 600
gtggcgagca catgatggat cagcacgaac cggnaaccaca tngcanggta ttggaagcca 660

```

agtcggccca ntgccgtngn tcttctgnet ttcataatttg acatgtgtta aaaaangggg 720
ccaacttacg aatncctttt acagtt 746

<210> 3767

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 3767

tnagatacag	ctcttgttct	ttttgcagga	tccctcgatt	cgaattcggc	acgaggtttt	60
atttataaaa	caaaaattta	tatttgcaca	ggaggagaat	tagcaggatg	taaaataaaa	120
atgaaagacc	ccaatgggga	gaatatttta	aatgtcttgc	agggagtggg	agaaagcttt	180
gcttaaaaaa	gtcaccatat	gctaactata	tacagcactt	caagtttatt	tattgttaaa	240
gcctcatgta	aatcacgtca	ttctgaaaat	catggaaact	gcacatttgt	gcattaaact	300
atgtaaacia	caaaaactgg	tcattccgtc	aattgttgc	tcacttattt	tgaattatag	360
tgcaattttg	tggagggtga	aatggggatt	acacaatata	gcgatttcct	gttaacacct	420
acatttttgc	tgatcaagca	aggtctgttg	gtgagagagc	ttaaccttta	ttttatttcc	480
aaatgtgttt	tttattccga	gtcccgttgg	tgtctatggt	ttcacttttc	tccatgagcc	540
acatgttaaa	gcctgccttg	actaaatgaa	ggagtgtgaag	cagtgggata	gacattgcag	600
gcaggcgaaa	ctgggataag	ccccagaatc	ttttgaacct	atcagtaata	ttactaacag	660
gggagaaaag	ataaaaagtg	gcccttcaag	tgctctagtg	tacatgtcag	aattnaagca	720
cgagttncac	gggatggctc	accccttc				749

<210> 3768

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 3768

caaatacnnng	ctctegttct	ttntgcagga	tccctcgatt	cgaattcggc	acgagggctg	60
cagtgaagctg	tgatcggtgc	actgcactcc	atcctgggtg	gcagagtga	gccctgtctc	120
aaaataaata	atccagctcc	ccccagaaga	gggaatgaag	tgctataatg	agaaaaatcc	180
tagtacctaa	catatagtag	acagtggaga	gtgggttctc	ttcgttnctc	aggggcagac	240
agattgggtg	ctggagtcct	ctatcaaaga	gtcagagctc	tatcccagat	gtgtaatgaa	300
cgtgggtcaca	gacatattgt	ccattaccat	ttaccttccc	tataaccact	gtgcctccag	360
ccttgtagaa	tagacacata	ggagcgcagc	aatacgtcta	aaaataggag	tgagagaggg	420
cagggcatgc	ccgttcttgn	ggtagaagaa	aagaatgtca	aagaaagcag	ctgggactaa	480
tgaactttac	attagccata	ttccattatt	tcagcttaag	tcaaagtgcg	gtcctcatga	540
ggcaactggc	tttgacagga	gtacgctaa	ttaccactta	ccaaccttta	atttctgggt	600
aaaagcaaaa	gacaaaaact	aatggatttn	tcatttttnc	cagngacaag	aattaaataa	660
tagtangtct	gtcnaaaaaa	aacaaaattn	aaactcgagc	ctntagaact	ttngngagtc	720
gtattacntt	agatncagac	ntgatacgat	accatggan			759

<210> 3769

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 3769

ttgcnaatgc taggctactc gntctttttg caggatccca tcgattcgaa ttcggcacga	60
ggagccacca tgcctggccc atcgtntcat ttgacccctg caacacccta tgagaatata	120
cngatcgaac gatntcacag atnatccata gtgatactca gctaaccgnt ggtctgccaa	180
gacttgaacc caccattctt gttactnnct tgatnncttt aanactgggt atnnnnngcc	240
agtntggnat ggngcnnaaa atangatgtg ngnttttttg angtannann tgctacagge	300
ntnnactnta tnatctnagc natagcnagt ncaagtnga ctgattnagn atacacnnng	360
nngtgttant ngctaaaata ttgaaanaac ttnnattctg gntggagcnc gttnngtntc	420
ccaaatatga acaaccaana tctgaaatgc tncaaagctg gaaactttta gagtgnntnt	480
gantgccngc caacatgaca tgcaaganaa acattnattt ggagcatttn ggattgtgna	540
tattnagatt ngggatgctc antangnatt aatgcanata ttncaaaaanc cncgccttcn	600
gaccagcng aaanaaaaaac caaaaaccca naatacttgn gntcnccaag cattcatgaa	660
aaaaatgatn cttaacctng naaatagctt tgncccaacc cncnnaagtt tctttntcta	720
cttccttggc cantttnaac attaggaacc ccct	754

<210> 3770

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 3770

tcagctcttg ttctttntgc aggatcccat cgattcggct gcacagtggg aagggcactg	60
ggctggaagc cctacccatg tcaggggaatg tctgggcttc agatttctct tttctagaat	120
gaagatactt accccccaat tgctgagata tttgaataaa agtatatgtg aaggattttg	180
taattataga atgtectaca aatatgagta gtctgtttgc tacttttttg gcgaagaaaa	240
atattgggat gcatgaataa tatctaccta aggtaccta gggtgtattc atcccattta	300
ttgaatgcca aggatatacc agctactgct ccagatgttg tattcagggg acagaagaag	360
agtccctgtg cccatggagc taacagcatt ctaggggagg aaagatgggt cagctgactt	420
tcacgatctc aggtactgat gaagattgtg aagattatta catcaggtga atgtaggggt	480
gatttagaga aagctggtag ctaggctgtt caaggaaggg cctctgtgag aaaggggatg	540
gttggtggg tgtggtggtt cagcctata atcccagcac tttgggaggt tgggagtttg	600
agaccacctg ccagcatgga gaaaccccgct ctctactaaa aatncaaaat tagcccgga	660
tggtggcaca tgctgtaat ncangetacc tgggaggctn angccgggag aattgcttga	720
accccgaggag gcaaagggtg taattgagcc ct	752

<210> 3771

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 3771

taaagnatca	ngntcttgtt	ctttttgcag	gateccatcg	attcgctgga	ccgggtcttg	60
gtgctttcca	gctcagggcg	ttgggtccact	tggttattct	tggggaccaa	aatccaagct	120
aggatgggga	cagaggcctg	gagacaacct	gctggcctcc	ttccattaaa	gccattacag	180
tgtcaccaca	ggattgtaag	aattacaaat	gcgtttttcca	gagtccccag	agaaaaagga	240
gtctggcagt	tagaagagta	aagtgcattct	gtcaacaaaa	gaaataccaa	agatgagact	300
acagcagcga	cttgtcacct	cttccgtgtt	gctactgcct	gagaacagag	gttttttagtt	360
tctttaaagg	gttgtaaaca	taaaaacaaa	gaaggatata	acatgcaagg	cctaaaatgt	420
ttactttctg	gcctttttaca	caggcagttc	gccagcccc	taccctacag	tatggaaaaa	480
aggcatagaa	cagtcaaatac	acgtaggatt	tcttggtttc	tccatgcagg	ctcatogaat	540
agcaaccatc	ctttcttagt	ttcttgaaac	aagtacctta	tttacattca	gagaattata	600
tgtggacaaa	cagctcataa	gcccgtactt	ttacatactc	acttcctgaa	ttgcatattg	660
aaaaagagag	ttcatgtaaa	gcccgtattat	tatttaatct	aaagttatgt	tcacatagga	720
agcactatgt	agagaaatag	ggtctgangg	acaaggagcc	t		761

<210> 3772

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 3772

taaagnatca	ngntcttgtt	ctttttgcag	gateccatcg	attcgctgga	ccgggtcttg	60
gtgctttcca	gctcagggcg	ttgggtccact	tggttattct	tggggaccaa	aatccaagct	120
aggatgggga	cagaggcctg	gagacaacct	gctggcctcc	ttccattaaa	gccattacag	180
tgtcaccaca	ggattgtaag	aattacaaat	gcgtttttcca	gagtccccag	agaaaaagga	240
gtctggcagt	tagaagagta	aagtgcattct	gtcaacaaaa	gaaataccaa	agatgagact	300
acagcagcga	cttgtcacct	cttccgtgtt	gctactgcct	gagaacagag	gttttttagtt	360
tctttaaagg	gttgtaaaca	taaaaacaaa	gaaggatata	acatgcaagg	cctaaaatgt	420
ttactttctg	gcctttttaca	caggcagttc	gccagcccc	taccctacag	tatggaaaaa	480
aggcatagaa	cagtcaaatac	acgtaggatt	tcttggtttc	tccatgcagg	ctcatogaat	540
agcaaccatc	ctttcttagt	ttcttgaaac	aagtacctta	tttacattca	gagaattata	600
tgtggacaaa	cagctcataa	gcccgtactt	ttacatactc	acttcctgaa	ttgcatattg	660
aaaaagagag	ttcatgtaaa	gcccgtattat	tatttaatct	aaagttatgt	tcacatagga	720
agcactatgt	agagaaatag	ggtctgangg	acaaggagcc	t		761

<210> 3773

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (834)

<223> n = A,T,C or G

<400> 3773

ggnnnnnttn	nnatttngnc	nnannnanaa	ctctnnagna	anccctttgt	ncaggcatcc	60
catcgattcg	aattcggcac	gagcagcctg	cggccaggct	ttttatttaa	tntnaatagt	120
ttttgtttgc	ctccgtgggt	tggtcaccgt	gtgcatcgca	ccgtgctgta	aatgtggcag	180
tcgctgtgtt	gggagagccg	gccacgccct	tggttttaga	gctgtgttga	aatccatttt	240
ggtggttggt	ttttaaccca	aactcagtgc	atTTTTTaaa	atagttaaga	atccaagtgc	300

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agaacacttg aacacacaga agggagaccc cgcctagcat agatttgag ttacggcctg      360
gatgccagtc gccagcccag ctgttccccct cgggaacatg aggtgggtgt ggcgcagcag      420
actgcgatca attctgcatg gtcacagtag agatccccgc aactcgcttg tccttgggtc      480
accctgcatt ccatagccat gtgcttgccc ctgtgtcccc acggttccca ggggccaggc      540
tgggagccca cagccacccc actatgccgc aggcgcgcta cccaccttca ggcagcctat      600
gggacgcagg gcccacatctg tccctcggtc gcccggtgtg ccagantggg gtcccgcgt      660
ccccaacact cgncttcggt ntccagaaca cttttgggca nggaangtct tgggggccct      720
taaccaagca nggaaccncc gtgccaaagc ccngggcaag gccgggtccc aaccttagga      780
accccaacaa gccccttttn ggggaagcca accccnanaa cctttttggg gggg      834

```

<210> 3774

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (787)

<223> n = A,T,C or G

<400> 3774

```

gnnnttttaa ataccagct ttcaaactct tgttcnecnc ttncgcagga tccctcgatt      60
cgaattccgt tgctgtcggg gatgagattc tgatggaaga gattaaggat tacaaggcac      120
gcttgacctg tccgtgctgt aacatgcgta aaaaggatgc tgttcttact aagtgttttc      180
atgtcttctg ctttgagtgt gtgaagacac gctatgacac ccgccagcgc aaatgtccca      240
agtgtaatgc tgcttttggg gccaatgatt ttcacgcgat ctacattggg tgatctaagt      300
caaganaaga agaggagctg gctagtcang aacttattca ttaaccacca aacctctacc      360
tnttctctcc ttgactgtca cctgtaggac agtttatcag tcaactacct ttctctcaga      420
ctttacttcc aggcctcncct cttcagtanc tggatgactt tagcagaaag gactggtaaa      480
tacaagcctt ggggtttcaga atgaattaga aacaaataac tcttactgtc ttccctccca      540
gctttgttta ttttgtgctt ttagactttt cagtgnntnc ttttttcagn ccactgtata      600
aacttggatt gtccattcct cctgaagaaa tcaagtggg tatttttgat gtggaaaagg      660
gaacaanaag tggaacatg gctacttttt ggggagtgga tnttttaaaa aaatnaggtt      720
ggctatgggc accaaanttt tctacatttg ngtnncaaac ttcttgatga atgtgggatt      780

```

<210> 3775

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (743)

<223> n = A,T,C or G

<400> 3775

```

ttnnnnnnnn cagctacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag      60
gctgggtgtg gtggcttatg cctgtaatcc aaacactttg ggaggccaag aaggaggat      120
cacttgagcc caagaatttg agaccgcct gggtaactta gtgagaccct gtttctaaaa      180
ataaatagac agatgataga tagtcagata gagagagaga gagagatgat atagatatag      240
atagatagat agaattgttct ctaccccaag ggtggagaaa gacttgagca aagacacaga      300
ggccacatgg attaaaagga ggaggagaag ccctgtgttt gcagggatga atggcctatg      360
ctctggggag gtgggctgtg ccctcagcag catccacatc taatgcagga caacaccatc      420
gacttcctgg agtacgtggc agctctgaat ctcgtgctga ggggcaccct ggagcacaag      480
ctgaagtgga cattcaagat ctatgataag gatggcaatg gctgcatcga cccgcctgga      540

```

```

gctctcaaca ttgtggaggg aatttaccag ctgaagaaag cctgccgga gagctacaaa 600
ctgagcaagg ccagctgtc acacccgagg aggtcctgga caggatcttn ctccctggtg 660
atgagaatgg agatggccac tgctnttgac naattggtga agngccctc gggccaagtg 720
ggtgatgaaa atcttccnat ggc 743

```

<210> 3776

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (730)

<223> n = A,T,C or G

<400> 3776

```

atcagctctt gttctttttg caggatccca tcgattcggg agggcaggag agtgaccaag 60
cagctagaag agaggggtgca gcaccccaag gnnaggactg ggggagtggg tgttccagga 120
agggctctgg catgtaaagc tgcacagaag tcaaatcaga taaagcctga gagggatcca 180
tggtatttct tggcaaaggg attgttgggt ataccaggaa gagcagcttc agtggctcat 240
ggggagagaa gccagattac aggagatcag caactgagag agtgagtgga gagcatcttt 300
taagaatgtc ttgagtgcgg gccggctgcg gtggctcacg cctgtaatct cagcactttg 360
ggaggccgag gcgggcgaat caccgaggtca ggagttcgag accagcctgg ccaacatggt 420
gaaaccgctc tctactaaaa ttacaacaat tagctgggca cggcgcantg gtgcgtgect 480
gtaatcccag ctctcgggag gctgangcag gagaatcact tagaccaggg agtcggaagt 540
tgcatgtgagc tganattgcg ccactgcact tcanactggt gacagaacta gactctgtca 600
aaaaaaaaaa aaaaaaaaaa tcgagcctnt agaactatat gagtcmnatt cctagatccn 660
gacatgataa gatncattga tagtttggac aaccacactt gaatgcntga aaaaatcttt 720
atttgaaat 730

```

<210> 3777

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 3777

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ggnnnnnnnn nttttnnnn atggaaactt ttgctattgc nctttttgca ggatcccatc 60
gattcgaatt cggcacgagg ccaccaccac caccagcccc acaaaattna cctcaaggcn 120
tacgaacagg tgatgacta ccccggtac ggttcccca tgcttggcag cttggccatg 180
ggcccgttca cgaacaaaac gggcctggac gcctcgcccc tggccgcaga tacctctac 240
taccaggggg tgactcccc gccattatg aactcctctt aagaagacga cggcttcagg 300
cccggtaac tctggcacc cggatcgagg acaagtgaga gagcaagtgg gggtcgagac 360
tttggggaga cgggtgttga gagacgcaag ggagaagaaa tccataaac cccacccca 420
acaccccaa gacagcagtc ttcttcacc cgtgcagccg ttccgtcca aacagagggc 480
cacacagata cccacgctt tatataagga ggaaaaacgg aaagaatata aagttaaaaa 540
aaagcctccg gtttccacta ctgtgtagac tcctgcttct tcaagcacct gcagattctg 600
atttttttgg tgggtggtgt ggtctccatt gctgntgntg caaggaaagt cttacttaaa 660
aaaaaaaaaa ttttgtgagt gactcggngt aaaaccatgt agntttaaca gaaccngang 720
gttgcctatg gttaaaaagc ctntagaact atgngagtgc nattacgta 769

```

<210> 3778

<211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (743)
 <223> n = A,T,C or G

<400> 3778
 naanannagc tcttgttctt tttgcaggat cccatcgatt cgcccacctc ggcttcccaa 60
 agtactggga ttacagacgt gagccaccgc acctggccta aatttcacca tcgtttctat 120
 tcataactta cctgcaaagt gattatctga ctagtactac tgcaacaaag ataataaagt 180
 gcctgatgtt tatatcaaag aggatatggc atgtttctga gtgtttctaa agaaaaatac 240
 tgaatgaacc cctgcgctaa cctagtgcct gtggttaaca taactgacat gcattgagcg 300
 cttactgtgt gccagggtgt tgttcgaggt actttaccgg tattaactct ttaattcgca 360
 taacccttct gtgagatggg taacattata cccattttac agatgaggaa tctgaggcct 420
 ggagatatca aatcatgtgc ccaaggccac aaagccaaca tgtggtagaa ctgagactcg 480
 aatctaggca gtttgttcca atttttgtgc tttgaacctg tgcacaatat gactattgct 540
 attttgtgat attatttgag atttctcttt taattattct tgatatcttt ggggcagaaa 600
 aacaatgaat aataatgtta tgaatattaa agccctcaa aaaaaaaaaa nnnnnnnnnn 660
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnaaaaaa aaaacctggc ctttaaaatt 720
 ttgggggggn ntttcnnaa anc 743

<210> 3779
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (748)
 <223> n = A,T,C or G

<400> 3779
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 gggctgctaa ngaagcaaaa aaggctaagc aagcatctaa aaagactgca atggctgctg 180
 ctaaggcacc tacaaaggca gcacctannc aaaagattgt gaagcctgtg aaagtctcag 240
 nctacagggt gacaatgagg aggaggaaag ccnnggacag gttgaagggc ggcttgnccc 300
 atccactgtg gtccctggacc acacangcgg ctttgagggg cttctcctgn tggntgatga 360
 cctgctgggg gtgattggac acagcaactt tggcaccatc cgntctacca catgcgtggt 420
 caaagggaaa tggctctncc aggtcctcat ctctnccang ggctcatgca natcggtggt 480
 tgcaccatca nctgccgntt taaccangan gaggggggtg gagatacaca caactcctat 540
 gcctatgatg gcaaccgcnt gcncagtggt aatgtgacca cancgaatta tgccccccca 600
 tctntgctgg gttncanncc tgtggtcaca agtnctgcng ngcctgtatn aaccagcacc 660
 tgttgaacan canggacttg nttcttcttc aaaaccaccn ttntgtctgt anangacttg 720
 gtanaaggga gccaatccna gttctacn 748

<210> 3780
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (771)

<223> n = A,T,C or G

<400> 3780

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gtcagctctg ggctgggctt tctgggggcc acacagctgc tgaggcggcg ggttgaggcg      180
gcccgaagg acccaggggtg ctcagcctgg ttgtggatag cggcctgtgt ggagaggagc      240
tgctttagtg cagtggagg ggcgacagca tcacctggg cgggtatctc cggcagctgg      300
cacgccatcg gaacttcctg tggttcgtga gcatggacct ggtgcagggt cagtggctca      360
cgctgtaat cccagcactt cgggacgcca aggtggaaag accgcttgag cccaggagtt      420
cgaggctgca atgagttatg attgcaccac tgcactccag cctgggcggc agagaaaggc      480
tccatctcta aaaaaagaag agctaagtgc tgtacctaaa acatgcagta tataaactgg      540
ctgaacttag aaataaactg ttttcatgtt atgaaaaaaa aaannnnnnn nnnnnnnnnn      600
nnnaaaaaaa aaaactcgag cctntanaac tatagnagat cntnttacgt anatccagac      660
ntgataagat ncattgatga gtttggggac aaacccaact ngaatgcntg aaaaaaatgc      720
tttatttgng aaaatttggg atctatgctt tatttgtacc attataagct n              771

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<210> 3781

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 3781

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cnnntttcaa atcgcttggt actngttctt ttgtcaggat cccatcgatt cgaattcggc      60
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tcaagattta gattcattcc tctgtttgtt ggagtcattg aagccagtat atcctggaca      180
ttttttaaag aggtcccat tctgagaaaa gacaggagtt gaatgtctta ttgattctta      240
cctttctgtt cgttatagac gaccagagga aacaaatgcc cgacacggat tcgactcagt      300
cataagtgtg aaccaaatag gccgatctgg gttctctcac tgactgaaga ggaagagaaa      360
taagagagga cagtgggcaa aatgtagggt gacaaccaag ggttctgggt tgccagaat      420
tgccctgggt tcaacctga agttcccatg ttgtggacag ccccggtggt ctagacaaac      480
aggtcacctt agcggtaaaa gcctttctca ggagtggag ctccagggga gacaaaacgg      540
gtttggtttt ggaacctgga ggaagaaggc aaaatgagaa gactnactg gcagtgaagtc      600
ccggaagggn cccgccttgc aacaancgtg gcatcttccg gacccacttc cttgctcttt      660
ctcccgtag cccgtgccctt aatgtngggt cccagtgcga aancctntt gggggccngg      720
gcccgtagcc ctgcttaatt caattgcaan cttggaccag gaaaagccca gccagctt      779

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<210> 3782

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 3782

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tacaggctac ttgttctttt tgcaggatcc catcgattcg aattcggcac gagcaggctc      60
atctccaact gacctcatga tccactggct tcggcctccc aaagtgtctg agtgcagtgg      120

```

tgatgatcatg	gctcactgca	gccttgacct	cctgggctaa	agcaatttgc	cttcctcggc	180
ctctcaaagt	gctgggatta	caggtgtgag	ccactgcacg	tggcctcttt	ttagtttatt	240
ttttccaaaa	ttattttgaa	aagtttcaag	gtggaatgta	gtgacaccat	cacggctcac	300
cgaagacttg	acctcctggg	ctcaggtgat	cctcccacct	cagcctctca	agtagctggg	360
actacaggtg	cacaccacca	caccagcta	gtttttatgg	tttttttaga	gacaggggtt	420
cgccacgttg	cccaggcagg	tagaactccc	gtactcaagt	gatccgtccg	cctcagcctc	480
ccaaggtgtt	gggattacag	gtgtgagcca	ctgcacccgg	cccatttctt	cttagattta	540
acagttaaca	ttttgctaca	tttgttttat	gtccccatat	atctgggttt	cccttaagct	600
atatgaggct	acattgnggg	tacactttac	ccaatattct	ggtatcaacc	acagtgccat	660
aatacataata	aaaaaattta	acattggtgc	agtaaaaaaa	aaaaaaaaaa	actcgaggnc	720
tttagaacta	tnntgagtcg	ntta				744

<210> 3783

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 3783

anacagctct	tggtcttttt	gcaggatccc	atcgattcgc	aacagaataa	gactccatct	60
caagaaaaaa	aaaagggtta	agttcctgac	ttaatgagga	aataaaaaaa	ttatatgctg	120
aagttgctaa	gatctagctt	gtgtttgtga	aattgtgaag	aaagaaaaag	aaattcatag	180
tagttttatg	gtcacacttc	tgcaaaaatt	gcagccacag	tgcatgataa	gtgcatagtt	240
aagatggaaa	aggcattttt	tgagtgggaag	acatgaagag	aaatagcttc	caatgacagc	300
attcaagttc	ggtactatac	atggtttcag	gaatctacta	gaggtcttgg	aacatatccc	360
tgtggataag	aagggactac	tgtattgcca	accaggggaag	cttcagtgtc	tccagagaat	420
ttattagggc	atcattacat	aggcacgatt	gatttgtttg	gctgcccaca	tggttgaact	480
cagtcttcaa	gtcaactgat	accaagttgt	ccaaagttcc	ccaccctaaa	ccacatgggt	540
ggtctttctg	gcatggcccg	gctttcaccc	taagactact	gggtgttgca	gctgcaacct	600
aaaatctagt	aacaaagaca	tgcttatcag	gtctgacata	gattaccttc	caaaagggaa	660
agatcagaca	tctctttggg	taangtcaac	ttttttttac	tacattgaga	caaattctat	720
ttcaaggaca	gagttaagga	gggaatgaat	ttt			753

<210> 3784

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (740)

<223> n = A,T,C or G

<400> 3784

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ggctcattta	tttttatatt	gtctagagac	agtgtctcac	tatgttacct	gggctggtct	120
tgaactcctg	gccctaattg	atctgtctat	ctcaatcacc	caaagtgttg	ggattacaga	180
tatgagccac	tggtcctggc	ctatttctga	ctttttttct	ttttgtatat	aagaatatat	240
atttcgagac	aaattgtgga	ttataaatgg	atgcttattt	atctcgactg	cctttcagac	300
ctttttcccc	cagccaacca	gtttttttct	tctcaagaa	gacacagggtg	aaactgaaac	360
tcctctattt	cttctgattg	agattgtgtg	gggtctactcc	actcagcttt	tgcatgacat	420
ggaaagtga	gataaacgcc	ttaaagaaact	agtttcagtc	atagatttag	taaaaatggt	480

attgcaaate	tcttctttga	actcaangtg	cttttctcag	tttcttaaac	caccacccag	540
agagatcttt	catgtcctct	ttgccctgga	gatgtacatt	gggaacaaaa	accttaagtc	600
agttcttcac	ttttttactg	ctttggctct	tagtaattat	ctgntcttct	attaaacaag	660
gagaagacag	attaaatttc	taacagtnag	ggcacaaaa	caatccattt	acagaattag	720
tcttacttta	ccacatagga					740

<210> 3785

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 3785

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gcacgaggaa	aagaaaaaaa	aagaaattta	aaattctggt	ttagtggagt	catttgaact	120
taagtctaag	tttataacaa	cactggcttc	cacagcacag	gaggtgagca	tgtgttaata	180
tttaagattg	gcataactcc	ctttaggtgc	aagtgttcag	gccaaaatgt	tcctgagcat	240
tttgattcct	cctcctgctg	cccatctata	ccaagcccag	aaactgtctg	gaatataatt	300
tagtttctctg	aatgacacca	agaagtagaa	cagtcttttc	aaaaatgtat	tttaaaaata	360
agctgaatct	caagaatctg	atctatagta	taatgaaaac	tgaaaagtga	agtagtcatt	420
gggatactct	actgtctcac	ttaattctca	cggcttcocct	gcaagggtggg	taaaattggt	480
cctacagata	gtcaaattga	gttttacagt	tagaaaatga	ttgggctagg	atttgagccc	540
aatgtctgtc	agattcctga	gtttctgcta	cttctactaa	aatatgctgc	ttcttgtgtg	600
tccngtcttc	tgtttgggga	caagcagatg	atatccctaa	caaaatcaat	ttctttatta	660
ttattctctt	ttaccctttg	gttcccagca	gtacaagtcc	cagttttgaa	gctcaaaaga	720
ctgggtatgag	catagctcat	cgacgacatg	gtg			753

<210> 3786

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (791)

<223> n = A,T,C or G

<400> 3786

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agaaacacat	aaacgacata	ctttgttttg	tgggacaact	gttattcaga	ctcgtttcta	180
cactggagaa	ctcgtcaaag	ccatagttgt	tagaacagga	tttagtactt	ccaaaggaca	240
gcttggtcgt	tccatattgt	atcccaaacc	aactgatttt	aaactctaca	gagatgccta	300
cttggtttcta	ctatgtcttg	tggcagttgc	tggcattggg	tttatctaca	ctattattaa	360
tagcatttta	aatgaggtac	aagttggggg	cataattatc	gagtcctctg	atattatcac	420
aattactgtg	ccccctgcac	ttcctgctgc	aatgactgct	gggtattgtg	atgctcagag	480
aagactgaaa	aaaatcggtg	ttttctgtat	cagtcctcaa	agaataaata	tttgtggaca	540
gctcaatctt	gtttgctttg	acaagactgg	aactctaact	gaagatgggt	tagatccttg	600
ggggattcaa	cgagtgggaa	aatgcacgat	ttctttcacc	cagaaagaaa	aatgggtgtg	660
caatgaagat	gtttgggtaa	aaatccccag	ttttgggtgc	nttggtatng	gcttacttgg	720
tcattcccct	ttcacaaaaa	atttggangg	ggggggcccn	ttttggngng	atnccacctt	780
ggaatcttga	a					791

<210> 3787
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (764)
 <223> n = A,T,C or G

<400> 3787
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 tctttaattc aggaatcaca gttagatttc ttagaatcct tctttgtgct ccaagtatca 180
 aagaccttat ggggctcccc agccataatg gaaaaagtaa tttctttaac aggggagaca 240
 ccagagcaag agcggagatg ggggtacgag ggggtcctca tttatgcagc tggccagagc 300
 tcctcatcca acccggggct tagtgagggt acagatgtga tgttggccaa tgtagtcttc 360
 cttttctttt tttttttttt tctgaggcag agtctcgtc tgtcacccaa gctggaacgc 420
 agtggcgtga tctcagctcg ctgcaacctc tgtctcctgg gttcaagcga ttccccagcc 480
 tcagcctccc agcactttgg gaggctgagg tgggtggatc acttgaggtc aggggttcga 540
 gaccagcctg ccaacatggt gaaactccat ctctactaaa aatacaaaaa ctggccangt 600
 gtggtggcgt gtgcctgtaa tcccactact caggangcag aaggcaggaa aaatcacttt 660
 gaaaatcang aaggcngagg ttgcaantga ncctgaanat ggcaccactg cactgtancc 720
 ttgggcaaca gggcaagaac tccatcaaaa aaaaaaaaaa aaat 764

<210> 3788
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (757)
 <223> n = A,T,C or G

<400> 3788
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 tatagcctan taaatgttcc gggccctcca gtctatttgt cattcaatca cttgtttcag 180
 aaatattact aggcacttat tttatgccat ggcacaattc taggtgctga agacgacaca 240
 gctgcgaata aaacagacat gggacctgtt cttgtggagc ttatacttta gtgcgtagag 300
 aaactaaaca gagaggtatg aaagatagtg atgggacata attctactga aggttgggtg 360
 atcaaagaag ctttgctgaa gagatttggt ttgatgttgg tattttctaa aaacagatga 420
 ccaatatggt taaatttggt tctgaggggag aaggtaacat gagatgagct cagataatta 480
 gacaggggcc agatcattta tatgcaaatt agattatgag ataacagaat ggtatatattc 540
 cctcatccta tttactgcag caaatctctc cttagttgat gagactgtgt ttatctccct 600
 ttaaaaccct acctatcctg aatgggtctgt cattgtctgc ctttaaaatc cttcctcttt 660
 cttcctctc tattctctaa ataatggatg gggctaagtt atacccaaag ctcactttac 720
 aaaatatttn ctcagtcttt tgcagaaaaa accaant 757

<210> 3789
 <211> 926
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)... (926)
 <223> n = A,T,C or G

<400> 3789
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 actatnatgt aannnagacn tncgcttana tatatcgngc nnnnanannc nngtngtatn 120
 atnannagn tgnctaattn gncanaaacg cctnnactga ggnacttgta nntntttgca 180
 ngnncccnan gannncgaac aaatccatct tgtaatgaac ggnggaaaag ggccagcgag 240
 accacacagc acatcaatgc catcaagcgg gagattgatg tgaccaagga ggccctgaat 300
 ttccagaagt cactacggga gaagcaaggc aagtacgaaa acaaggggct gatgatcatc 360
 gatgaggaag aattcctgct gatcctcaag ctcaaagacc tcaagaagca gtaccgcanc 420
 gagtaccang acctgcgtga cctcatggct gatatccagt attgccagca cctagtggat 480
 caagtgtcgc caccgcctgn tcatggaatt ttgacatctg gtacaatgag ncctttgtca 540
 tccctganga catgcagatn gcactgaaag ccaggcggca gcacccggnc aggcatgggt 600
 ccntgtgaac aggattgtgt ctctgggaga agatgacca ggacaanatt cagccaanct 660
 gcagcagagg gtngctttcc tggaggcccc ctgattccat ctgctttnan aatgccaaag 720
 tnaanataga gcntnaagca taattacttg aaaaccattg atgggccttc agngggcccc 780
 atagaaaaat nanaacctnn ttgnncagtt ccttnangga aaaagancag nnactcctac 840
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 nttcnattgn tgggacccca nncang 926

<210> 3790
 <211> 754
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (754)
 <223> n = A,T,C or G

<400> 3790
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 ggagggaggg caagtctata gcatggtgat aaaaacaggc ctcaccctct ttctctaccc 180
 acacagggag catctcagct tgacttcagg gatccaggag ccaccagcca ccctgtaaag 240
 agccagatt aatcctgggt ttcatgtgca tgggaggaag gaaggatgac ctagtaaaga 300
 gcaacttact tactttcttt ggggtggtaa ctcatgtctg aactctggat ggcactgggtg 360
 cgttcaaggc aatgtgattg aatcattggg gattattact gaattaggga gcaaagtatt 420
 cttatggaag ctgtatgctt tctgaggctc accaggccgg atggcatgag ccctatcctc 480
 tgtttgagtt atttgactgg ctttttaagg gagtctccat tttcattctg gccatgacag 540
 atcaagaggt tatattctcc catcagacct tactactttc ctgtagagtt gaatattatt 600
 ctgattttat gccatgtctg tgaatgtctt tgtgtgcacc ctacctagtt atgcatctcc 660
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 aagtagtcaa attcatagaa agtagaatgg gtgg 754

<210> 3791
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (750)
 <223> n = A,T,C or G

<400> 3791

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cagccttgac	accctactc	ctgtccagcc	agtgtttctc	aaagcgtgct	gatgagcaat	180
gcaagatgat	ttcatgttat	agataagaat	aaaaaaattg	ttttgtgttt	aactcaaatt	240
agaaaaaggc	aacaattggt	atgtgcgacc	tgtggttttg	cagatgatac	tgcttaggat	300
gttggtactt	aagaaaaggt	caacttttca	aaaatactat	tagtgacatg	tggacctagt	360
cctcctgaag	aggactacat	tggggcacog	gtaattgttt	ctatttgogg	tactctggct	420
gtgtggctct	ggccacgcca	ctggaggcag	tgtctgagcc	tgtgacttga	gtagtagctc	480
tgtgtcatgt	ctgctgattc	tcccaaatc	ctgaagattc	atgatgaagt	gactgccggc	540
ttggtctgaa	ctagattgaa	aacaataagg	atcccagaac	gatagcactt	tacaatccta	600
taattttggc	tcaaattgcc	tgcagttact	atcttaaccc	tgctgttat	gttcattgag	660
caccaaagtt	tttcagtcaa	ttcctgagta	attattctct	gggattgaat	tatgaaatag	720
taaatatttc	cactatgcaa	tcaattggtg				750

<210> 3792

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (750)

<223> n = A,T,C or G

<400> 3792

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gcacgagcaa	gaattgctgc	tgtgtttttt	tttttaattt	tattttttat	ttttaagac	120
tttctacct	tctcattgag	agagagaaaag	atgccagag	ttaaaatagg	aggtgcttgg	180
gtattttgtt	gaacttcaca	agttaaactg	gcgaatggcg	tccatcagct	gttattcagt	240
ccttgaacag	agcagatatg	tttgtgcgag	gacaaagaag	atgcctcaaa	gacaaagaag	300
aagatgcctc	gtcgtccctc	gagctccac	acggcatctg	cacatcacca	gctcagcatt	360
tagcacactg	gattgacact	gccatgttag	gtgagggtgac	ggcatgccct	agagtgaagg	420
aatctacagc	aatatgatag	ctaaatgcc	catgaagttc	tggattggat	cctggattgg	480
gaaaaaacat	ggctctaaag	ggcagtattg	ggacaattgg	tgaaatttaa	atgtagtcta	540
tgtattangg	gataatgctg	ttatcaatta	tacatttcct	tctgttataa	ttgtccttgg	600
tcacaccagg	aaatgtcctt	attaggagac	gcattgcagaa	gtcttttagg	gatgaggact	660
tactgcagct	tattctcaaa	tgtttatata	taagggtgaca	aaaattaaga	aattggtcaa	720
tcttggtgaa	aagtttatga	agagtaaagt				750

<210> 3793

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (751)

<223> n = A,T,C or G

<400> 3793

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ttcggcacga	gcctagcggt	agtcatttct	ttattagtcc	ttactttatt	tttcaaagtt	120
acgtaataaa	tgtctatggt	tctaagctat	ctttagattt	gtaaaagggc	taaaatgtta	180
cttttaaaaa	tgttttggtt	attcaaattt	gtttataaat	ctctcctttg	taccctggc	240
taccacccct	ccccactcct	ctgcctaaaa	ctaaggggaa	atcctgtctt	tgcccatagc	300

ttcagaatgt	tctgcaat	tttagact	tttttaactg	atcactgtta	agcaagggag	360
gaaatttacc	acttctcttt	gtgatgtaat	attgcacagt	gaccctaagt	ggaagccttc	420
ctgtgtcctg	gatgtgagct	ctgcgctgtc	agtggttggc	ttgtaagctc	tggctccaag	480
tgttctgagg	tgcaaggaac	cgatcttgtg	cagtagaaaag	agcttttgga	agttggcaag	540
tagcaaggct	agttctcata	cattctatgc	tctggccacc	tttttctgtg	gcaggaaaac	600
aaaacaggca	aatgcacaca	aactgggtac	atttaacttt	gcctcctgag	ccatctncca	660
agccatttag	ctttggatgg	cctcaatttg	gaacaaggga	acaaacaaaa	tcgatgatgat	720
aacgatgatg	accccgatcg	tccttactaa	t			751

<210> 3794

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 3794

gncnnttgan	ttcnatacag	ctacttgttc	tttttgcagg	atcccatcga	ttcgaattcg	60
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attccaagtt	agaaagtagt	gatccctaag	aacagttgga	gaaacatatg	gtttgttcta	180
tagctgtaag	cggtaatttt	gaagcaattt	tgaaagcatt	ctttcccttt	aagaaaaaaa	240
tagtttctta	ctgaaatgac	tttttaggat	gtcttgaaaa	acgtagtga	attcatctag	300
aaacttacaa	ggttgatgct	agccatcaca	tgcatgctgc	aatttgctga	aatgtcttga	360
tccaggggag	ctaaactttt	acaaaaatag	gtttgttttag	aagtcatatc	actacatgaa	420
aatcaccac	ttttgaaact	tacggttaaa	ggcagtttct	cttttaaaaa	tgtgtctcatt	480
gattattccc	acccaaatag	ccagaatatt	ttgtaattac	ccattaccac	tcctaccatc	540
tgaaacgtgc	atgaaaaaaa	tgaaaaattg	acttcatctg	aaaagagttg	tgtcatgata	600
tatgaaacgt	tttttgtaac	ctccaggaag	gaacattgca	atttttccat	ttcagatcgc	660
ctttgttttg	ccattctcta	cagcagacca	aagagtgc	caaagtaca	ttatttcagc	720
atagataatg	acttgaatat	gagaagtaa				749

<210> 3795

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 3795

gnnnnttgat	tcccntacan	actacttgtt	ctttttgcag	gatcccatcg	attcgaaaaa	60
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tttttaatat	gattgtagaa	acatttagatt	taaagcatat	tgaaaaagaa	aacagtatat	180
tcttttaggag	cttcaaaaaa	gggttttggg	ttagttcaaa	gggtgaaaga	agatctttta	240
ttatttttgg	aaataacttc	taaggaaaca	aaccaccttc	acatgcacta	tctcatttgt	300
atttctgtca	attctgaaa	gccagcattt	ggccagtatt	atttgaatct	gtattgtatt	360
ttttaaccag	agaatgaag	gtttatagct	tcattctttt	ggaagaggag	gctggagacc	420
acaggttaaa	tgcagtgca	tcgctcttgg	ccggcccttg	cagggtcctt	tctccctcct	480
tttacacgcg	cagacaaagc	ttgtggatgc	tcaataagga	cagctgccgt	ttggacagag	540
attaatcatt	tatttgtgaa	gggttttttct	gccttgcctt	cttggctctt	tttaaatctt	600
cacattgggt	tgatcccaaa	atgtttgtgt	tgtccttact	caaaactagg	aaaaacaaat	660

tatgtggttaa gaagctcaga gccacttact taaatctcaa ctagatttat ttgtgagaac 720
atctgttttc tggatattta nacacttcct ctt 753

<210> 3796

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 3796

gmnncnntttt	aatnncnata	caagctactt	gttctttttg	caggatccca	tcgattcgaa	60
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ctaaccagg	cagagaacct	acgctgagaa	ctcaccacca	gaaaaaatat	ctgcttttaa	180
aagcacagt	cacaatagta	ctttttaaaa	gctaaaagag	ctaagtttaa	agttaaagac	240
acgtatgttc	tttgacacag	atctcctaaa	agtctgacaa	aattagaagt	accagcacat	300
aaaaaatagat	gcccagaagt	gtttattgaa	aaaagctgaa	aacccatgac	tatctcaata	360
ggacaatgac	aggatacaca	atgggtttatc	atgccctgac	ctgcgagcag	tgaccaagaa	420
ggagggcaca	gatcacacag	cagacagaca	gatgctctga	ggcttacgat	ggggttatat	480
catgatgagc	ccattggaag	ttgaaaatgc	cgtaagtga	aagtgcattg	caaactggga	540
gctgctgccg	ctgctgctgc	ccacatcaca	agagaagtac	agtttctgaa	tgtctattgc	600
ttttgcacca	ttgtaaaaag	ccacaaaatc	atataggtcg	aaccattaag	tcagagaccc	660
tctgtgcata	gacttggcat	tggcccatga	caagtgaaaa	gagtaagcta	cagaataata	720
ttcatccatt	cttcattttt	ataaaaccac	ttttt			755

<210> 3797

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (745)

<223> n = A,T,C or G

<400> 3797

aggnttnntt	tntgactcat	gcttggmnta	ntngttcttt	ttgcaggatc	ccatcgattc	60
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gctcagagcc	ttcccttgtc	ggagccggct	cggggacgca	gagactgcag	ctgccatcga	180
agaggagatc	taccagagcc	tgttcctgcg	gggcctgtcc	ctggtgggct	ggtaccacag	240
ccaccacac	agcccggcgc	tgccatctct	gcaggacatc	gacgcacaga	tggactacca	300
gctgcggctg	cagggtcca	gcaatggctt	ccagccctgc	ctcgccctgc	tctgctcccc	360
ttactattct	ggcaaccag	gccccgagtc	caagatctcg	cctttctggg	tgatgcctcc	420
tcccagcaaa	aggcccagtg	actatggcat	ccccatggat	gtggagatgg	cctacgtcca	480
ggacagcttc	ctgaccaatg	acatccttca	cgagatgatg	ctgctgggtg	agttctacaa	540
gggttcccc	gacctcgtga	ggctccagga	accctggacc	aggagcacac	ctactngaca	600
agcttaagat	ctccttggcc	agcaggacgc	ccaaggacca	gacctgtgtc	aacgtnctgg	660
aacaagtgtg	cggcgtnct	tcaagcangg	gaactgacct	ttcaaggcaa	ggtgggcttc	720
aattgtcttg	aaggtccgga	tggct				745

<210> 3798

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(784)

<223> n = A,T,C or G

<400> 3798

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ttacctaaat gagagtcttg gggaagagtg ggattcctct gaagaagagg actctatggg      180
gcccaactta tcgcctcttg agagtcttgc ctggcagggt aagtgccttt taaaatattc      240
cacaacttgg aaacctttta atcctaattc ctgggtgtat catgctaaac tgttggatcc      300
aagcacacca gtccatatac ttcgagagat aggtctaaga ctctccattt gttccattg      360
tgtcccaaaa ctggaaccaa ttcctgaatg gcccctcttg gcctcttggt gagtcccacc      420
ttttcaaaag cctcttacaa gtcccagccg gctctctaga gatcatgcca ctctaaatgg      480
agcactgcaa tttgccacca aacagctaag ccgaacattg agtagagcca ctcccatacc      540
tgaataccta aaacagatcc ctaattcatg tgtttctggg tgttgctgtg gctggctgac      600
taaaanagtt aangaacaa cttgtactga cccattaac actantttat ttttacattg      660
gncttccaaa agggcagggt naacaaactc cntaacttgg anttccttgg aaaaaaacn      720
ncntttggc ctctgaanat ctnnngnngn gggctaaatt gganaaaagn ggggtccaaa      780
atth

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<210> 3799

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 3799

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gcnnttnatt anatcagcta cttgttcttt ttgcaggatc cctcgattcg aattcggcac      60
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caccttatac attacttaat ataagttaac tacaaagagc ctctccattt acatttttat      180
catgcatctt acattttaat gtccttatct ttttatagaa aaggtcataa taccataata      240
aaaagaatct gtaatatccc tgatgcagca acaattgatc acatgcttct acatgtgacc      300
acaataggaa taaaataaca gcgtaagaa atttgaaagt tgtattacat cattattcac      360
tgttcaaaaa tttttttcaa gaaacaagta cactttcaat gaaattacaa tgcttcagaa      420
aatctccctt ttaaagttat atacaaaaac agctttagtt gtggattcat ttttatactc      480
aatactctga tttagtgtaa tgtctgaagt gtcagtgcct tattctagtg taaattctca      540
tatttacgta aaatcaattt tgaattaaat atttttttca tatttacatc tgcaaaaata      600
tactttagta taaactctct gatgttttct aagctataga ttttgaaaaa aaaagtcttt      660
ccaaattcat tatatttgca ggactcttct ncaatataaa ttccatgatg tggaataaag      720
ctggagcaac tgcttcangt tttcctctag

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<210> 3800

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(742)

<223> n = A,T,C or G

<400> 3800

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atctgttact	acttcagaaa	ttgctggttg	atgttaggcc	cctcctatct	gtgctctctc	120
agctacagtt	tcccgtttga	gcataattcat	tcttttttat	ttttgctctg	aacaaaaata	180
ttagagttac	aatattacta	tattccaggc	cttgctagaa	actggggata	aatctatgaa	240
tatggctgct	tccttggaag	acctcacagt	ccagggaagc	caaaccctgc	agacatgcag	300
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gacttgaatg	actagtttagc	ctcaggcaca	gcattctggt	tggcnttggg	gggggggggn	420
aantactgcc	tctcagcctg	ggcaagtcac	ttagagatcg	cctcgtcact	ctnccatcct	480
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ttctggcaac	agaggtcctt	caaaccceaa	ttcctattaa	aacttccatc	acttaccgcc	600
cttctttttc	aaggggacca	agccagnntt	attnccceca	ttttnccagg	tnacttggtc	660
ccttgggccc	aanaatgtgg	tggaaaattt	ttggggcaaa	attcccctnt	ttttcccttn	720
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<210> 3801

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (785)

<223> n = A,T,C or G

<400> 3801

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agtggcagtg	ggagtcgaag	cgaggggtctg	aagttcacga	ctactagaag	gggaggggag	120
tggaaaggct	ctcagtgaaa	aangtattan	aattatttct	gaattatcag	tctctcattt	180
gtgcttttga	gaagcanaaa	aggcaaaagg	ggtctttggc	catcttctgc	tggagcttcc	240
agggaggatg	tgtctccaan	agaccagatg	tccgagtttg	aaatcccaga	acccangagg	300
aaaagaatca	cagggaggaa	aagactgtcc	aaaggctcct	ggagtcttct	gttctctaac	360
cttgggaangt	tttgaacaat	atttctcana	ngatagccct	ttttttccaa	cctttttttt	420
ttntcatctg	tccagcatga	ctcatcccc	gggagtgggt	gaatgtcttg	tctttcaccc	480
aagaaaaggac	ggactttttg	attgggcttg	taaattttgg	ccactgggtg	cttaatggga	540
agtaaaaaaa	agagtcnttg	cttaccatgc	cggggaacct	anaaattacc	atcactggcg	600
tttttttngc	ttttggttct	tcaatggggg	tggtaggggt	attgaaatta	tttantttnc	660
caanaaaata	aaaaaatggg	atttttaaaa	aaaatttttc	atcccccggn	nnaanttttt	720
ngnnnnnnng	nttgggaanng	ncnnngcncn	ntattnannc	ttttnnnntt	nnnnncctnt	780
ttttt						785

<210> 3802

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 3802

gttgantttg	aanccctctt	gttcttttgg	aaggctccca	tcgattcgaa	ttcggcacga	60
gagatgttat	aaaatgtgta	ggcttttaat	atataagtta	tttgggctcc	tttgttttgg	120

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gcataacttna aacagaagaa aaccccttct gggggcagaa aagctagaac tggatatcac      180
agttccctct ggggtgggctg ctatgtgtca attcgatctc cttaaaagaa aatngtggta      240
gcctaaaata ggggtctttct ttaccacaag ttagatccct ggcagcaatc tacttctcga      300
aacagaataa ccattcaact atgacagcta tcttaaaatc atagactgta aataatattg      360
gggcacttct acatatcata gaaaataatg tttcaaccag aaaacatctt acctttttaa      420
agctttccnc cccctaaaag aaagacatcc aatagaagtt gccacttctc catttatcaa      480
aagtaaaatc tacttccatg taggnccggc nacttctttt taccttncag tcaattctta      540
actatttaaa gactaaaaca aaataactta tctgnntttc cattttacta cagtaaatgg      600
gtattaaaaa tagttcacat ggcttttctt tttaaattca aaagggtatt aacctgggat      660
ggtggaaaaa cccaccttta nccacacctc cttaaaaata ccttaacctt aacttnccta      720
aaaccaattt acccaganca actngggggc t                                     751

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<210> 3803

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 3803

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cttaattcca tcagctactt gttctttttna agcattccat cgattcgaat ttcggcacga      60
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tttggtgatn acctnncaat aatgtttggn nnacatgccca ntnattaaat taattcaaca      180
tgaagttgaa tttgatgaaa gtggtcacgt tatccangta ttnggctttt gaangttttg      240
cangtnaatg gagatggaac tcnccctgnc acacacnctg aactncantg gtgcaatctt      300
tgntcactg caacctccgn cactgggctg gagcaattcc cctgcctcan ccttnaanta      360
gctggaatta caggcatgtg tcaccananc ccgggggtta aaattntttt ttttnatttg      420
aggaaaagcn gggtcaccat gtaggcacgc tggtntcnaa cccctgacct nangtgatcc      480
acctgncntt ggccttcaag gngctgggat tacaagctta aancaccatg tcagccagcc      540
aagtattngg nttttnaaaa atttgannnt tcntttgctc aaaggaata naattttcct      600
nctgggtnaa aaagaaacct tttnaaagcc cnccttntt ttcaaaaana aaaattttaa      660
anttcntttt gggnggtaaa acctggcctt naaaaccctt ttnacttggg caaaataaat      720
tttaattttt ttncctcctt tnantttttt                                     750

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<210> 3804

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (711)

<223> n = A,T,C or G

<400> 3804

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attgcgccat gcctgcagcc tggcacggcc agngnctcct tgtcaaaaaa aaaaaattaa      180
tnaatgcctt tggctaaacy taaaagcmtt tnttggacca ncttaatgct taaaatctgt      240
tttngttcca ggtgggttgt taacagggac tcattttttt ggtcttggat anggatcccg      300
gctactcaaa cagaaaaatgg aaggaggat ctggttaaag aaaacaccag tntccagaat      360
ggtgaagntt tggnaagaaa actcctttct tgctcaaaga aaaattttaa aggttnggnc      420
cttttcccaa aaaanccna cacttttttt tttcttgant gaangggctt taaaatttct      480

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tnngaaatag	ttttaccaa	aatgggattt	aaaaaatcc	taccgatcaa	gatgagttca	540
gctagnaagt	cntncncct	caggatcagc	ttaagtattt	tacttgattt	ttttaccaa	600
tcaatgcncg	tacctacctt	aatccttnaa	ataagtttan	aatttaccta	accccaaagt	660
ccaggagggt	gttnttacca	aaaaatagct	ttntcaaggg	ctggcnccta	a	711

<210> 3805

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(668)

<223> n = A,T,C or G

<400> 3805

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gtggcatcc	ctacctgtt	cctaacttta	gggagaaaga	atttgccttt	caatgagtaa	120
gtctgatgtt	acctntggga	ttttttggtn	natgctcttt	atgtgtttga	ggaaaacct	180
gtctactcta	gttttttaga	aggangnccc	tngaatecgt	gttgnatact	ntggcgatat	240
canaatngct	atggngngng	ncnngnttat	ncncattaag	ctcggaaata	ngtggtggtg	300
cgacatcaca	atgaccnata	cantactgna	ngggccctag	cnccaatcc	ttanggttcc	360
nnncatttnt	tctggctcng	aatcaactgc	atggncantn	ngccccccna	nnngaantan	420
ggaaggannn	tcacataggt	acatgtgact	atccttactn	aatctggctn	taaaaacatg	480
gtcctnnaca	tnaacatntt	anancatact	ttgcagatnt	ttgcggmctg	cnctgaaatg	540
tcccataaac	aacntnntta	cttnanggaa	aaaanatact	ccatgggggn	naaanaacca	600
tggaggaang	aaggnaaagg	gccccncatg	ccnctgcang	tttancaagg	gcagnttatt	660
tattctta						668

<210> 3806

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(707)

<223> n = A,T,C or G

<400> 3806

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gactagaaag	aggccctgcc	ctctagaaag	ctcagatctt	ggcttctgtt	actcatactc	120
gggtgggctc	cttatcagat	gcctaaaaacn	tnttgcttaa	agctcgatgg	gttctggagg	180
acagtgtggg	cttgnacag	gcctacagtc	tgaggggagg	gagtgggagt	ctcatcaanc	240
tnttnggtct	tggcnttatg	gcnaccactg	ctcacccttc	aacatgcctg	gtttacgcac	300
natcttgntc	atgggaagag	gtnggtggna	gactctcana	gctcaagatg	ctnagagaga	360
aagntccctg	aactgggccc	atctgacttt	ctacctacce	cattggtttt	tttggcncct	420
ttnttccac	tcaatanctt	ctggcagnat	netcctgagc	cacatgtgcc	angtactgga	480
aaaacctnca	tctttggcnt	cccaagagct	ntanggactc	ttcatcagca	ctagatttgc	540
ctctntaag	tntctatgan	ctcgcaccat	atttnataaa	ttgggaatgg	ggtttggggg	600
atttatgcnn	ncctataaaa	actatactga	gtcgtntttc	gnananncaa	nacnttataa	660
gnatncattt	gatnnanttt	ggnccccccc	ccttcttana	attnggn		707

<210> 3807

<211> 698

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (698)

<223> n = A,T,C or G

<400> 3807

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tctgttaatg	cacctctgtc	tttaattgtg	aancaccgta	taaccatgca	tcttaccata	180
attgggggtgc	atgtctgtgg	tacatgggca	caaacatttt	tctttcagcc	ttgtaatcac	240
atctccaagt	aatctaagca	aaaaagaagc	aaaatctaag	ccagtggaca	tgctganggc	300
tatcttaagg	gcttctggaa	tgacaaaggc	cagaaatcca	tcttcatatc	attttttttt	360
tttttggaat	cnaggtcttg	ctattgttgc	ccaagcttaa	aaaaattggc	ccgggggggn	420
ngcttttcna	ggngcnanat	agttaatgna	tcctttaacc	tcctgggggt	aaanganccc	480
cctgcctcaa	nccttttggg	gaacttgagg	cccaaggngc	nccnccccac	ctgggaantt	540
taaaagcatt	tttatataaa	aaggggaagg	tgggctgtng	ncttttcctn	tttacctttt	600
aaaccgggga	atcaaaaaan	aaggggcaag	nggggatttc	gggccataca	agcnggggtt	660
tggggtcctt	ggggggaaca	tttttttttt	ttttttta			698

<210> 3808

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (639)

<223> n = A,T,C or G

<400> 3808

ttccatcngc	tcttgttttt	tgcaggatcc	ctcgattcga	attcggcacg	agacactggg	60
ctcaggggct	gagccattgt	tgggtgctat	tacttggtgt	gggaaccaat	anggaacaga	120
aaacaancaa	aacactaacc	agagaancgg	gcttattgaa	tnctttgcac	ctaagaagat	180
taagaggaaa	aggaggaggt	tagagtgggt	gccntctgct	cctccggtgt	ctgagtgttg	240
ataagaaaga	tagatgttag	anggtagcag	aattgtgttg	caagaattaa	agccaccagc	300
agatgagact	tggaccctaa	ccaattcccc	aggagaacct	gtgaaaaatt	aatgtcttga	360
agtaatggac	atcaaaaagg	gcacttattt	tttggaattt	ggnaaaangc	tctagatcct	420
taggaggatc	tattttgctc	atttgnnngt	gagaaactan	attcaaagag	ataagtactt	480
gctcatcatt	agtatggcag	agccaaatca	actagatgta	acntgtctta	aacaccgact	540
gtaatgnaat	ctataactnt	actggagatc	tncaataaca	gcctcagtga	ccttgaaacc	600
cncagtngtt	agtaaataatc	ctggttttcc	tgattttagc			639

<210> 3809

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (727)

<223> n = A,T,C or G

<400> 3809

nntttgaant	ccaatanata	tatngctant	tgtgcttnat	gcctatangat	tcgaattcgg	60
------------	------------	------------	------------	-------------	------------	----

cacgagccta	cctcaccagg	ttgtcgtggg	gagtgaacaa	ggtgagtggc	cctcacctac	120
agactcaaca	tatggccttt	ggctcttccc	acttccaaga	gtcttggaag	ggatgggtcg	180
agcaagcaga	ggaaaggaag	atgtgagttc	ccaaaatgct	cctcaccttt	ttcttctgag	240
tgggctcctt	ctcactgcat	tggagggcct	gcggcganc	atggctctcc	accctgggag	300
actccgtccc	tgtctcttta	ggtgtcaaga	tcagaggcct	cttgcttacc	taccagactg	360
cccgggggca	cggcatgaac	cgagccttca	gcttgccaac	nttcnttggg	aaccnttttg	420
gnntgaattg	caanttgggg	gtgcnggcc	tggacacccc	ggcagcaacc	agcatacaag	480
aagcccttgn	cacgtgacct	actcttacag	caatcgagc	cctgccggcc	ctangggagg	540
aggaagtcca	acttcagtct	cagagattct	gatgcagtat	atcaattgng	ggttggctgt	600
ggccaagaat	ttttaataac	ttttnaata	acctttcttt	gggtatttac	caaaaagccn	660
aacttggtan	tttgggtcaat	acaaatTTTT	caccaaacc	ccctttaaan	ccaaaaaaa	720
aaatTTT						727

<210> 3810

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (728)

<223> n = A,T,C or G

<400> 3810

nttcnntttg	aancettaca	netcttgttc	ttttgcagga	tcccatcgat	tcgaattcgg	60
cacgaggtcg	tcggttttct	gaggggtactt	cagctgacag	agagattcag	agaacgttaa	120
tggaggtaat	atttggtaaa	gggggtttat	aaagaaacca	atgtttatta	aatgaagaac	180
tgaacattgc	atatttgata	gtcaaaatat	atagaacatt	ttaaataaaa	tatgaatTTT	240
gaaaatattg	tcaggaacaa	acatgtttct	ctatcacaaa	ctctaagaaa	atgactactg	300
gaaaataaagg	ctatctgcca	aattccattt	ggtatacacc	tgtactattc	tgtgtttttt	360
gagtagatca	gtcattcata	tatttaaatt	cttatgaatg	tggaaatcctt	ttgggccggn	420
gcgagttatg	aagacatttt	tggnatggca	tattaagact	gttggcaata	aatgagctta	480
attatgtatg	aagctgctct	aaaaattatt	ttttctctca	ctttattgct	gagactgagg	540
caactnaaat	agntttgata	attggaagan	gatnnatgac	agaatgaaaa	gaatgcctta	600
aaggnccttt	ccttccnagt	ttttaccctt	tccccactt	cccaaaaatt	cttntggaaa	660
aggtggaatn	ttcaaaaaat	tnccaaanta	ccattttttc	ccacctttca	aaattgggaa	720
aacntaggt						728

<210> 3811

<211> 931

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (931)

<223> n = A,T,C or G

<400> 3811

gnntnannac	ngaaactntt	naactcctgt	tcttttttgc	ggatcccatc	gattcgaatt	60
cggcacgagg	tggctgttaa	gaaaacantg	gttttttctt	ttaaggtgat	catttcattgt	120
tcctatggta	tggatgcatg	tagacctttt	angaaacagt	taatgaagtt	taatctgctt	180
atgtggaagg	aaaaggtttg	aatggaaaag	gcttcttggc	atgcaacgga	anccgccctg	240
cttttcccc	gatgtgtcta	tttaggaaca	tttctgtgac	acttgctctg	gcgtctgcaa	300
cctgctacgt	ngctccttga	tgganggaan	aagcctggcc	gtggtanagg	gaaagctgag	360
ctctgttggg	aaaatgagag	ttcctattgg	agaaatgcct	ctgggcaacn	tgnetggcct	420

ttncnnnaaa	ngtttggggg	ccgacatagg	ctgtgtacaa	gccanagtcn	aaggtattaa	480
aacctaacca	gccantgcag	aagtcagntt	gggagggtcc	nggaaagtgc	ctaaactaag	540
gcccnaaaag	gaccaaangg	gcccggnccc	cccaggggta	nttaaaaaaa	ttaaaaaaa	600
tccanccct	ccaaaggnc	cttaattntt	ncaanttttt	cccctgggccc	ccttaattcc	660
ccaattcctt	tngggncctt	tngggggaag	agcccnttna	aaattttngg	gcccancctt	720
cctttttggg	cnntttnaaa	aaaaagngt	gggnaaangg	gggntttttt	tttttttggg	780
ncctttccaa	attgggggna	aaaaagggc	ccttggggccc	cctttaaaaa	ggggggggccc	840
ttggggtnaa	ncctttccaa	cnntttaatt	tcccccccaa	nttttaaatt	ttttgncccc	900
tttaattttt	aaaaatncct	tnccccccat	n			931

<210> 3812

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (798)

<223> n = A,T,C or G

<400> 3812

gggcnctnec	tnaacctttt	gaaactaccc	gnnctttttt	caggatccca	tcgattcgaa	60
ttcggcacga	gnaaagaact	caaagggcag	caatncnttt	aagtaaggaa	accagttagg	120
agataattgt	ggtaatccag	ggaaagaaag	atggcagttt	atactggggc	attgccagt	180
tggatagaaa	tagatctcag	aagaatttta	ggaagtagaa	gtggcaaac	ttggtgactg	240
aattgtgagg	gcagaagtgg	gagaaatcaa	ggatagagtt	tcttaaacia	gctttggtga	300
agacagggac	taccctatct	gctgtcatgt	atccacagct	tagcacaaat	ctttatacgc	360
tggagatgct	tgataagtac	cgagtgaat	tttctggctt	gagtacccan	ataaatggga	420
tgccagtctc	tgatttaggt	aacacagagg	cagactcact	tgggaggtaa	ctggtgattc	480
anttttaaac	atgtctagct	caacatgcct	gtgaaacata	cacatgacaa	tgtccagata	540
cattggcaat	tnggatgaat	tgatttctgn	aactcaanaa	agagaggtct	gagatgggat	600
tctttgcata	ccttaccaaa	aaaaaaaagg	ttntgtttt	tttngnaant	naacncgntt	660
ttntggcctt	gttaatccca	ntncttttng	gggaggccna	ngnncggggg	ngtnnnccna	720
aggngtcngg	nntttaanan	cnctccccc	cccaaatag	ggngnaaac	cctttttttt	780
tttaaaaaaa	aaccttcn					798

<210> 3813

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (465)

<223> n = A,T,C or G

<400> 3813

atganncttt	tacaanctac	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	60
gaggagaatc	ttatatTTTT	aaaattgtcc	ctatgttaaa	tccagatggg	gtcatcaatg	120
gaaatcatcg	ctgttcttta	agtggagagg	atttgaatag	gcagtggcaa	agtccaagtc	180
cggatttaca	tcctacaatt	taccatgcta	aggggctgtt	gcaatacttg	gctgcagtga	240
accgtttacc	tctggtttat	tgtgattatc	atggccattc	ccgaaagaag	aatgtattta	300
tgtatgggtg	cagcatcaaa	gagacagtgt	ggcatacca	tgataatgca	acttcatgtg	360
atgttgtgga	ggatacggga	tacaggacat	tgcctaagat	actgagccat	atcgccccag	420
cattttgcat	gagcagctgt	agcttcgtag	tggaaaaatc	taaag		465

<210> 3814
 <211> 516
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(516)
 <223> n = A,T,C or G

<400> 3814
 ttcatttann ctnttttttt gcaggatccc tcgattcgga agagcttctg caggggctga 60
 gcagacccca gggcctctta gccaatcccc gggcctgggt aagcaggcga ancatatggt 120
 cggaggccng caactacctg nacttgccgn caagagtggg caatcttttn tgtctctcgg 180
 gaangnccca annctcctcc cccaanttga nanaaaaagn aagttntggt naaccancn 240
 taagccataa gttccccctgg gggccctggg ganaaagnct tcaatcacng ggccaagggc 300
 ttctggncce cattnattgn cttggacaag aactctgggt cacaagtctt gctnngtctt 360
 gctgggggan cccnaccnga cattgggccc cagacttgct ggtcttnttg ggaagaaggg 420
 caagacccca aaccaagatc caaaatacac ttncagctct taaccaaggc ttncctttcaa 480
 gtcacaagtt gttgccngaa atcagtaaca agaagt 516

<210> 3815
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 3815
 attcattnca cnnctgggtc tttntgcnag atccctcgat tcgaattcgg cncgagagct 60
 ggggggtgact acagctcacc tgcagctggg gagcaacttc aangcgtgag acccaggtgg 120
 gccgggcctg gaccctgtg ccatggcaac nntgatattn cagangtntg nnntangcnc 180
 atnactgttn nnggtntntn tctaggnggc cttaanttan cacatcnnnn tncttcgnta 240
 gnnnaaatgn cctentatna gcatnccttc cttcnetgan tgntnnatga gagcatgatn 300
 tataatgcct gaaagancct gggtnngnga ttatnnntna gtaataaat nattctnanc 360
 actatcacat gntgantgcc ctncnancnc ncctngngna aagagaanac tgacaannng 420
 gnntantnt antncctngc caanancnnn gttaccagcc t 461

<210> 3816
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 3816
 tntacgttca agctcttgct ctttttgacg gatcccatcg attcgatgcy cttattaggt 60
 attttatctt tcaaaaatat atgtnccaa ctgtgtttgt ttgtttcctg actgtgaaca 120
 ctgaagagga ctagatcaaa aatgaccaat tgagtagcaa ttgaacattt acagtgtgtt 180
 gtgcagtga cttctgtagc acccaaattg tgggggtggg gaaaaaccat tccaccttaa 240

```

aagaaaacca agcctttctg gcaaaattgc tgattctagg ttttggccaa gaaatgtaca    300
tgctgactgg aacattgcat aacagttagt aaggaggctg ttaaagacta tttagggtca    360
tttcagaaaag actggagaaa tgactgtaga attccactg gccagagat cnggtagaaa    420
cctgtgaagt gtgtttaaat tcttgagttc ataatgggta ttttaa                    466

```

<210> 3817

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(459)

<223> n = A,T,C or G

<400> 3817

```

tgcctncag ctcttgttct ttttgcagga tcccatccga ttcgaattcg gcacgaggag    60
aaactgcatt ttgggggggt ttgaaatcca aagaatgcag tttgtaggca gtcgagatcc    120
ttgaaaaatc aagatggatt ttaataatgt attaagaata aattggattt gaatcaacac    180
aggaaaacag gattttactt agagactatt tcagtaattt tgaaatcatt gcccaagatt    240
gtagtgtggt tgtttataat gggtaggtta tttatttgtg aatcccaaatt gtntctccatc    300
aacattccat tgaataattt acaaaagcaa acagcagggg tttatgtttc tcttctccta    360
gttnaatatt gtggcagcat atcatacttt gttttagact aatttaacag gagttaatgt    420
ttccaagtaa atcattatta tctaaacagt gtctttttn                    459

```

<210> 3818

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(465)

<223> n = A,T,C or G

<400> 3818

```

nnntnntan tcaagctact tgttcgcagg atcccatcga ttcgtnttca tncanggggt    60
anatgaaaag gcngaattga ttttattnng agccgtgnga cgtgccgtca gaggetntct    120
gtntctcttc ctcaattcag cgcnnantgc cacnccaan aaacgggatt ctaccngnct    180
gnnngcncgt ccgnntgct acctcngtg cccatgcac gnntntcacn ccaagaaaga    240
ggctnccttn ctcnntnct tcattngtac atagacnaat cccaaaaaaa nnatgaacnt    300
nagcgcaaga gncnttgact cccagggaga tancgacngt agctcttctt cctcaaaata    360
atgcatgatg atgcngcata cacnttataa ccaaantatg ctngccttnt aagcnnacgn    420
ctgtcctcc nacactatna gaggcngaag cnnacntgat ctctt                    465

```

<210> 3819

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(469)

<223> n = A,T,C or G

<400> 3819

```

tannatcctt ancnnnnnnc tacttgttct ttttgcagga tcccatcgat tcggcctaaa      60
attagagaat tatctgctca gtccttattc ctgcagaata caaatgtcac attctaacct      120
gttaagagat tgtcttcaaa ataaaactgt tattaactac attaagtgtta gacaaagtac      180
acttttagggc aaaaggcatt attagggata gatttcataa tgatagagtt ctatagtaga      240
atatagtaat gcaactgaac aaaatgaagc tcattccact gcatggaaga atctcacaga      300
tgtgatgctg aacaaaggaa gccacgtaca aacacttact atataatttt atgtacatca      360
agttcagaaa caggatagtt acctttggga aggaggtaac tgaaagagta tgaggagggg      420
tttctggtat ctggttaatg tactttgtac cagttaccca ggagtgttt      469

```

<210> 3820

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (462)

<223> n = A,T,C or G

<400> 3820

```

gatnccaate anctacttgt tctttttgca ggatcccatc gattcgaatt cggcacgaga      60
caaggacaag aaagaaagta cggttgcaac ggctggctcg catgcatgcc gacatgatgg      120
aggatgttga ngangtatat gccgngaca tntgtgcatt gtttggcatt gactgtgcta      180
gtggagacac attcacagac aaagccnaca gcngcctttc tatggagtca attnatgtnc      240
ctgatcctgt catttcaata ncaatgaagc cttctnacaa naacganctg gaaaactttt      300
canaangnat ngnccggttt accagagaag atnccncatt tnaagtatac tttgacactg      360
anaacnnnga gacagntctn tctggnatgg gagaattnca cctgcaaate tatgctcana      420
ngctggaaag atgagntntg gctgncttgt ntcacaggaa ag      462

```

<210> 3821

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (464)

<223> n = A,T,C or G

<400> 3821

```

cttnnttaga tacagctact tgttcttttt gcaggatccc atcgattcga attcggcacg      60
aggattcatc ttcttgttct ttaaaagtca aaaggctttt tgacctttaa ataactctta      120
catctgggtca tcaactgttg aatgttctac taaattttca gagtggaaaa gttttaggct      180
taaaactgac tggtaaaaaat agaataattc tttgtattga tttttcagta tagctgtaca      240
gccagttatc cttcgttaag tgtttcggta ttaaaactgc tcacatttgt aaatattgag      300
cagctttatt gtcagaacaa gaatcccttg gtttcccaat ccccaacttt taacattgta      360
attaacatc ctgtataacc tattttattc tctgccaaac aattttatga ctgctgtttt      420
tactctttgt gatgaaaatg ggatggagaa gataaggttc tttg      464

```

<210> 3822

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (463)

<223> n = A,T,C or G

<400> 3822

attncaat	aagctact	ttcttttt	gc	aggatcccat	ccgattcga	ttcggcacga	60
ggcantagct	gtggggat	gg	agaaaagt	gg	acaaattaat	tagagagatt	120
ttggtgattg	aattgagcag	ggcagtgaga	ggattcccag	gtttctgact	gaggtgtcta		180
agtggggatg	gtgatgaaa	ggggaatatt	gggagaggat	cacgtttgga	gggagactaa		240
ggcaccatca	gtattctaga	gattagaggg	ctgtgagaga	attgtgatan	gagggattta		300
ctctttggca	gatatccaag	cgtggaaggg	ctgtttgatg	gactgtcctt	gataatcaca		360
ggcaggtata	ncctcaaggg	tttgaggatg	gctctaaagt	acatttcaaa	caccacctcc		420
tccacaaagc	ctttctacta	caactccatc	ccctgagtag	agt			463

<210> 3823

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (470)

<223> n = A,T,C or G

<400> 3823

anaatacctt	tacaagctac	ttgttctttt	tgcaggatcc	catcgattcg	nananataa	60
aangnnaaaa	tncagcaatg	gtncacaggg	tnnncctaa	nnnatctgcc	tgctgncatc	120
agagccnatg	tntctgggnt	nnntcttggg	gntacattat	ttaggccant	ntatcanggc	180
caaccctccc	anctgnctan	tagangccat	gnccactngn	taattcaagg	gcccagctcc	240
aggnnngttt	ncttctctng	gggancatca	gtnncttnt	nnntaccacg	ncattcccat	300
tngcatgttn	tngccgctnn	tcttaataga	taatatnnaa	accctnattn	ctcncgctna	360
ctaantacca	tcattnatnn	agtaaaan	ctnanaaaag	nngncaancn	agnngntnnt	420
gatnctnctc	ctccctccc	ccacctgtgt	ttttaanaga	caggattccn		470

<210> 3824

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (465)

<223> n = A,T,C or G

<400> 3824

ttanttcnat	acaagctact	tggttctttt	gcaggatccc	atcgattcga	attcggcacg	60
agaattcata	aaaggagtta	gttgagtgca	tgtgtggcct	tgtctagaag	caaaaattat	120
aatatcaaaa	gctctacgta	tgaattgggg	cttaattgtct	ttgtactcat	ttattctttt	180
attgaaaaaa	agctctaaat	gcctattttg	tgtcacataa	ttgagatttg	ctttgaaatg	240
tctgattcct	tactatagta	ctatctgagt	tgttcacagt	ggtatggtga	tccatactct	300
gaactgttcc	attatctgga	attaaaggca	tataataaaa	agaaatagac	tgtatttagt	360
ttattctagt	gtataaaatt	gaaaagtaaa	tagatgatta	gaagcaagtg	ttccaaataa	420
aaatttatca	gcaggtataac	aattctatca	ttcattccaa	cttgg		465

<210> 3825

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (460)

<223> n = A,T,C or G

<400> 3825

cnttgnattcg atacagctac ttgttctttt tgcaggatcc ctcgattcga attcggcacg	60
aggagagtct cactctgttg ctcagggttg agtgcaggca tgtgatcata gtcaccgaa	120
gcctcaacct cctgagctca agtgatcttc ttgccttacc tcccaagtag ctangaccac	180
aggtgggcat gaccacacct ggctaagctt aaaatttttc tgtatangtg gtgtctcact	240
atgttggcca nactggcttc agatgcctgg gctcatagcn gtctcctgc ctcaaccttc	300
caaaggctgt tgattgttta aatacgaana antttagaan atatantttn acgcacttaa	360
ttnttagtct ggtgatatac catccaaaan gcntctnatg ctggggcacng ttgantcatg	420
cctattatnc cagcacttng ngaggccnan gcnggangat	460

<210> 3826

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 3826

nncnntttga ttcnatacan ctacttgttc tttttgcagg atccctcgat tcgaattcgg	60
cacgaggctc aatcaatatt tattgagtgc ctacgacata tcaggctcag ttaggagctg	120
gggataaagc agtgaccaa gcagacacag ttccttctcc agtgagatta taatccagat	180
gggataggct ataaataaag gaagaagtta acatatatca ggtggtggtt agtgctgctg	240
agaaaaatga aggaggggag agagaaaagg ggatgccaca aggctagggt agagagttct	300
gtttcataca gtggtaaagg aaggcctttg tgttgagtgc tttgctctgg aacgacttta	360
ggatggggaa gaggcccagg tggcacctag acatttgaaa gtaagggctg aggctgcatg	420
tctctacctt tattttcttt catgtttgcc tttcatggat tttttttcta tgtatctaga	480
attaaatata gaactagggt gaaatatccc tcaaaaatgg tatgggagca actattagaa	540
tgaataggac tcttggggcc aatgggatgg aatgtctgtt tctggtcaag aggattgatt	600
ttgatactgg aatagaatat tcacatatat cttcccattg cctgactnca atgggtgcct	660
agctttccat caaagtggga cttggtgagg tggggatgtg gatgcatatt aattaaggta	720
cagctggcac cggcttaaat agaagggaag g	751

<210> 3827

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (463)

<223> n = A,T,C or G

<400> 3827

tnncnttcan acangctact tgttcttttt gcaggatccc atcgattcga attcggcacg	60
agaaacgacc acctttacga gaattctttg tcgatgactt tgaagaatta ttagaagggtg	120
agagaactct ttaccacacg tttcttccag atgtctctat ggtcccgtaa acaatgatat	180

ttttttctgc aaggctat	tttactttta	gagcagta	atcggtggc	atgccgc	atgat	240
gggaacccan gtagggag	cgggtgat	gttc	ccaggcag	cc	ttgggtg	300
aacctgggtt ttagtcgt	cc	tctgtggg	ag	ttgatttt	gt	360
tctctctaag aactctgt	aa	gagtata	gaa	atacaag	taa	420
caagtaaa	act	ggggaa	atcc	ttcgtctg	gcaaaa	463

<210> 3828

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 3828

gcnnnttgntt nnatacan	cttctgtt	ctt	tttgcagg	at	cccatcg	at	cgaattc	ggc	60
acgaggagtt ctcttgtgt	ttactcttt	tacagt	gaaa	ccagcag	tgt	gtgtag	cagc		120
agtgcactg ggctctttac	caatgat	gaa	gggcgaca	ag	gtgatg	acga	acagagt	gat	180
tggttctatg aaggagaatg	tgtcccag	ga	ttcactgt	cc	ctaattct	ct	gccc	aagtgg	240
gctcctgatc attgttctga	agtagaaa	ga	atggattct	g	gattgg	ataa	attttc	agat	300
tccacattcc ttttaccttc	tcggccag	ct	caaagagg	gt	accatact	cg	cttgaat	cgt	360
ctacctggag ctgcagctcg	atgcctca	ga	aaggggcg	aa	gaagctg	gtt	gggaag	gtga	420
tacctctcac agttagcttg	gctcagtg	gg	gagataat	at	tccctatg	gg	agttgt	gtat	480
cctattaaca atcagagg	tg	ctacaga	aact	ccctga	ag	tt	aatgg	agcca	540
gttgggagtt tacaagag	tg	aacattat	gt	agcatgt	gaa	tggatata	ca	aataaaa	600
gaaacgta	at	tcatatag	aa	gtactga	caa	aaaaaa	acac	tgtcatt	660
cctgtaaa	acc	tacaagc	ctg	agctggt	ctt	ctgtaa	acttt	tgattaat	720
ttgggta	agt	taaaatct	ct	tgcttn					747

<210> 3829

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(468)

<223> n = A,T,C or G

<400> 3829

tttccttttt gtaaacccta	cttgttct	ttt	ttgcagg	atc	ccatcg	at	tc	gaattc	ggc	60
cgaggtaaaa caccctac	agttcca	att	ctgggc	cctgt	cttctat	ct	ta	ct	ta	120
tctgggtccgt tccctgtt	ct	gagcccc	agg	gaacttan	gg	ctgaa	ag	tca	ccccga	180
ctcagaccag atcgggag	gc	cacacgc	agc	tcatggg	gac	agaggg	ccca	gggtg	acgg	240
ccactcatga gaagtgt	at	gtgactn	cag	ggagtct	gtc	cctctt	ccg	gctcca	atcc	300
ccagcccaag ctcagat	gac	ccagcct	gtg	tcccttt	tagc	ggccg	angag	ccacc	acctg	360
ttcgggggct ggaggat	ggc	ttccag	anga	cctggg	acac	tcacct	agct	cgttc	atggc	420
acggcggtac tcctcat	caa	aggaca	agct	tcataa	cagc	acang	tg			468

<210> 3830

<211> 467

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(467)
 <223> n = A,T,C or G

<400> 3830
 cnttgatncn tatacancta ctcnanctct tgttcttttt gcaggatccc atcgattcga 60
 attcggcacg agggggtctc ttctactgtc ttattggacc ctacgagtgg ctctgagcca 120
 gcagtctctgt cagttgattt cttgggtcgtt cctttgtttt cttctataat cacatgtgga 180
 ctacagaatga attttgagtt actctgaaat ctatttattc aacagatatt tacttagtac 240
 ctctatttgc cagactctgc tttatgttgg atattatttt ttaaaagccc accttgccta 300
 gatttcctca aaggaccagg tggcttcctt ggttttgaaa gaccctaatt cttactatga 360
 tcttaagtaa attatatcct ttctgtgggc tcaagttcct tctaagaggg ctctttgggg 420
 ctacaaaaga aattgttagt gcaaaaagag tttataaggt ttataaa 467

<210> 3831
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(471)
 <223> n = A,T,C or G

<400> 3831
 tntttnanta cttnaantcn natacanget acttgttctt tttgcaggat cccatcgatt 60
 cgaattcggc acgagccgag ctgacaagtc aactctaagc acttatctag aagactgtaa 120
 atttgacaga gagcgaatag aactgttttg cacggaatat cagaataata agaattccct 180
 agaaatccta ctgggaagta taggcagatc tctccctcat ataacggatg tttcttggcg 240
 cttggaatat cagataaaga ccaatcaact tcataggatg tacagacctg catatttggt 300
 gaccttaagt gtacagaaca ctgattcccc atcctatcca gagattagtt ttagttgcag 360
 catggaacaa ttacaggact tgggtgggaa acttaaagat gcttcgaaaa gcctggaaag 420
 agcaactcag ttgtaacttg gggaagttaa cgatccgccc gagtgcagag g 471

<210> 3832
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(470)
 <223> n = A,T,C or G

<400> 3832
 tataccattt tgaattcmna tacaagctac ttgttctttt tgcaggatcc catcgattcg 60
 ctgctaaaag gcggatagat gttcagttcc tccatgaaat gagatttagt tcccatgtaa 120
 tggcattttc cataataact gctgatatca tcaaggtaaa gagagctgct tctcctaact 180
 acccatgaaa gaatttagct ttttatattt ctacctctcc catatagttt aatctctccc 240
 cactgcgagt atgactgact ccaaggtatt gaagtctgtg ctctaattgg gaattcaatg 300
 aacaagactt cagtgaatga acttttttag ccatattata taaaatgaaa aaggatctgc 360
 tcctcatttc aatctcctgt acaattgctc ctgaacagta gtacagaatt gtagagatag 420
 cacattatgc aacctggctt tttatctgag acatacttaa tgaaagcaca 470

<210> 3833

<211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (465)
 <223> n = A,T,C or G

<400> 3833
 ntccnttgga ttcgatacan ctacttggtc tttttgcagg atcccatcga ttccaattcg 60
 gcacgagccc ctgtgcccct tccccaggaa atcaagtcct aaggaataag agtttggttg 120
 acagagttga gccttgagg gacacaaaac attgtaatat ctaagatttt tttcatactc 180
 tcccagaaaag aaccaatttt caccctgggg tggcgggggtg gtaaaattgc ccctgttcag 240
 aatacatgct ctaataagcg gcagccatgg gattttatcc taatactgag tctagatgcc 300
 aaatcttttt caccctgtct caaaacaaac aacaacaaca gcaaaaagat cactttggct 360
 gtttttattt ttggctgtta tgtgaagaat gaattgcaat ggggcaagag tagaagcacc 420
 aggagaaaag caaatgagtt ttgaataaat attttcccc atctt 465

<210> 3834
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (469)
 <223> n = A,T,C or G

<400> 3834
 tgccttttga ntacmgntac aagctacttg ttctttttgc aggatcccat cgattcgaat 60
 tcggcacgag aaagcatgtg tgttgggggg tgcgtatcat ttaccatgt gataagcact 120
 tttcataggt agcaaagaca cattatgtaa acttaggagg agggagagaa tgcaaatttg 180
 catgtgaatt ttattttgat taatcgcttt ttttgctttt cagcaatgtt atttatgaac 240
 aacaaaatta tagaaaaagt gagaaaaagt caattatcaa ttattttctg atgaacaaca 300
 acaaagacaa aaaaatgggt ggattgattt attttcccc gacagaattg attgtttctt 360
 taggttctat gcaacttgca gactcactga ggggtgaatg aatgtgctga aaattcagcc 420
 tgacttggca gctccaaggg acacacctca atgtagagaa agcaggaat 469

<210> 3835
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (465)
 <223> n = A,T,C or G

<400> 3835
 cnncaatgg ntcccggttc aagccacgag cccattttgc aggatcccat cgattcnaat 60
 tcggcacgag gcacaggcca cggagagaga gagggcgggc ctggatgaag ccgtgggcgt 120
 tgggtgcggt cgaggcccan catgcttggg ggaaagggtc ccggtggctgt caagtgctan 180
 ccagggcnnng agccgggctt gtgtttctcg ctcanntna nccatctntn atctgnttca 240
 aagggnattc aaannccng ggtcagattg tttcttggat tacnctgac gtctggcctg 300
 ccttatccac cctggaaaagt tctaagcaga taatanntat gtggcatntc tgagggtttg 360

atgccccgag cegttttacaa tatgcttccn gactgaaagc tgggccctga ntnnctnngc 420
 tgagnnctac nttggaaacc acgttccccct cagnctcatt atcac 465

<210> 3836

<211> 1039

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1039)

<223> n = A,T,C or G

<400> 3836

ccagccanaa	nacngngana	aaaggncnga	cgnaacaga	nnncgannc	gacgccngnn	60
gaanaagcan	anancacccc	cccaggcggt	ggaacccttc	anagncgacg	aaggcagacc	120
cacganCGAA	ccggcagcag	actgannaga	ncnggcncga	aaaagtgtgn	gccatactga	180
gacccacggg	cagccncncc	gccnctacag	ngncaggngg	accagggaca	ccncnggacn	240
gcgcannacn	gagaannaag	gaancnangg	ccggcagcga	gggcaaggga	gggannnctg	300
cacgggacgg	canaacngca	agccagcctn	caagcnggca	aganccagcc	aggnggcggc	360
aaaaacaaga	aacagcccga	ggcncagccc	ggcncncaac	caggcccnaa	ncaagaaaag	420
anaagcaccn	gngcnggacg	gcngnaccca	cacaacgggc	acgnaaaaag	ggcngcccgc	480
gnggacacng	cnnnncatng	gaaaccaccn	ccnggnaaaa	ancaccanaa	gggggcccngc	540
anaaaacccg	aacnggganc	aagngccann	cagnncgggn	aaanaggang	naaaaacngg	600
ccagnnngcn	accgnggaaa	aaaaaaacgn	cncnmatn	gncgcnnnnc	cnnncacggc	660
aananaccan	agcgggacag	acannganng	canacanang	cgancggaga	ananggaaag	720
aagggagaca	aaacagcang	amngacgaan	anggnacacg	cnacacgcac	agcggangng	780
nancaaaagn	annncncgca	nnannagnng	gnangcaaaa	naacgcgang	agannagana	840
gnggacgcac	nngcncacna	gangggcgnnc	ngacgnnncc	ccaaaacgac	nnacgnnnng	900
gagcaganaa	cgacgcacna	naaaggacgn	anganncann	nccgngaana	aagggnagaaa	960
nnngnngnacn	anggcgacnc	caggagacaa	canangnnaa	agcnaagccc	cnagnacaaa	1020
agcaccaaaa	naancnccg					1039

<210> 3837

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 3837

gcnnntttgat	ntncatacan	ctacttggtc	tttttgagc	atcccatcga	ttcgaattcg	60
gcacgagctg	ccttccaaca	aaatcgtaa	gcgggcagag	gagttggtgg	ggcaggagtt	120
gccttattcg	ctgaccagt	acaactgcga	gcacttcgtg	aacctatctg	gctatggcgt	180
ctcccgagc	gaccaggtgc	atcttcagcc	tgcateccct	tcccaggagc	caggccactc	240
cctcagctgc	cagaggctgg	gtccctgctg	gggccagggt	gggatggaaa	tagacatgag	300
caagacaaaa	tagcagatat	gaaactgttg	tccttgaggg	tgtcacattt	ggggtgggga	360
caagggtggg	gagataggca	agtcggcaat	gtagaccagt	gcagtgggtt	gggggggtggc	420
cacagaaggg	agtcacagcc	tgaaacagcc	ctccacagcc	ctagaggccg	gctttatgat	480
tcccacttta	cagatgggga	aactgaggct	caccgtgctt	aagtaacttg	tccaaattca	540
ttaaactcct	agttattgag	tctctagtcc	atgtcancca	tgggtgaagaa	cgggggagtt	600
aaacctacat	gtgttctctc	caagggcccc	gatcaaggaa	agcttttgta	gaaanangtc	660
acacccgagc	ccacctgatt	taattatttt	gattaatctt	gaaaaaaaaa	tgaacctgga	720

gattaccagg gaaccggggg ccaataanga agtgtagct

759

<210> 3838

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 3838

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gncnntttga ttccatacan ctacttggtc tttttgcagg atcccatcga ttcgaattcg      60
gcacgaggca cgcagcacc actcagcacc tcttagaaga tgcgtccgta gtatatagta      120
tgatttttcg aaggggattt tgctcatatt aagggttgct ttagggatgt ccaggaaggg      180
tcaggtaagg aatctttcaa tctgctttct aattggctta gttttccac tgtcttcgca      240
aaaggacagg aatttccagg ttagtttgca gcttgcttt catcaagcga aatgctcatg      300
ctgttgggta gatggttaata gaaacctttt gctaccttta tttatcaaga gttgtggagc      360
cgaggaaccg tgtcttggga gttgtgcagg attgaaactc acaaaaaagc ctgtttgaag      420
aagttgtttac ctatatttat tcaaggcagt tcacaagcct tataactaact ttgcggggtc      480
tttcagttga gcttacatga ctgcgcttgg ctttgtgcct tggcagccaa catttgccat      540
gcaggaggct tcccagaaag gttcggatc ctcttcaagt ttgagaagcc tgactgagac      600
cattctcagc atggcatgac ccgtgaatca ggaagtgaga atctggagta ctgctaaggc      660
accttggtgg tggaatgag ggtttgagat gccaacctt ctgtgccttc ccacaacttc      720
caattgtttc cattgctcat ttgaccaacc t                                     751

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<210> 3839

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 3839

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nccnntgaa tnccntaca nactacttgt tctttttgca gggatcccat cgattcgaat      60
tcggcacgag atgaatttgt ctctgaggat attcaaagaa agcagcagta gtagtgtaa      120
agggctccag ctaggccttt tcagttcttt cctatcattg ttaatgtaga caaccatttc      180
ccagattttt gagataaatc aatttattta tttgcaatat ttacatgcct acatggtttt      240
ttaaagttat tttaatgtat ttttaatgat taaaaaatta tgtcccgat ttattagtca      300
ttcattactt accattattt gcatttaatc cttaaagcag aagtgtacaa aaaagagatt      360
aatgtaaagc aaatcaatga ggattgaagc aaattaattc tctcaaaata aatatgtagt      420
atctttagat aatttggcac ctgctgagtt tgtcaatctt agcaaactag gccatttaga      480
ggaaataatt ctgtctactt tttgagtgtg ttttttaatg cttttacttc tgggtgtgggc      540
atgctgggatt ttatatttct aaaaaccaat aaaatttgga aggcattgcc tctaaatggt      600
acctaaaaaa tagaaaacac aaccntaaa tatgcctagt aattagcaca tattttatgt      660
catagaaact gattcctggc tggcctggtg gctcacacct ggtaatccca acactttggg      720
angttgaagc agggggatgc ttgacccttg                                     750

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<210> 3840

<211> 751

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (751)
 <223> n = A,T,C or G

<400> 3840
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 cacgagatta gatactatag taggttaata atgactaaca ccttgtcac tcactactga 120
 gcttttgtct aagatagtct ctgaatttag aactgggacg aaagtgtaca taataggcta 180
 ttataaaaatt tttagaattg gatttctaaa cttgggggtca gtgaatctag caggcttaag 240
 cagtgttctc aggtttttct ggcacagaca aggaatataa gaggaggaga gaaaaggaga 300
 gacagtagtg ggagggaata gaatgagaga agatagaaaa tatggaatta atagagaaag 360
 gatacatgaa gtattacaag attttcttgg aaaaattggc atttcagtga tggatcaaag 420
 atgtctaatt aggcaaaatc tactattact taaatattta atgtttttaa gatttgagga 480
 taaaaggata tagatctgat ggcgttcata ctaattgctg tagtgttgat gttggagaga 540
 ggggtaattg atcaagacag agcagacaga ccctttacaa tgagagcaga agatatgttg 600
 tttactgatt ctactttccc acaaaatgct aatgctttta taagtccctc ctccntattt 660
 tctagattaa ctccntgttt ctctctctaa accagangat tatggcagac aggcacaaaaa 720
 aaaaaaaaaa aactcgagcc tttanaacta t 751

<210> 3841
 <211> 800
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (800)
 <223> n = A,T,C or G

<400> 3841
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 cttatattct aacgtgggag aaagaaagca aataaattac atgaattgat taattgatca 120
 gttgcatggc ttttagtata catttctgtc agtctgccaa ccagcacagg tcccttatta 180
 gcatgggaga agggcctgat cactgaaagt attatagatt tatagagtat tgaaaggaaa 240
 cttaaggaaa ttgggggagc tggcctttta gaaaacagcc taactccatc agtgacttct 300
 gcttgcttgt gcctctcata tgtgatctgc tactggcctt tgttacttct ctctgaaata 360
 acacaaaaat tatgttttag gctctcattg acttcaactc caaacatat gttacttctt 420
 ttaaaaaacat aatttctaaa aaaaaaaaaa aaaaactcga gcctctagaa ctatagttag 480
 tcgtattacg tagatccaga catgataaag atcattgatg agtttggaca accacaccta 540
 gaatgcagtg aaaaaaatgc tttatttggg aaatttngga nctattgctt tatttgaacc 600
 attataagct gcaataaaca agttaaccac caccattgca ttcattttat gttcaagggt 660
 cagggggagg nggtgggagg ttttttaatt ccgggcccgc gggcccatgc attgggcccg 720
 gtccccactt ttggtncctt tagngngggg naatgccccc tggcgtaaac atgggcatag 780
 ctggttctct tggnaaatgg 800

<210> 3842
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (464)
 <223> n = A,T,C or G

<400> 3842

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cgaggaaaag	gccccagaat	gggctngctt	gaactggaaa	aacacacttt	ctcatccctt	120
ttggaccacg	agcttcttga	gagcaaagca	tgtgtttgat	attcctttgc	tcaccctcag	180
gccttgtttg	gcaaattgcc	tgggatacag	aaaataagga	caaggtctgg	gtgtagtggc	240
ttatgcctgt	aatcccacac	tttgggtgac	caaggcagga	ggatctcttg	aggccaggag	300
ttgcagacca	gcctgggtaa	catagtgaga	ccttgctctc	gcaacaaaat	ttaaaaatta	360
gccagacttg	gtggttccca	cttgcaatcc	cactatttgg	gaggctgagg	cgaaaggatc	420
acttgagcgc	aggaatttaa	ggctgctgtg	agctatgatt	gtgc		464

<210> 3843

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 3843

gaaatcttta	tcanctactt	gttctttttg	caggatccca	tcgattcgaa	ttcggcacga	60
ggctactcag	gagactgggc	aggaggattg	cttgagccca	ggaggttggg	gcttcagtga	120
gccatattca	caccactgcg	ttccagcctg	ggtgacagag	caaggtgcta	tctccaaaat	180
aaataaataa	atgttaaatt	tgcttttttc	tctctctctt	tttttatgta	gaatttgttt	240
gttgatactt	actgaatgta	gtgaccctgc	tgtggtaatg	aacacttcta	gtgccttcta	300
ggcttaaaat	accagacagc	cccaaataac	aaatgctctt	ttgtgttttg	ataggttggg	360
ttctgttttg	cttaatatgg	ggaatactgg	ggggaaaaaa	gatggtggtt	tcattctaag	420
gattgtccta	aagaaagtgc	tactttatgt	ttaagaaagt	aaggccactt	gttatataag	480
aaataacaag	ttcccattgg	gtcccatttt	gcaaaagggg	ataaagaatt	agactgatag	540
catcatacga	ggcatatttc	actatacaaa	gtgttgctcac	ctgtctatac	aactctccta	600
cccagcttga	cctcactttt	catacctgat	gcagcaaaac	aattcaatgc	cataggagaa	660
ggaagcacat	ggttataagt	gactaacacg	atattaggca	atgtgtccaa	atctctcatt	720
ttcttttatag	gtaaagaaag	cattcttatt	tgattaaat			759

<210> 3844

<211> 954

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (954)

<223> n = A,T,C or G

<400> 3844

gggnnttttt	tttggnnnaa	aaantttttt	ttncceccca	nnaaaaantt	ttnttttggg	60
gnaaaaacca	nnccccccct	tttacctnng	ggggaaaaac	ccttttncnc	cnnngggggc	120
cnangggggg	aaaaaccccc	ccccaancc	cgggaaannt	tncccggggg	naaggcccaa	180
aaaaaanggg	naaggaaact	tngggnnntn	ccctcggggg	nngggaaaaa	aatggggaat	240
ggtaaaaatg	ggggcccaag	ganntaacc	aaggggncca	aatggggng	gggggaaag	300
aaaaaaagna	aagggggntn	ncncctcccc	taaaaacncc	caccaanggg	ggggaagcca	360
anggaanttt	accccnnggg	caagggaacc	aataattaac	ccttgggaatt	acccngggnn	420
acccgggcat	ctggggaana	nggnnnacnc	atgtggagta	naacaanggc	ggctaataca	480
nccaaggggg	ccaagnnggg	cacacatnca	tncnngctcc	tggaaacngc	atatgcnatg	540
ctctcctcta	gaacactngt	ccattngcca	ccggtctntc	acatgaccaa	ancctacatt	600

ggctccaaaa	atcnccangt	aaaatggcac	ttccccaaag	aagggggaaa	ttttnnaaaa	660
ccccccccc	acgcaggcca	aannggaccc	cctgggctac	ttaancanag	ccatcccna	720
ncaanacttg	gnagcactna	aaagnagang	ggggganaat	anctgggncg	gacaacacgg	780
cnactctngg	gctcaggatt	aaaggggaaa	gnggaanaaa	ctgggggtnt	caggacngga	840
ntccaactct	aancgggggg	gttaaaggga	aaaaattcnn	ggactgaaag	ggggngggan	900
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<210> 3845

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (828)

<223> n = A,T,C or G

<400> 3845

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aactatagt	ctgaggcccc	agtctttaca	cttccattta	ataacttcac	agtttcatat	120
cttcttgaga	tacttactaa	tttcaagtcc	catcttggtc	acaaggagtt	gtgaattaga	180
gaacaattaa	tatcaccagt	taaagaagtt	agattagaaa	tctgaaccat	cctaaacata	240
agaagtacct	gcatcttcag	agtcttatcc	caaagccgtt	ctgctaaatt	gttcaatttt	300
ctccatagca	gagctttcca	ggcccttatt	tgggaagtga	ttatctctat	gcacagttat	360
gtatggatag	tatacataat	actagcaagt	gttattacct	agtgttaact	ggtggngtat	420
ttacatcaaa	atataactta	atttatcgat	atcttttttag	gggtttccca	ttaatcaaaa	480
cacgtgatat	atgtaatcag	ttgcangttt	tctgtgactg	ngacagtaga	gagtccttca	540
tcctctgaag	ttgaagaagg	tggatgattc	ttcanagagt	gttcatgaaa	gngcctggga	600
aaactagtnt	tgaacaagaa	gcattaccgg	gaaaactggg	aggagtgnct	aaagccnttt	660
aaaggaagaa	agaatgataa	ggcttaaggg	tggtaaaccn	antcaatgaa	cctgggacaa	720
tgaaaaagnc	cccctttaaa	aaaaataaaa	atttnttttt	ggtttggaag	cccttcatgc	780
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<210> 3846

<211> 1046

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1046)

<223> n = A,T,C or G

<400> 3846

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antcngngng	cacgnaaatt	tctgggtggg	gnaactggtc	ggctnatgnt	ngtaaaatgg	180
ntcnatagac	tatctgnanc	acanngnann	tnttncaccc	tgnatgttga	actatgaaag	240
atcctttntg	cgcttaattt	tacggntaag	gngcaagntn	ttggcctcca	aaccnatgtg	300
tntcataaat	gtgccanacn	taaattattt	ttgaactttt	tncagaaata	ctaaccatta	360
aanggangtn	ttcnagattg	gcaacntaat	ggcaagccct	ataatttgca	cacttatttc	420
ntgcaggnga	tggtatttgg	ttnatcaagg	gcataatctg	tggcccagaa	tcttttggtg	480
aataaattng	aaanaaaaaa	cccattttaa	aaaatgaagg	nggaaccatt	cnctttnaaa	540
atcaagcnaa	ttnggccttan	cntttaaaaa	ttaacccctt	gggtttttatt	aacncggngg	600
ggtaagttt	naaaaaaaat	aaaaaaattt	ttttttaaang	gggaaaaaatt	ttnaaaaggc	660
cntttaacaa	nggggggnaaa	ccttaaatcc	ttttccantn	aaaaanggnc	ccctaaaaaa	720

aaaaanggtt	acntttnngtn	aaaaataaaa	nttttttaac	ccccctttcc	ttngggggggc	780
cttttttcat	tnnttaaatnc	ccccaaaatt	tttttttttt	tttnaaangg	agggggggggg	840
nannntaat	taanaacaat	naatttttaa	anaaanaacc	angggggtct	tttggttttt	900
tgtttgccc	caaaaacttg	gggaggtgcc	aggggggctt	tttnaaagg	nccccattt	960
ctttancttt	acctggtaga	ngggaatccc	tttgcttggc	ccccattctt	tttgganana	1020
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<210> 3847

<211> 1021

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1021)

<223> n = A,T,C or G

<400> 3847

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ttgtacatgc	aatgttgnan	cttcaggtnt	ccaagggtgga	taatgttggg	catnancatc	180
ttgctttggg	gcttgtnttt	cnaagactca	tatgtatngc	cctttnttta	ttttnaagnc	240
ntctnantgg	ccccaccng	nngagttttc	ttgaatgctt	cnngagaaaa	tttcccanaa	300
anancgnctt	tnaccncaaa	cttccccctt	atgggntaac	tttancanta	aaccccgga	360
ggancnttta	attcngcnaa	cccantanaa	aaanttgnt	cntttgggcn	ccaaantnnt	420
ttaggttaan	ctncaatgta	ncnannancc	tgtnntntct	tgtaaattnn	tcaccaagna	480
cnntnttgte	nattgnccac	gttcctntng	gnnggtccnc	tatttttggg	tttgggttaa	540
angaagggtc	ngncntatng	gggccncng	naaaantgcc	cnanntctt	cnannaagna	600
accttgnaca	accaannccc	ttcttnagna	nttcnnnaaa	ccanttgcan	ttgttcnggc	660
tngctttgta	atttncaagn	caattctttn	gnntaaccga	tngttntnn	tnncagaana	720
gggaaattcc	ccggcmtcaa	ttaaagggtg	gcctggcman	gatttnanna	aaaannnnaa	780
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nnccnngcat	gtnantagnn	annacatgtg	nnttannttg	ggaaccaanc	cccaccttnn	900
nantggcggtg	nnnaaaaaaa	tagctttttt	cgggnaaatt	tgggcaggcc	tatgggnatta	960
ttgttntaac	atttattngc	tcnngatnna	nnatttnacnc	cacnntcgcc	tctatttctn	1020
c						1021

<210> 3848

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (898)

<223> n = A,T,C or G

<400> 3848

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aacacngtgg	gctgacttgt	gnntctatnn	nanatgccg	attatacaan	cnngngntcn	180
ctggncann	actantgntt	nagagnntc	tnnaaccenn	nccgctgtnn	cnctggncct	240
ganngangg	ncttgtgtgc	agtnactgnt	tcccntttnc	caggnnnnng	ccctnganng	300
catactntnn	tgctgtcnc	agtgtntnng	ggancnttnn	ntcanngana	ngtctcncgt	360
accngnnaag	gaacatntnt	ggantgacat	nngngnanc	tctngangta	tggggaaacc	420
canganngtg	gtcaataang	ggccctacaa	acatgtttng	gaaggctcct	anggcattng	480

ggnaaacat	ntncacnnnc	tatacaagtg	gcttnncaaa	gngaaagcgg	ttattcntnt	540
antaactcnc	nnnacnnggac	ccannantga	ccnccggcttg	nnaccntggn	naaccnntc	600
ntngaactac	gggcctntaa	ngaccaacca	nggttggttc	ttgccaccat	tttcttntgc	660
canccacaaa	cctggccttg	ggnaaathtt	ncggttgcat	tantaaaant	ganggggggc	720
tanctgcttt	tgggccctct	ttcnaccttn	ttntgangt	angntttttc	ntttttantc	780
ncgmncantn	gataagaata	ncntttgggt	tgaagttttg	ggtnccaacc	nccttcttnt	840
naatttctnn	tggaaaaaaa	atnnnttntn	tttnngcgna	aatttgmnngn	angcttnt	898

<210> 3849

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (804)

<223> n = A,T,C or G

<400> 3849

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ctattaaagt	tttgattgtg	atgttttcat	tgcatgtttt	ataccggata	aatgtathtt	180
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tgaactacta	agggaaagt	tcagaattca	agtctagact	tcactacttc	atagctctgt	300
agcttttaggg	cagggttcttt	agcctctctt	tgtctccgtt	tcctcctgtg	taaagtaggg	360
ataataaaaag	tatccatctc	actgggatat	tttgataaatt	aactgagtta	acccatgtca	420
aacattttaga	acagtacctg	acacacagta	aatgctcaat	aaaaattaca	tattgntata	480
ttgctgttct	agtttataag	aacaggtgtc	agaatccagt	tttgaaatga	aagcccagaa	540
ctgtgagaaa	tgatggtttt	ctctattaga	tgttctagga	aataaggaaa	catcaagaat	600
aatacagcca	tgcttagaac	aagttaaata	tatgtccctc	ttggctttgg	actttctctg	660
tcacttccgt	gctgggtcttn	ctctttccag	nccttccata	ctctaacttc	tgggtctcagc	720
ttctacttgg	actcctntga	agggatagaa	aaaaaaaaaa	aaaaactcga	gcctttaaac	780
tataggggtc	gnntacgtan	ancc				804

<210> 3850

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (840)

<223> n = A,T,C or G

<400> 3850

ttcctacctg	cnctggaatg	ccccagagca	cctggcctgg	ctgaagcagg	ctgtgctcgg	60
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catggttgtc	cagtacgcct	cccagatccc	cagctcacgc	cagacacagc	ctgtntccca	180
gtcccagggtg	gagaacctgc	tccacagaa	ctactgtatg	tggagaagaa	agagtccctc	240
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gngtatcaac	cacaagctga	gagactggac	gccccccgg	cttctgttgc	atcagaggcg	360
ctgagtgaan	atggtcagat	attgtgtgta	tttttttaaa	aacgatttga	aaaaatatga	420
tgttcctttg	tcggtgggaac	aagccangtt	gcanacgcan	aaggagctac	agctgataga	480
gggacgtttg	gcaataaaaag	cctttttcat	ccttctgcaa	acaattttcc	cataccattg	540
cttcacatnc	accggacttg	gaagaggagc	acagagtgtg	cttnagangg	gaggattccc	600
agcacannag	gatctgattg	cgaaggagct	tttgctgagg	gagctctttg	gcgcagtggt	660

ttntcgagca ntcttgcttg ttggggnaaa gaaagaaaac caagagggtt tnaanaatca	720
gccttcacca atggntgggt tgaagaact caggangcct tttacgggtt ttaaactttc	780
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<210> 3851

<211> 841

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (841)

<223> n = A,T,C or G

<400> 3851

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tagaaaatga caaagatggc aatatacact taatgttggt attgtatgtt gttactgaag	180
tacttagatt tttaaaattt caaatcctaa atcacttctt gtaggagggt tttcattaac	240
tgcagtatat acagttcact acatatgggt tgtttgagtt ttttggtggt tgtatttctt	300
tctgtttttt aatacctgggt tttgtacata tctaactctg ttctcttttg gttgttcaga	360
aactggattt tttttttctt aagcagtgtt taatttgtgt tttttaattt tgattcanaa	420
gtagtcccag ctcatagggt ttcatactgt tacatccaga acatttgtca ggctctctgt	480
cagctttcat gtacatatgg tatagaaacc catggagtta ggcacttctt ggattttttt	540
tttatgagaa aaaatctgta tttaaaatgt aaaataaact tttaaaaaag canggcnccta	600
atatatatat cttncgcct ttgattacca aatttgtccc ttgmcnctgg ttaaagatga	660
aattatcttc ctaaaaata tcaatgggtt ttggggaacc aggggggattg ttacntttac	720
cataaccaac nggttncctg gcaatgggggt tcatgggtcaa aaaaattttt tgggtttttna	780
aacttttntt atttgnctt tggtttgggt gattaagncc aagnncaaag ngccgaattn	840
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<210> 3852

<211> 796

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (796)

<223> n = A,T,C or G

<400> 3852

gataatgaaa ataaaaattt tgtgggctct tcatagtggg tactttgatt atgtgtgata	60
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gattaaacat tctttaatac ttagatcttt catctgttta tgtaacaaac cctaacatac	180
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gactcttttc ttttattaac cactgcacta tgttacattg tttttttatt ttttaactta	420
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gtgtccactg cctagatgggt aagagatcat ttgtctttca tctttgcata cttaacatca	540
aaatataagg aagaacaaag gaaatgttaa tcttttaaag cctcaaagta taactccttt	600
taaaatgcta atgattctgg aaaatgggtca gacctttaac tgcttttagtt gaacatttta	660
gacaggagct aatattttta acaaggatag caggaatcat atgtttttatt tctgatcctt	720
gacaaagctg aagagttgca tcttcataag ggnttcactn tntgntacac actagactac	780
ttgcaagggg tgcccn	796

<210> 3853
 <211> 827
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (827)
 <223> n = A,T,C or G

<400> 3853
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 cagcacctag actaattagg atgacctcag agatgctgaa gaggaccttt ggtagccttc 180
 agnctttttg nttttgggtt tttttgagac tgtgtctcac tccgtcacc aggctggaga 240
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 ttttttgggtt ggtttngaga anggaagtct tgntnttgtc tnccaggtg ggantacaag 720
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<210> 3854
 <211> 826
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (826)
 <223> n = A,T,C or G

<400> 3854
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 tctgttttct gctgctgcta atctcctcct gaagggttgt gtggcttctt gggactctgg 180
 aaagaaactg caggggacga ggacaaagga aacagctact gtagtcaact cagctatgca 240
 ggctctgtgc tagccctgga aaggcctgga cgttcangtc tgctgtgccg ggggtaggcc 300
 ccagaacaga gcggtgggccc catcgctctg caccacagct gccagggtc aaaccttggc 360
 tctgccttac ctggcttttg gatcttgggg gatgcacagg aactctgtg cctcaatttt 420
 cttatcttgt aaaatggggc aaatacctac caagtcatag gggatgatga aagtctannt 480
 gagataatgg agggnaattt cttttttttc ttaacttaaa ttttggatcc nttttgggtc 540
 gatntttgta tattgggggg naatttctta naagctngaa agttattnaa tgctgcttat 600
 gagccaaata ctgngccnag ggctcttgtc cagatcattc cagttaatcc caccacaagan 660
 cccaacagcn caaggggttg cttatatatt tggggngnga nggaactggg aaccnaggg 720
 gaagtcacgg gnccttngcc caaagttacc cccgaagtn aagcgtttaa aaccaagaaa 780
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<210> 3855
 <211> 812
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (812)
 <223> n = A,T,C or G

<400> 3855

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agataaaatg gagataatag tgacatccac ttatTTTTgt gaagatgaaa tgaataaaag	420
catgtaagct gggtatcaca ctgtccactg gtggaggcat ggtaattgna tgaaggggat	480
gacgatgatt gacnatgacn atgatgatga tgatggctcc caaccttaag ggcttattcn	540
agccagaact tgaattgac cttaataatg aatactncaa aaaacacaga caggcacatg	600
atntattaga aaangnagca actacggngg gagtcaagta aatnctaaac accctctgcc	660
tcaatctgta tggntttgaa atgtccttta nccgtcttga tttttacata tctatgaaaa	720
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<210> 3856
 <211> 835
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (835)
 <223> n = A,T,C or G

<400> 3856

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tatTTTgatc actgctatat gcttctagtt cctcaatcan natctgccac agaggaggcc	180
ctctaaattt tttgtggaat tacttaatga aatgaatgan tgattattcg ccttcacagg	240
attgtgtgag accatataan gtgtgtagag cggtttgacc tcccaccatt gaaatgctcc	300
ttaccattag catctaaagt gattcactag agaaatgtgt gtgctctcnt gacagtctgc	360
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gaaccmtga gtttngggct gnagtgcctt atgattgtgt ctgcgaatag ccactgcatt	600
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taaaggacaa aaanttgcca ttngggttnn atnttttaaa ggnnnnaggg gggngggggn	780
ngnnnggnnn nntaaannnn gggcccngg ggcacattna nttnggnncc cngtt	835

<210> 3857
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (772)
 <223> n = A,T,C or G

<400> 3857

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tcgctccaag gatcacagta ggatcctcgt tggtgacagt cgaggccgag ttttcagctg    120
gtctgtgagt gaccagccag gccgttctgc tgctgatcac tgggtgaagg atgaagggtg    180
tgacagctgc tcaggctgct cgggtgagggt ttcactcaca gaaagacgac accattgcag    240
gaactgtggt cagctcttct gccagaagtg cagtcgcttt caatctgaaa tcaaacgctt    300
gaaaatctca tccccggtgc gtgtttgtca gaactgttat tataacttac agcatgagag    360
aggttcagaa gatgggcctc gaaattgttg aagattcaac aagctgagtg gagaccatgg    420
tctgtagacc ccttcccgat tctcctgtcc cagcttgtaa ggcattgaaa acagtctccg    480
tttacacatc tcttcatacc acgtgtttga agtggttaaaa ttcaaaggga tcattgaata    540
aaacgggtgt agagtacagg aatggggcag acgcgattca ggtgaacagc acaagaagaa    600
tatgangtgg ttcttaggag caacacttct gacctncagt cttcctgatg acagtactgt    660
ctncaagaga aaaatcctca cttattaact ctcttttctt gcattctcatt ttatagagct    720
actcatcctt atttggaata accancacca aaaaaggctt ttagaaaatg gt          772

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<210> 3858

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (820)

<223> n = A,T,C or G

<400> 3858

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ctctggctct tggaaaaggg cagtgtctct aaaccagggc aaacggtaaa tgtggggcat    60
aggcaagagg gtcccgggta ggtggccact tccccatcat gctcgtttct catttttgtgt    120
tttttagtaa naaaaacaca gtgtgttctt ttgccagagc attaatcttt agaatgcctg    180
tattttctaa tgttgggatt tctttcaca ccaccacct taatatttcc attgtgactc    240
agaaaatcag acttcattcg attcctttaga gaactataaa tactgttgtc agtagagtga    300
agtcttgtct tatgtaatcc taattacaga atgtgttctc agaagaggta ggctagacca    360
gagctgggca gaccacaggc agaggccaaa tccagccccc tgccgatagt agctaataa    420
agttttacac ccacttggtc atgtatttct cctggctact tgtgggcagc aatgccagag    480
tcaagtcac ataacagaga cagaatggcc tgaaagctgg atttactatt tcaactttta    540
cattaaaact tgatgacccc tgtgctagac aggcagctca tttctgcagg taaaattata    600
ttcatctncc aactttcatt ncaaaattga acctatatta ctgaggccca aaaaannnnn    660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccctn ngccctttaa    720
aaccttttgg gggncgnttt nccngaaccc nccctganaa aaaacettgg tggagtggg    780
ccaanccccc nctttnaatg ccnggaaaaa aattnttttt          820

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<210> 3859

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (777)

<223> n = A,T,C or G

<400> 3859

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ggtgnttccc ctttgaaacc ctttanacaa gctacttggt ctttttgcag gatcccatcg    60
attegaattc ggcacgaggg tgggcaggca gctgcacctc attcctgaga ccatccgggg    120
cagggctttt ctgactgaga cacacgaccc tgacaccaga gagaattctg tatttcccca    180
cccttgagg ggctgcccct agagaatccc atcgggtgag cccaggaacc cacaagttct    240

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gcacccctcg	gatgggtagg	cattttgagg	gcatgaggta	ggcgttacag	tgataagata	300
cacagggctc	taaaccacag	aggccccggt	tcaaatcctg	cctcttctaa	gtacaaatta	360
gttggctttg	ggaagtgagt	caactttgcc	cggggctgca	gtttcctcgc	tgtcaaatgc	420
atgggagagg	gtgtgtgaag	agttaaaatg	tatttagatt	tcactgtagt	gtctcctcca	480
acatgatctc	acactccttt	tacagtataa	gcaggctgat	gtcagaggct	gtgactcgcc	540
ctgccaggtc	taagaccgtg	gggcgtggtc	acagggtacta	ttttangact	cctctnacca	600
caggcactga	acttggggct	tgcataatata	tcaccccatt	actcctcaga	agatactgta	660
acgtaggatc	ttttattggc	tntattgagg	cttaatgcat	ccatttttang	nggtacaatt	720
tgatgagttt	tgacaaaagt	ntaancttgt	aaccacaatn	nccganttca	tgacact	777

<210> 3860

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(765)

<223> n = A,T,C or G

<400> 3860

gnnnnntnnnc	cttgaaacn	ttatacanct	acttgttctt	tttgcaggac	ccatcgattc	60
gaattcggca	cgaggacaca	ttaaaagaga	gatatcaaaa	aattggtgac	accaaaagga	120
atactcccat	tgaagctctc	tgtgagaact	ttccagagga	gatggcaacc	taccttcgat	180
atgtcaggcg	actggacttc	tttgaaaaac	ctgattatga	gtatttacgg	accctcttca	240
cagacctctt	tgaaaagaaa	ggctacacct	ttgactatgc	ctatgattgg	gttgggagac	300
ctattcctac	tccagtaggg	tcagttcacg	tagattctgg	tgcatctgca	ataactcgag	360
aaagccacac	acatagggat	cggccatcac	aacagcagcc	tcttcgaaat	caggtgggta	420
gctcaaccaa	tggagagctg	aatggtgatg	atccccaggg	agcccaactcc	aatgcaccaa	480
tcacagctca	tgccgagggt	gaggtagtgg	aggaagctaa	gtgctgctgt	ttctttaaga	540
ggaaaaggaa	gaagactgct	cagcgccaca	agtgaccagt	gccttccagg	agtcctcagc	600
cctggggact	ctgactcaat	tgtacctgca	gctcctgcc	tttctcattg	gaanggactc	660
ctctttgggg	gaaggtggat	atccaaccaa	aaaaaaaaaa	aaaactcgag	gcctctagaa	720
ctatgtgagt	cgtattacgt	agatccagac	ttgatagatc	attgt		765

<210> 3861

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(771)

<223> n = A,T,C or G

<400> 3861

ggnntttnnnc	ctttgaaacc	ctttanacaa	gctacttggt	ctttttgcag	gatcccatcg	60
attcgaattc	ggcacgaggc	gagactgtct	caaaaaaatc	aaaaaaaaga	aaggggatgt	120
aaaataatcg	ctgcaagtta	cagtgttttt	cattaatgac	ttccaaatgt	ctcacatgta	180
ttgtctcttc	ccagtagcat	aaacaaagat	gcaggggagg	gcaatgagtt	cctacaggcc	240
ctagagctga	cggtaggggt	gggaatacag	ttcacaccgc	gtcttcagct	gtgttccttg	300
tggatgacat	ccactggaca	gccaatgtat	aaaaacagtt	atcagttcta	aagtgttagg	360
acaattacag	cttattcaaa	gaaaactcaa	ttaaggagga	gttagtaaaag	ctagtattgt	420
tcttatcgctg	tgcaatgctg	cagtgtcggc	tcactgcaac	ctccatgtcc	caggctcaaa	480
tgatcctccc	gagtagttgg	gactacaggc	atgtgccact	atgcttggtc	aatttttgta	540
tttttttata	gagactgggt	tttgccatat	tgcccaagct	ggtctcaaat	tcctggacgc	600

aagcctggat	ttgcctggct	gccatttctg	ggttttgccg	caattcagtt	ttttatgaca	660
ggcagaccag	tgagtagaat	acagttcttt	ggataaagga	caaactgaag	cactaaaaat	720
ggagagtcac	tttaaagcaa	aaaccagtgg	aaatgtgtac	ttggcttcac	c	771

<210> 3862

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(707)

<223> n = A,T,C or G

<400> 3862

ggtgnttnc	ctnngaaacc	tttatacaag	ctacttggtc	tttttgcagg	atcccatcga	60
ttcgggaaaa	ataacatggt	cactttatga	aaggaagaac	caggnaaaaa	taatagaaaa	120
taatgaacat	gagtggagat	atagatgaaa	gctaaataag	cattcactgt	gtcttatcaa	180
gagtgactaa	taagctgaca	gctttatttg	agttctggta	agcaaattaa	tatcatataa	240
atcattacaa	tttggataaa	gcaaaacctg	ttatcaaatt	taaaaactgt	ttaataattc	300
aacactccag	tggtttgctt	tgtttaagca	aaaggattct	ggccaagata	ttttacttca	360
gctctctgcc	aaagatgaca	attgtcagtg	attgtgccag	agggggggact	taagtctttg	420
gtaaggatcg	ccaacagctg	gaaagtattt	attgcataaa	atatgtccat	gatactttac	480
caacattgta	gagaatgtaa	gctataaata	cagttatatt	acaaagagtt	tacaatctaa	540
aattaaacac	aagaattttac	ggaaaaatca	ccaaaacaaa	ttaaattggaa	atatcatttc	600
acaaggttct	ttaatttttg	gccatatatt	tgataataaa	tacatatgtg	ttntagctat	660
cttacttctc	ttcttattct	gatttnacct	nntgtggtcc	cctgctg		707

<210> 3863

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(621)

<223> n = A,T,C or G

<400> 3863

tgnmgggcna	ganacccgnt	ngggctgcaa	ggggcggctt	gaccnaccgn	atnccggggc	60
ananatgcct	gtcnagnn	caaaggaagg	ttgtnncgct	ttacgcctat	tggtggaaaa	120
aancccnttn	tngaaggctt	atcctcaaan	ngcnntngc	gttcnccga	ctggccgttt	180
atncaccnct	ggnaagagg	ganttnattn	naccgcctct	tttttanaag	annnnaaagg	240
ttcngcatnn	tggggcnnnn	gnncacactg	gctttgaana	gcnanagctg	agtgacatcc	300
accagatnc	aaaatggtna	catgtcaact	gtggccgaaa	acngggccgc	actgncccat	360
ccgctcttcn	ggagnttgtn	ggccctttat	ncgcacnaaa	ttgcagcctg	ccggatactg	420
tattcacaca	ggctntgagg	ggggagggat	tgtnntcaga	atgcattaag	cgcnttnaat	480
agcctgcntc	ngttgctttg	tcaantggtc	ttnacatgaa	tgcccgtccc	ctgaatatcn	540
ngtaatcatc	tatcnnacct	gggatcgcaa	nnegttaaaa	canaagggca	agtgacggng	600
gtcgtactgn	gnaagagctc	c				621

<210> 3864

<211> 790

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (790)
 <223> n = A,T,C or G

<400> 3864
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 tcgattcgct cagcccccca gtttttatgt ggacatgttt tcatctctct tggatatata 120
 cctaggagtg gaattgcttg gttgtgtggc aattctatgt ttagcattcg aagaaattca 180
 ttgaatggta agctgaaaag tgacgtgggt gaatttctga tttcagaaaag atcactgatg 240
 tgatgagaat gaataactct ctggagtgtt aggatgtggg ggcagggagc tagcttagta 300
 tattattgca aaatcttgcc aaagatgagc tgatcaaagt agaggaagca tgaactaaga 360
 ggggagcagc aggagtggaa aagagagata taatgatgct agtacagagt ttatatttac 420
 agaacttgaa atgcagctca ngagtgggag gagtcangtg gtgccaagcc tacataaatg 480
 agcatgggtg tgcttttgac aaatagggag aagcaganag gggaataaca ttttgtagtt 540
 tcttaatttc taatatgtct tgagataggt ctctaattat atgcagctca attnacagat 600
 gaaagttatt ggtttatcat gcattcatct ttatgaaaag aaaggattcg gccttgcttc 660
 ttcttggtgta ccaaagtatt ggnccagggt tgggcacngt ggcttacacc tgtaatnccc 720
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 ntgancccan 790

<210> 3865
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (766)
 <223> n = A,T,C or G

<400> 3865
 ancctttana caagctactt gttctttttg caggatccca tccgattcga attcggcacg 60
 agagtgacta cttagaagat gctgtcccca ccttcgcccc ctccctctag ttgcccaaat 120
 gtcttacctc cccagcttc actcgggcta gtggagggtc tcttagactt ctttcaaggc 180
 ggaggattta gagtctgggg tgaagtggcg gtgatggatg gctggggacg tggggctgct 240
 gactcaatgg tgatacatca agcagttaat taagggacaa gttatcttct aagtgggagg 300
 taaaggattt tctgttcctt tgttcttaat gctcatatta atgccatttt cctcatgga 360
 gacctcaggc tgtgcttaaa acgcttccat aattcctttt ggcactgcta gaggtcagca 420
 ttgtccactc gtgaaggaca caggtaagtc acagacattg gggcttctgg ttgttaaagg 480
 ccaagaatgt gggatgaaaa cccccgtgt ccccatagca agttaggggt tgctcancag 540
 ggctgttttc attcagacaa gcagctcatt ccaaaccagc cccagagagc cgcttcaata 600
 agccattgtc tgcccaagga ggaagaactg ttgtccaagg ctgtggntaa tgcattgacat 660
 tggtagttgt tccaacaagt caaaacttgg ttacagaaaa gcagcantga cnaggatctt 720
 ggaataaatg ccttggaccc angtgccaag gaattttcca cgcattn 766

<210> 3866
 <211> 1154
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1154)
 <223> n = A,T,C or G

<400> 3866

tattgatctc	acctgctttg	agtcacatmt	caattcgnca	agccnggtcn	agagtaactc	60
tgactccta	gctgggttgc	cttaacaagt	ctattttaact	ttttcttagg	gtattttctaa	120
gagagttcca	aaatggaaaa	aaaatnctat	ggtggtntgg	aaattttaat	gaataataaa	180
ttcccatttt	aaggttaaaa	ataacccaaa	aaantaacca	cctccgtant	ccattaagan	240
catttttagga	agnaagtttn	cctttanctt	tnnggggaaaa	agggtttttc	caattttttc	300
cccttnaaaa	tggganccan	ttccaacctt	gggaaaaaan	ccaaggccca	aggggggttaa	360
nttggaacc	caaggaaagg	gggggttttn	ccccccctt	gggaaccctt	tttttgggaa	420
attaagggt	tttttttaaa	aaaaatttta	aattccctt	ttaaaaaatt	ttttnaaaat	480
ncccccttc	cctnnggggt	ttccccctt	ccnttgggcc	ccccttttgg	gggggggnccc	540
tttttaaatt	tttaaaaagg	gntttttttt	tnnggnaaaa	aatttttnaa	aaangggggg	600
gggggttttta	aaannttttt	gggggggaaa	aaaaaaaaaa	aaaaaaaaaa	nnaattttan	660
ttttaaaaa	ccccccagg	gggggggttt	ttttnaaaaa	antttnancc	caaaantttt	720
ccgggttttn	aaaaaaatna	aaaaaaattt	tccccaatta	aaaaataaat	taaattttnt	780
taaaaatanc	ccnccccctt	taaaaaaaaa	atgggaaaaa	aantttaatt	tanttttccc	840
ccaaaaaac	cttccaatta	aaanttttna	aagttnnttg	gnaaaaccaa	atttttggcc	900
aatttttga	anaaattttt	taaaaaaatt	naaaaaagccc	ctnaaaacca	attcggggnc	960
ccccctttcc	ctttctttca	aatnaaaatt	naattttcct	ccccgnaaag	gggncccttt	1020
ttcctttccc	tttggaangg	gccttggggg	aagcccncc	caaggncctt	tttggccagc	1080
ccccggnaaa	gggggttcct	ggcaccctta	nnctnngggg	ttttnccttt	ccccctgggn	1140
nanngggcct	ggna					1154

<210> 3867

<211> 917

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (917)

<223> n = A,T,C or G

<400> 3867

gtgattccat	tnagatacagc	tacttggtct	ttttgcagga	tccctcgatt	cgaattcggc	60
acgaggatca	caccactcca	ctccagcctg	ggcaacgaag	tgagaccctg	tgtcaaaaga	120
aaagaaaaag	agaaaagaaa	agaaatctga	aggtcttgac	aacccttggt	cccccatcct	180
cctatgactt	tgggaccta	atcagagctg	gccctctttg	taacaagggt	gtgggcccct	240
ctatttcact	gtantctgnt	ttcattccct	gcagccctcc	ttgatacgaa	agatgccagt	300
gacagggcca	ggcacttggt	gctcatgcct	gtaatcccaa	ggaggccgag	gcngggcgaga	360
ttgcctgagt	tcacgagttc	aaaaccagcc	tgggcaacac	ggtgaaaacc	cccggttcct	420
ttcntttggg	cccctaagat	acaaaaaatt	accaggcatg	ttggtgcatt	gccttgtagg	480
tcccaacta	ctcggggaag	gcttgaaggc	caaggaanaa	attggcnttg	gaaacttcna	540
gggacaacaa	naaggcttgc	caagttggaa	gaacaaagga	atnggggtgc	ccacttggca	600
attttcttaa	gccccanggg	gcntttccag	ggaagccnaa	gggaacttcc	ttggttcntt	660
cnaaaaaaan	aaaaaaannn	nnnnnnnnnn	nnnggggncc	ccctttnttt	taagnaaaaa	720
ccctttnttt	taagntnggg	aaaggttncc	cgnttaantt	ttnaaccctn	tttaannaaa	780
tttcccccca	ggaaaaccan	tttgggattt	aaaagggaaa	ttccccctt	tttgggnatt	840
ggnaaaattt	tttttggggg	naaccnaaaa	aanccccac	ccaaaacctt	ttaggaaaaa	900
ntgggcccaa	nnttggg					917

<210> 3868

<211> 847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(847)
 <223> n = A,T,C or G

<400> 3868

ttgatttcca	tncagntact	gctattgttc	tttttgcagt	atcccatcga	ttcgaattcg	60
gcacggaggt	gagnaacggn	gaatacgggt	aaaacccttg	gctcatggaa	agcatagcnc	120
aacataaacc	ttttaagcaa	accagcgag	agttcccgtc	ataagtggcc	accatcttca	180
gaaaccagg	ctcntgggtg	tntccanaan	tttgccagga	atttatgtta	ctttaaccca	240
ctttggtnng	gggaaaagct	tttgnaaata	gaatcataca	tgcatttggg	ttttaattac	300
agtgccgttg	gcccataaat	ggggnntaaa	tttatactgg	agcacatggg	cacccatata	360
tgggggtttc	cctcttgggt	caagggtccc	ccattggcca	anaancagag	tctaaaggaa	420
aatcttgaag	gttgaaaaac	cnttgggggg	aaaggnaaaa	aantcaaaat	tcccagtggg	480
gaaaaagaag	gaaaaatagg	gangggctta	aaccttgcaa	aaaaattgaa	aaanttgaag	540
gggtttgctt	gggtcnaaata	atcttggaan	ggggccccctt	tttcttgcn	agaaggaagg	600
tgnaacaatg	ggagnacaac	atttcaaatt	aaaccattat	ttggtaaaaa	cnttntctta	660
aaagtcaatn	gnccatncca	naaagggttg	aaatgggagg	ggnggtggg	ttctttccgt	720
tccaacttgg	ggagttcttg	gccaaaactt	ttttggaagg	ggcnttgttt	tctttttgga	780
aaagnaaatt	aaaaggttnt	tttggaaca	ngggncat	tgagtttnt	ggaatncccc	840
aatttta						847

<210> 3869
 <211> 661
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(661)
 <223> n = A,T,C or G

<400> 3869

nttgattcca	tnntntacng	ctcttgnctt	ntgcggatcc	ctcgattcga	attcggcacg	60
agatgaatgt	ggaactttta	tttttatcca	ttattttcaa	attggatcan	tgctctcttg	120
atctattaga	tctaagacct	aagaggaacc	tacctgtttt	tggctagcgg	gtacagactt	180
tcttactaaa	aggnggggtg	atttcctaga	atagcatntt	ctgttgagta	gagatgattn	240
tcaacaatgt	ggctgngtca	cttnncttca	aagtgattat	ngagtgtgaa	agtaagcant	300
tgtaatactt	tttaaccact	gtctgtgttc	ttaccagatg	ggaaaacanc	actcgtcttg	360
aaactggaag	ttcccagtc	tgggatgac	tganaagggt	ttggaaggga	aaaaccctt	420
gttagagata	ttgcagttgc	atcacacacc	agcttgggtg	ctgcctagga	tcantgtctc	480
agtgaanagt	actcttgcta	aaccttacac	caccagact	atgcgatttg	gataagtaat	540
acttatcttg	acctgtgttc	ttttganggg	aaagaatgnc	tattgggtag	gattattgna	600
aatgagatg	agatatcctt	ataaagtttt	agcatgatgc	ngcctcta	aatctgcac	660
n						661

<210> 3870
 <211> 803
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(803)
 <223> n = A,T,C or G

<400> 3870

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cacgagagtg	ctgggattac	aggagtgagc	cacttaggct	agccctgaaa	tgcttttggt	120
tttgtttgng	ttttttgttt	tttaatgaaa	atacaggga	atggagatgt	ggaaagacac	180
cttgctttat	tactgggtgt	attattatta	ttactacagt	ataattcatg	tatcacaaaa	240
ttcacgattt	ttaagcatat	ctttcagtat	tttttactat	attccaaaaa	gttgacagcca	300
gcagcactac	ctaattccaa	aatatttcat	aatgccaaaa	agcatgcctg	cnctattggc	360
tgtcactctg	caattccccc	ttcttgacgg	ctctggaccc	aaccccccnc	cctttaaaaa	420
aaactttctt	ctttntgtat	agatgtactt	ggctctgggg	accttctctt	ttatnngaaa	480
aacaaaatgg	gggngttttt	gggggttggt	ttntcaaaan	aaagggmccn	caannattna	540
anaccctttt	aaaccccgcc	cnmnaccctt	tanaaaanttt	ntnngggccc	aaaanaaatn	600
tcccccttta	tngggggtaa	cnncacaaatt	tggngggnnn	taatttccca	atttnanaaa	660
ccaaagtggg	tttttnnccc	ccnttttttt	anaaaccttn	tttttnntgg	aaaaataaaa	720
nnggccttgg	ccntaannna	aaaacaagcc	ttttttggcn	accaattggt	tttttttngg	780
gaggtngggn	aaaccatttt	ttt				803

<210> 3871

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (834)

<223> n = A,T,C or G

<400> 3871

cttnttctac	tnnttctncc	tggaaaaccg	ncnnntgcag	gacccatcga	ttcgaattcg	60
gcacgagggg	atattgaatgc	ccatgaaata	catttttttt	tacttgaata	tattcttgct	120
tcactttacc	ctccataata	tggtgtncat	tagtgctgat	caagtttaca	gagttacatt	180
ttgctnncc	aaccattcag	gcaggaatta	aaatatggca	ttgttaacaa	ctgggaagaa	240
gctcatagng	gatatnaatt	anagtagata	atgggtcacc	ttgatagcct	ctgnttacat	300
cacttgnata	tgggcaaaat	aattattacc	tatacgtgta	tttaagctta	atttncatat	360
aaacagtntt	ttgaatctat	gctaaaaanag	ataatatcta	aaagngtgat	ctntacgtag	420
tccttagttt	atnagtctgn	actncaaaaa	gattcttaaa	taagcccggc	acggaggctc	480
atgccngtaa	tcccaacact	ttggggaggct	gaggcggggc	aatcacctga	ngtcangagt	540
tcgagatcaa	cctggccaac	atgggtgaaac	ccngtctcaa	ctaaaaatat	aaaaaatagc	600
cccggccgtg	gngggcangc	acctggaaat	ccccagctac	tcgggaannc	ttgacgccan	660
gaaaaatcac	ttgaaacccc	aaggggcaaa	aagctggggg	ggtaagccca	aaanccgcac	720
tnattnggac	ctcccaancc	taaggggggac	aaagaaacgc	gagnacttca	atcttaaaaa	780
ncnnntngnc	anttattgnc	nnaaanggna	atgnngnccc	ggaaaaaac	cccc	834

<210> 3872

<211> 970

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (970)

<223> n = A,T,C or G

<400> 3872

tgtnagacgt	ttcaagggtca	gtgtattagt	ggctcatgcc	taggggaagg	aataacattt	60
ggagcaaaaca	ggagacaaat	tgaaaagctt	caggaggaaa	ggctaggaaa	taagattctt	120
tgggcgagaa	taaggacttt	aaagagattc	cacatattcc	tgggaatctg	aaagaccata	180
cacatgccta	gggctgggca	tgtgcttaaa	aagacttgag	agggccctat	gctgtcacct	240

ctgcctgacc	ttcaggctct	gtgcaagcag	gaagtgaagg	ctaaggcata	gttataaact	300
gcatgggtga	aggttgaaag	gtgtgtccca	acacagaaca	catctgcaaa	tgctacgagg	360
cattttgttg	ttccaagtgt	tcaaagaaat	cttttgaatc	actactgacc	actaagctaa	420
ccaaagactt	agtggccaca	cctgacaaag	aatacaaaact	aaaaaactaa	aaatgtagtt	480
caagaaaata	acaggctggg	cacagtggct	cacatcggta	atnccagcac	ttttggggang	540
ctgaagcang	tgggatcttc	tttgaaccca	aggacntttt	gagaccagcc	ttgggcnaca	600
ttggcaaaaa	acccccatct	tnttgnaaaa	aaaatacttt	aaaaaaat	tgccaggggg	660
ccctgggtgg	gcnnccccac	ctttantagg	ttncccaagc	tttnccecca	agaaaggcct	720
tttaanggtt	gggggaagg	aatccaancc	tttgancccc	tttgggggan	gggtnccecca	780
gggccttttt	aaattggnag	nccccattaa	attcccttgg	ncccatattg	gcantctttcc	840
aaaccctttt	agggngngna	ccaccanatt	ggggganggg	naaannaaaa	attttttaan	900
tttttccna	aaaacntttg	gncccnccat	tttttttaaa	aatnaaat	tttttccaaa	960
aaaattggtt						970

<210> 3873

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (807)

<223> n = A,T,C or G

<400> 3873

actgaagctg	ccaggcaagt	gaggaaccag	gagccgtcac	tgagtgtggc	tgggctacat	60
catagctcat	cacggagcta	cgactttggg	tactgcggac	agacctggat	aggcccagca	120
ttcgttctga	agatcacagt	tcacagaagc	ttttgcttcg	taaagataat	ccaaaggacc	180
tgagaccgcg	ttttcctttt	cccttcattc	ccttgagagt	cagccataaa	cggaataacct	240
gctaggttcc	aggaatgagc	tcacctaaca	gacagcaaat	gtgtctgggt	agatctcagc	300
agagcccatt	ctgcaagacc	tggctgancc	agatgagagg	gtgggccctg	tgctgggggg	360
ccttgggtca	cacacaggaa	ccaagacctg	gcttccaccc	cccagtcacc	cacttgggtt	420
atctgctgga	agttatcgat	aggactgtgt	ggccaaccaa	gtgcttgtga	gatcactgac	480
actgcaaaaa	caaagcaaac	tgtctcgggt	accaggactt	ccttcaacct	ggcaangggg	540
gtgcgctgag	gcngggcttg	cangtgangg	ggctgtatgc	ttcagggaact	aactaaaatg	600
catgcanaag	gtaagaggca	tgatggggag	tggtcaagca	cacaatncca	tttggggagg	660
tatttttgata	ctgcgatgan	taagggtaan	ggccccatgg	aatggggcta	anggtggggag	720
tgaacactgg	ggtgaataaa	ttttaaatca	attcaggtaa	aaaaaaaaaa	aaaaaactcg	780
agcctttnaa	ctataggggg	cgtnttn				807

<210> 3874

<211> 461

<212> DNA

<213> Homo sapiens

<400> 3874

tatccatcag	ctcttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgaggaga	60
aaagctctca	ggtaatctgt	atggcttata	agggaaacct	gcagtccttt	ctgaaagggg	120
agctgtgaat	atgactgctt	tgtagaaaga	tgtcttagga	ttctgggtga	aaatttttta	180
ttccccctcat	gtaggaatgt	cacagagtgt	acctttttga	cttagtattt	tcctagtaaa	240
atacaccttt	cttaagaaaa	tggctacaaa	gtcagatgca	tgtaaatgct	ttcagcaagg	300
gtttattgat	catctgcttt	aggctgggct	ctatggttagg	tgctgtgga	ttccattcta	360
gtacctgtgt	tctcatagaa	ttgaatcctg	gtcccccata	tgacttttga	tgatattcac	420
actgttaatt	ccaataaaga	cagagtagac	aaacagaaac	t		461

<210> 3875

<211> 833
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (833)
 <223> n = A,T,C or G

<400> 3875

cttggtgaag	ttgatgacct	ccaatagctc	ccagtgtcat	gggtacccag	tacgcattag	60
ctggtgttgg	gttgattgag	acctggggca	gttcctgggg	caagaagcca	gatgggagat	120
gagatagaaa	gtgttaggag	ttatcctctt	tgccctggcct	ttgagaataa	cttactgtgt	180
gactttgggc	aagtcccttc	cccactctgg	gcctcagttt	ctcacttggg	aaagcaaggga	240
gtttgaccag	atgatcacia	tgggccttcc	tagctctggc	caccaagaat	ttgtgaacat	300
tagagctcct	ggtctggtgg	gtagagccag	agctgctgac	tggctctctt	gcctccagag	360
gggatttatt	ggacctcana	ggtggcaggg	ccctatggag	caccaactgc	cctcaacccc	420
accctgtgcc	caagactggg	aagggattga	tgtcaggctg	tggccatagg	tagcatgagt	480
tgcccaagga	gggacagagc	atatctttgc	tgangcttgg	ctgangggct	tatgatangg	540
cttgccagta	ctcacaaacc	cctgtgggca	caagacaccc	tgaggtttac	ccaggccaaa	600
tatatttgat	tagcagggaa	aaaaaaaaaa	aaaaaaaaac	tcgaaccctn	tanaactata	660
agtgaatcgt	attacgtaan	atccngacnt	tgaataagaa	tccattgggt	gangttttgg	720
acaaaccnc	aacttnngaa	tgcccggtgn	aaaaaaaaat	cntttatttg	ggnaaattgg	780
ggaagcctat	tggtctttnt	ttgtaacat	tttaanctgc	aattaaacan	nta	833

<210> 3876
 <211> 833
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (833)
 <223> n = A,T,C or G

<400> 3876

gtttgtgggt	gaatggtttc	acaccagagt	gggatcctct	attgcatgta	ctcgactagc	60
ttttcattct	tatcacactt	cccttcctat	aaagttacgt	atcttttaaa	gggaaattta	120
ataccacact	tcgctttctg	tgccgccttg	tgaaaatcag	gcaataacaa	ggacagcctt	180
attgccagt	tatgaccaga	gcacttagat	ggcactacta	gtggaatgtc	atcttgtcta	240
ccattcattc	attcattcat	gattttctct	accanacagt	tttggaactc	ctagaatggg	300
tcaggtggta	ggcaggcatt	gggaaaacaa	ggttttaagc	cattgtccaa	atcctcaaag	360
aactcaccat	tttggctcag	gggccatggt	gagaggtgta	tagaacaag	taagaaatgc	420
tgtangagca	gagagagaga	aagaggccca	gagagcacag	tggcagagta	catctcatcc	480
agagaaacag	catcctgcat	cctccagagt	cctggttcct	tcagtttcat	nccctttctt	540
cttcttccat	ggattatgta	atacattgta	aaggttttaa	ttaattaaaa	aattgaaaaa	600
anncnaancn	nnnnntnnnn	nnngnnnnnt	tnnnnnnnngn	ngnnnnnnnn	tnnnnnnncc	660
nnnnnnnnnn	tnaanntttt	nnnnntttnn	aaaaannnaa	aancnaaagg	nnnnnnnnnn	720
ngnnnttnga	cnnnnngnna	aantnanaaa	nnnnnnngaaa	aaaaanaaan	nanntnnnaa	780
ttnnnaaann	ngnnnnnnnt	nnncnncn	nnnaannnnnn	ggaantnnaa	nan	833

<210> 3877
 <211> 1213
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1213)
 <223> n = A,T,C or G

<400> 3877

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cctttnaang gggntttttt tttttggggg ttttaaaaaa aaaaaatttn cccnaaagggn      60
cccmntttng gggggggggg aaaaattttt tttttcccc tttttttccc cccctttttt      120
tttttttttt taaaantttt tttttcccn aaattttttt cccctttttt ttttttaaaa      180
aaaaaaaaaa aaaaaaattt tttttnaaaa tttttttttt ttttaaaaaan ggggggggta      240
aaggggttta anccccaatt tgggttttaa nggggttttt nggggggaaa aaagggaaaa      300
aaacccttta nccctttaan ttttnaanaa aaaaaaaccc ccaaaanttn antttaattt      360
gggttngggg gggggaaaaa aaaacccttt tccccccagg gccccccct tccttggggg      420
gttnaaaaaa ttnggtggg gtgggtccct tccaaaaaaa tttttgggnt tccttggggg      480
aaaaaaagna aaaanggggg gggggaaaaa ggtcctaata gaaaccgaa cttttttcaa      540
acctgggccn attnccatat acccaatggg ttaaaacttt ggattcttat gacatattcc      600
tatgaaaata ataaatactg gccttttctt tgcagaaagc ctcagacctg aatcagagaa      660
aatcatatgc caaagccaac tgccagtgtt agacctcttt tncataaag agtaaaggg      720
aatgctaaca ctagtgggtt tattgagaaa atttaaaggg tgctgtagtg ttagaactt      780
aggctggaaa accatatttt agtgcacat tttactacat gatcttcaa ttagatagct      840
tgtaatctgg tccttacagc acttgctgnt ggtacatgtg aagattttat aaattttaag      900
gaaaggtgtc tatgatatat agtgaaggt gtgggaaaag aatatagaaa ataattttca      960
cttctnaaac cattatgata aaaatatttg tgtatnggat taagaataga aaggggatta      1020
tnggatggta tctatttcaa tttctcagnt tatggttngg gccttncctt ttttggaag      1080
gtacccttgg gttattgcct attggaataa aatggatatn aatggggtaa aaaantttt      1140
caaaagggncc cnaaaatggg aaaatncaa aggaatttcc cttcnttttg gacctanttt      1200
taagggnaaa aga                                     1213
  
```

<210> 3878
 <211> 972
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (972)
 <223> n = A,T,C or G

<400> 3878

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tccaccctga ctcagccttg gtgcagagt agactctgtc tcaaaaaaaa aaaaaggaat      60
cagtttgggt cttggcagaa atcaacataa gggaaatntga caagaacccc agtaggtaac      120
cctgagtgtc caaggtecca gcctgtgggt ctcttttacg gcttcatgaa aaggaccgtg      180
ccctcacngg aggggggnacc caccggcttt gggctttgtg ggggggtcta aggtgnatgg      240
cttgcccttc tttttnttca ntcaaccac accccaagct ttttttggct tgggcacttt      300
nangggggaa agaagaagcc ancccaaat ggagnaagaa ttttaaccct tttttaatct      360
tcccccaacc ggaagccgaa aaaatgggtt tcccccttg gtttncaana agnangggaa      420
agttaaccce ntccccnttt antgcctttg gaacctnggg ggggttttcc ttttttgggt      480
ngggttgggt tttgggtttt ttttctttt caaatttggg naaatttctt ggtaattttt      540
aaaaaatggt ttattggtcc agccttgga caccattggg gnacaacntc cttgaaaaaa      600
ggtngacttg gggccccccc cccctgtttt gggccgggtga agttttccgn accaccnggn      660
cttnaaaaag tgggcccttc ttgctttcgt ctntttgttt cnccttgcctt tgtaaaaact      720
ttnggtccca agcttgaana cattggcttt gtaaaaacgt ngaagagtca atnccnaang      780
ggggttattt gtcanaana acttgnccctn tgcccccttan ccgaangcag tcnaatcntg      840
ccagttggat ttttcttact gngngaata caagaaacag ggattnatat tgcnccttgcg      900
ganaattttc cgggagtgnc tntttaatat ttttagaccc gattctttga catnttantt      960
gactccaaaa na                                     972
  
```

<210> 3879
 <211> 884
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (884)
 <223> n = A,T,C or G

<400> 3879
 gggtaaatatt ttgtttttata acagtgatcc agtatatctg aattatggat tatatggcca 60
 tagaactaca agcaaaaagg atacacaaac aaattttgta gttaagacaa atctgttgcc 120
 taagatcaag aaatgtaata gatggaggcc atgtagaggt tagaaattca aagaaatcga 180
 ggtcaaaaac tggccaatca taacggcata gggattagtt cctaaatttg gtcacttgag 240
 aataacagtg tgaatagagt ggagtgggaag atgtgactgg tgttgtttct aaaaatgtag 300
 aattgtcctc ttagttgggg tctaggtagt ttttgagagg tgaatataga cactaacttt 360
 ttgtttttaca actgaaatca aattgattgg taatttgcaa caaaatattt tttgaccccm 420
 ccatttatat cttaccatgt atattatttt cactnggntg ataaagccta tgactacctc 480
 gtcagaatac atcatttgct aataaattag ggtttactgg tactgntgga aataaccgt 540
 ggcattctac cctccgagaa tcctgttcag gtggctgcac cctttcaaaa tccantgggc 600
 gtttgcccat ttgnaancct tgtntttttn ccgggggaaa ccaccanggg tcaagtttan 660
 ttanggcctt ggcccagtta aggcctggac cgtnttttcc ccaattttgc ttggnnttg 720
 aaatggaatn gggttttcat ttaattnaaa gaaanttgct tgttttgggg ccccatgggt 780
 gtggaaaaag naattcnntg aaattgggcc ggttttgaat tanttttaaa tcnttantcc 840
 ttaagaaaaa aaattttnga anccntttng ggggccttgg tccn 884

<210> 3880
 <211> 998
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (998)
 <223> n = A,T,C or G

<400> 3880
 aaaaaaatta angngaanc tttaaaantt gggcccttgg gancccaatt tnacccaatt 60
 ttttaanccc cccaatttgg gaaattttaa aagggttncc aaaggaaaaa atttancctt 120
 tgggggggaaa ngggggccca aaaaaaaaaa agggaaaaaa ggaacccttc ctttgggttt 180
 anggnntncc tttttccccc aaggggggga aggggggggg gggggggaaa aaaaatttgg 240
 gttccaaccc aaggaaccc anggggggaa tccaaggggg gaagggttcc aatttgggaa 300
 ttgggaaccc cttccaaggc ccaaggccca ccttttcttt gggggaaaag gccccaaaaa 360
 cccaaattgg aaggggccaa ggtttttttc ttttcaaaaa ggggtattga aaaagaaaaa 420
 aataaattac ttggatgcc aaccttttct ttttaaccaa acaatgaatg aagtgtgaag 480
 atggaatcaa gataagttca gaaatgcatg actttaatac atgctaatag tggagatggt 540
 gcttaaaacta aaaacagaag tcatgtgatc caggacgcac aatcctctgg ctgatggtag 600
 aatttgatct gaaataggag acatgctgtg aaaccagtct aggatggaac agatcaggag 660
 ggttctggtg agagtcttct tcaagaagat gatccgcaga ataccattt gaatgtggta 720
 aaaggagtta taaacagctg agagaataaa tctaactcag gggaaataga agtggtaatg 780
 tatgataagg tcactctgaa tatgatatat ataactatgt tatgtaacat tgaatatga 840
 tctacccaaa ttatagtgat cttgagaaaa gaatatagat tctacagagt taatttctct 900
 tctttgggga agtctcngat actctaaacc aaaatcatga tatgtngacc tgtcagaata 960
 tgccaaagat actaatgntg agtgtgcatg gaatactg 998

<210> 3881
 <211> 820
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (820)
 <223> n = A,T,C or G

<400> 3881
 tgccccataa acttaagtta ataaaaaata ataaataaat aaaaaataaaa aaataaaaaac 60
 acattntaaa gggggcaatc cagatggcca gtaaaccatt gtaatagcca gaaattggaa 120
 acatatattc attgacaaca tttaagatta taatatagtc atataatagt cctgatataa 180
 caatggaaat aaattacagc tacacacaac ataatggata agtcttaaaa agccacatgt 240
 acagaatata taccatgtga ttctacttct gtgaagtcaa gaacagacaa aactgaaata 300
 ctcatgtaag gatgcacact aaggtagtaa aactataaag cagagcaaga gagttattac 360
 tataaaagct ctgtcgaggg acaggagttg caattaggaa tatacaggga attctgtggt 420
 gctgagagga tttgttgatc tgggtgatgg ttacccangt gtttattcac tttgcaaatg 480
 attaatgtgt atatatgttt tacttaagtgt gtatatattca tagttttaaa aggtttaaaa 540
 aatntagaga atacagcctg ggcattggtg ctaacacctg taatcccaca ctttgggaagg 600
 ccaagacagg aggcagagtt caggagttca agaaccgncg gggcaacatg gcaaaaccct 660
 catcttntgc aaaaattttt taaaaaaatt taacccccgc ctggggggca tgtgcttttg 720
 natagtnccc agnccccctg ggaagcttaa ggtngggagg atnaccttta accccccggag 780
 gccaaagggt gcantggatc cccaatgga tgccmcttct 820

<210> 3882
 <211> 833
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (833)
 <223> n = A,T,C or G

<400> 3882
 catatatatg agcaaaccaa gttttacata acatgctttt ggtatgtatt atgacttttt 60
 acatttctac ttggatttcc tcttcagatc tcagtttcca caaatctgca tccaggttca 120
 gggcctctga ttctgcacaa atcatatgag ccaagtggat tgattactag acagatcaga 180
 tccttcccca gctaataact ctgccttctg attccagtc tcaaaataaa ttgcagcctg 240
 ccattttctt tatgttttat aaggaggagg tgaccacctt ttgtcagttt gcttagtttc 300
 ctattctttg ggctcatctc ccatcttttt tgggtagtct tgctaggagt ggttgggaac 360
 tctgaagccc cattttccca agttgctgag agctatcaga ctttttagctg caggctaaga 420
 gctctgttgc aggcctagtg attggcatta aaagttagggc cangaaatct gtccctcatcc 480
 tcaaatgaga ccaacagata tgtattaaag tggagctgga gtttgcctt ccacccgaga 540
 ctaccaaggg cctttgatgc ttaatgggaa tgtgtgtcta acttgctctt ctgacattta 600
 gcccgatgaa aataaaatat tnatctgtt taagtcnttt ccnaanaaaa ananncaatn 660
 ttntnnnnngn cnnngngaag ggagnnnnng ggtntnnntt nctannncnn gnnnnnnnnn 720
 cnannccnnn nggcnccecg nnncaannnt nnnnttgnt ttaanaagn cncnattgg 780
 nttnnnnnan nnnnnnnngg gnnanannnn nccccnngg ccnnttnggg nan 833

<210> 3883
 <211> 863
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (863)
 <223> n = A,T,C or G

<400> 3883

ggacctggct	gcctgctctg	acaggtacct	gtcatctgcc	caccatgggc	ttctgggacc	60
tgctgtagcc	cctgccaccc	actgctgcag	acccaccac	tctcagctta	gctcaaaagc	120
tggtctctaa	ctcattnctg	acnaatagct	gnangngttn	ccatgantng	cnnttnatnc	180
aactctggna	aagagggatt	taatttnann	gncncttttt	nacangatnn	aatatgttnn	240
gcnttatggg	gnnnnnnttc	acantgggtt	tgaanagaca	naagctagan	tncatcntaa	300
naccagatn	nanatgnngn	natttgcaga	gctngtnmcc	gaatatcggy	tgccgtcaac	360
tgattangat	tacanttggt	acngtgcagc	cttggnatat	nggccanntt	ttaatntngc	420
caaccnatat	acnttgncaa	agccttngt	ccgggntatt	aacttgggna	ncncngcann	480
agnnacngnt	tnncatggan	tntgggcaaa	gcgngacttn	gtttnaatan	nccaanggan	540
ataatgggna	attttaaang	annntccctt	tngtganana	antccaaggc	tccattgttc	600
tgcccngttt	tttncnatnt	ngtateccaa	aatgttgtgn	anncttttaa	naaaccaant	660
ggggaaattn	gaaccncctt	ttccanctct	tggtgaatat	tntttnnantg	gtttaaaatc	720
ccanttctta	aatcnnaaat	anccccctgg	gggnatncng	aaaaagggcg	ntttgaaaaa	780
aaanngaaaa	naagggggna	caatagtttg	aaagggngnt	tttttcnant	tnaatttgga	840
aaggtntntn	tanggcaacc	cct				863

<210> 3884
 <211> 904
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (904)
 <223> n = A,T,C or G

<400> 3884

taggncgttt	gtatncaa	ggtggtaggc	ccggcctatc	cactgncaca	aagcggggcaa	60
tggcccctca	agaaccaaga	tgatatcacc	ctccatcaag	acagctcgga	aaagtaaaag	120
ggcatcaggg	gctggaggat	aaaatgatta	tgataaccca	ntgggtggatg	tttgnttata	180
tcaagtcaac	ccagtattaa	aggcctgcct	gatatacaac	cctcgaatgc	aacacagtgt	240
ccttctgagg	ccactctaaa	ggccangaaa	ggtttgctaa	gaagtctgtg	ctgttaaaac	300
agaagaaaaa	gaccttatcc	attntctgtg	ctgggtggtat	agggtagatt	cataaaaaag	360
aaggcaaaat	atttcaaaat	gatcaagaaa	tntgcaagat	gcaagacaga	gtctcaagac	420
agtgccagga	caggatagca	ctcataacat	ataacactgt	gtantgctgt	tgagtgtctg	480
ctgttggtga	gtgctancta	ttgggtgagt	gctttgttgt	tgagtgtctaa	cttgcttgag	540
tgctanctgt	tggtgantgg	cttggttggt	tgantgctaa	ctgggtggtg	aatgccttgg	600
ttggttgaat	gcctaacctg	gttggttgan	tggaattggt	tggttgaagt	tgcccttaacc	660
ttggttgggt	tggaatggcc	taanccttgg	ttgggttggga	aangcctttg	gtttgggttg	720
naaatnggcc	ttaanccttg	gtttgggttg	gaaatggcct	ttgggtccct	tgccccctng	780
ggggccccct	gggttttttt	ttaaagcccc	ttttgggatg	ggtacccaan	tttttccttn	840
cccanttttt	aaaccctttt	cccccccaaa	ataaaacccc	cccttatntt	aangggggccc	900
ggcn						904

<210> 3885
 <211> 911
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(911)
 <223> n = A,T,C or G

<400> 3885
 atatccacgt ctcagtcggt ggatgggtaa tgggatgccc gcttccccta ctccagatga 60
 ttgatgaaga aatggagggtg tatggagatg aggtgacttg cccaggatca gagctttaag 120
 tgacagagggc aatattggaa ctgagggttc cctcattcaa aagccagtgg tgcttgtttg 180
 cactgccaca ctggagcaga ctaactgaga ccgctcttga tgggtccttt tctacgagag 240
 gctttgcctg ccacctgcca gcatcagggtg atcagaagat gtggtatgaa gaccattcag 300
 cccggggcgca gtggtcatg cctgtaatcc tagcactttg ggaggccagg gcgggtggat 360
 cacgagggtca ggagatcgag accatcctgg ctaacacggt gaaaccctgt cttctattta 420
 aaaaaaaaaa caaaaaacca aatactcagg gaaatagccc ttcagnttnc ttcacccact 480
 tcagaaaaaa tagggaaaag gaaaagaaca gggattggga aaaaggaaaa aaagnaaaaa 540
 ngggangggga tccgctttta agcccttang gaggttttta aagaattaag ttcttggggg 600
 ccaaatanta agtnggagga ancccctggg ccttctttan ttttaaaaaa annnnnnnnn 660
 nnnnnnnnnn nnnnnnnncc tttcgaagcc ccttttttaa aaacttttta ggggggggtc 720
 cgtantttac cgtngaatt ccccgnaact tggntaagga tnccnttggg tgaagttng 780
 gaccaanccc caacttgaat gccgtggaaa aaaaatcntt atttgngnaa attgggagct 840
 nttgcttttt tgnaaccttt ttagntgcat taacaagtta ccaccacat tgcttcnttt 900
 ntgttaggtc g 911

<210> 3886
 <211> 819
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(819)
 <223> n = A,T,C or G

<400> 3886
 tcacctctct cccaagaaa aacatgtnaa atgcnagact gtgtgctctt aatgacatct 60
 atattaaggg atctgaantn tccatcataa atgaacatgg tacttaccaa atatcttctg 120
 ataantcatt cagtgtctag gntctatgtt tnttctcctg tccaagagtg aacaaactac 180
 acatnaccas aatattgtaa ggctaagnaa taataacggt gactgmnaaa atgggaaatg 240
 agatagcgtc aaacgtttgt gacaaaataa agcagtcacn gtaaacactg gnctttncan 300
 ccccatnaat gatgactttg tncccaactt gnattcccaa cngcatcnca aanagtaaaa 360
 ngagtcacat ggganataaa acatcatttt tatcacaagc ttataacggg tnattttttt 420
 ctgactntgn gttggagggt aanngggctt gctnatattg catgcagcan ngaacttacc 480
 cgnecatagg atgcctccct ctatgctagt ggtcctcncc tttatggccc anggatcana 540
 ntcattgaaa gacaggtatc cctgngggaa ggtttnggga tgaaantggg tcaccttaaa 600
 tcatcaggca ttaaaattct cataaggcat gtgcaancta aatctnttna catgtgcagt 660
 tnacaaggaa nggggtggca ctctctctga aaaatctaag gctcctctgg tctgccagga 720
 aggtacaact tggnttggga angnttgntt tggtcnccngg tccacatcct ggtgngccgg 780
 ngnggntncc canaaggccn ccggctggtn ncnaattan 819

<210> 3887
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(771)

<223> n = A,T,C or G

<400> 3887

gaactgaaag	atgatgcaca	atcagtagaa	actctgggaa	agccaaaagc	gaaacgaatc	60
aggacgtcaa	aaacaaaaca	agcaagcaaa	aacacagaaa	aagaaagtgc	ttggtcacct	120
cctcccatag	aaattcggct	gatttcccc	ttggctagcc	cagctgacgg	agtcaagagc	180
aaaccaagaa	aaactacaga	agtgcagga	acaggctctg	gaaggaacag	aaagaaactg	240
tcttcctatc	caaagcaaat	tttacgcaga	aaaatgctgt	aatttcttgg	gaagatttta	300
atgtacacct	atgtgtaaag	tcatcagaat	agtgtggatt	attaaatata	tagtttggaa	360
gaaaataatt	tatataaatt	attgnaaatt	tttatgtaaa	cagaangtct	tcaataagta	420
aagtaactcc	atatggagt	attgtttcag	tccaggcaat	ttttctatct	tatattaaga	480
cttcatacat	ttatatatgt	aaatatggct	tattaatgga	atgttaaata	aaatgtatac	540
ttcaaaaaaa	aaaaaaaaaa	aaaaaactcg	agcctntaaa	actatagtga	gtcgttttcc	600
gtagatccaa	ctgataagat	acattgatga	gtttggacaa	ccacactnga	atgcagtgaa	660
aaaaagctta	tttngaattg	tgatgctatg	cttattggac	catttagctg	cataaacagt	720
tacacacatg	cttcnttatg	tcagtcaggg	gnngggggagg	ttttatccgc	c	771

<210> 3888

<211> 1232

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1232)

<223> n = A,T,C or G

<400> 3888

gatttgaatt	cnatacanct	acttgttctt	tttgcaggat	cccategatt	cgcccaggga	60
atgctggctt	cctcctattg	ctattccttg	cctttcctaa	tgccttgaat	cagtgcattc	120
attcattngt	tcatttcaat	cangaaatat	ctgttttagca	caaacatatg	atattttattt	180
atctaaagt	ggaaaaagaa	atattnggna	tntcttcaag	tggnttgggt	nncctggctt	240
ccctggagga	atTTTTTaaa	aaccgatnnc	caaaccattt	TTTTTTTcca	ccnagnccaa	300
gggttttggg	nttggcatta	ttggttattn	caaaaaaagg	gttcncctta	aaaaggaacc	360
accaaccccc	TTTTTTTaaC	cccccggttc	caaaattttc	ctttacnaag	ggtcoggaan	420
gtnccaattt	ntTTTTTctt	tnaaaaaaaa	naaaaaanaaa	aaagggaaaa	ttgggtgggt	480
tttaaccana	ccaaattgggt	ttttaagtaa	aaaaaatttt	ttttaanccc	ccancccaaa	540
aaagngttgg	gttgnccca	nttcccccca	naaanggggg	gggnanattt	tttttnnaaa	600
aanttttttt	tnnnnnnnnn	nnngggggggg	gggggggcaa	aaaaaatttt	gggggaaaaa	660
aaccaanggg	ggccanaaaa	atgggggttc	nttnaaaaaat	tttaancccc	nggggggggg	720
ggaaaccccc	caatttggaa	aatttanttt	ccaaaacgtt	caaaaaaaaa	tttaaaattg	780
gnnggtnaaa	ttaaaccctt	ttttngggga	aatngggggg	ccntttaaaa	aaaattaaac	840
cctttaaaacc	cttngggngg	aatttcccaa	nttttaaaaa	attancccca	attttngggg	900
naaaatttgg	gggnaanttt	tggaaccctt	taantttttt	ttnttttttg	gaanccattt	960
gggcccgnaa	aaaaaaaaata	atTTTTTcca	aaaaaaacca	anttaacca	gggctttttt	1020
ttaaaaaaa	aaattggggg	gccnttnttg	gaaaaaacca	aantnggttg	ggctancccn	1080
gggttgcccc	accancccc	aaangggggn	ccccttnggg	gggttttttt	ttcttnaaaa	1140
ngggnaaaaa	atcctttttt	ggagggccaa	anccggggga	ancccaaaaa	anaaagggtt	1200
ccccnacntt	taccaagggn	nnaattgtgn	tt			1232

<210> 3889

<211> 835

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (835)
 <223> n = A,T,C or G

<400> 3889
 gagcctgatg cagcttgtct gtctgatgct tttgttcccc atccacgtcc cccccagtgc 60
 tgaagctgtt tctgtgtgcc ttacagtgtt tctctgcac ttccacttgt gggtgataag 120
 tggcaggggg acaataaata gagttgatga aagatgggct tgggcagcag tggggcccaag 180
 tgaggcagaa atgagaaaag gactcctggg gcagaggtgg agtgacaaaag ccttgagcac 240
 gaggggtgtga aatgtgaact tgggtgctgac ctctattggg cagccggggc accacggagg 300
 tggatgtggg gtcagtgaga ccagttagta atttttagcag agatacttta gggatgactt 360
 ggggagggca gcangctttt taaaatata tatacttccc aaaataacat tgcttcagag 420
 tagtttccta actgccctgg gacaggcctg agatcctgtc ccagggtact tggggggcac 480
 atcctgtctt agggagaggt attcacctnc ccattcccat cccagtcctt ggctgctttt 540
 cctaaatgca tcatttatcc cccacattgc cccattctaa cccatattcac ctcttttagag 600
 ataccttncc cttcattgag ggagcatncc tnttataacc attaatctcc atattctggc 660
 tgggtttctt ttaaaagcac ttgtgnaaaa tttnggaagt antttaattt ggtaaacc 720
 ttcatgggcc tcttttctt ccatttaaaa aggnagaacct nccttgaaaa acaaggggac 780
 ccggggggga ntctaant aattcacctc ttggattccc ttaancccc taaac 835

<210> 3890
 <211> 880
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (880)
 <223> n = A,T,C or G

<400> 3890
 tgtgatgaaa agtgaagctg ataagggat agtggtgact taggggtctg atttagagtt 60
 nggtcagaga aagtctttct tgaggagctg tgtgagggtt tgttcctatc taaaggcnca 120
 gaggagattc aggccattg aagatgagaa aacnctcctg gacnacnttc ccactttttt 180
 tgtaggacac tgttttgtna aaatttacat atatggctaa atagtctgaa actatggntt 240
 cantggaanc aaccggtatg tgccccatga agagttttcc caggaaaaga aaataattca 300
 ttacagnttt nctggcnctc tgaaaaggga ccaggagctg ggaactgctg aaggctaagc 360
 tgctgctatc tgtggnctca aatggagagc cgctatgaaa atgctgcttg caaggggcac 420
 attatataat tctatggggg gatatcccta attttagaat ggaatgaacc taaactcttt 480
 tctggantat gtttttggat ttaggcccaa aaaatgcctg gggangngg anggaccccc 540
 ttaacttacn agcccatthg gcntgggtct ttggggcatt tggccngcca gaaganggaa 600
 ccagcccctt tttaccttcc atctgaacct gggntggcct ttttttttta aaggnaaat 660
 nnnnnngnna naaannnnna aaaccttggg nccttttana actttagnng ngtcctgntt 720
 tncgtaanat nccacacttg gataagntn cctttgatgg aggtttgggn ccaaaccccc 780
 cccttggnaa tgccngtggn aaaaaaang cctttntttg ggggnaaatt tggggangcc 840
 ttttggtctt attttgggaa ccntttntta ggctggccan 880

<210> 3891
 <211> 808
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (808)
 <223> n = A,T,C or G

<400> 3891

tcatagtcta	aaactatcac	gtctgagttg	ccttaggatg	acagtgctga	cacccagtag	60
gaagtatccc	atttttatca	ggaaagtcag	tcacgcgtag	ggatggtgag	gagacgcgta	120
tggatggtga	ggaggggaga	ggaggggagac	ctgctggtgc	ccttgcacca	gggtgaggcc	180
tgactcacgc	tgtttccccc	cacaggccct	gctntgcttg	cctgcttttt	ccagaatcga	240
ttttgcaagc	ttcaagattc	tgttccccct	ttcgcacaag	tgaggaaggc	aaatactcag	300
ggtttgaang	gagacctgcc	ggcctgaggg	ctggcaaatg	tgagggcagg	acacctggga	360
tggaactcgt	ggctgaccca	ggcccaaagg	gggctgcctg	ttcccaactc	tttactctg	420
taaccatttt	taaaatgagt	ttttgaatct	tgctcacaat	tgacctactt	ggataaaatc	480
agtgtctttc	ctaacttgat	tttgtttgac	gtggttccct	ctaagaaaat	ggtaggaatt	540
gaaactattt	gnatatgttg	aaatttgtag	gggttcanga	cccatggcag	aaacacttaa	600
actattttatt	tacagtatga	ctattttttt	tcaaagtngg	caattctttt	gtatatttta	660
aggcaataa	tcactttacc	ttttggtgcc	ttncatgcgt	cgcantaagc	actcttgta	720
atcatggnaa	ttgggaaaaa	aagatgtcca	tttagttaaa	caagaaaaca	ctattttgta	780
ncatgaattt	agaatggggn	ccttttaa				808

<210> 3892

<211> 814

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(814)

<223> n = A,T,C or G

<400> 3892

gaatgtcttt	gcttgaacac	cccagtcac	accttcgtgg	ggcatgatga	tgtggtcctg	60
gagttccagt	ggaggaagca	gaaggaaggt	gagtgggaga	ggcctgctgc	ccactttcct	120
tctgagctct	ggtgacagcg	gtgccagtca	gtgttgccat	ggagtccagt	aaagaagaca	180
tagagagagc	tgggcttttag	gaaccagaga	gccagggctg	ttgccacctt	tcgtcatang	240
tgagtaaagg	gactatatag	gctgctgtta	ctcttccaaa	ttctgtcctc	ttccacaatt	300
gtcagcgtag	tctctcttgc	ttggaagaga	tatgctccag	taagagacgg	aagatagaga	360
tttgctgttg	gattgtttct	gggactgaaa	gactctgggc	tcacaagtcc	agggcatttg	420
ccccttgcca	ctctgttgat	ganggagacc	caagggtggc	tttagtactg	cctactacat	480
accctcagtt	gtcttcacaa	gcattgtagt	ctctgtctca	aaaaaaaaaa	aaaaaaaaaa	540
ctcgagcctc	taaactatat	gagtcgtatt	acgtagatcc	ngacatgata	agatacattg	600
atgagtttgg	gacaaaccac	aactagaatg	cagtggaaaa	aancttttat	ttgngaaaat	660
tggggatgct	attgctttat	ttgtaaccat	tataagcctg	caataaacia	gttaaccacc	720
accaattgcc	ttcatttttt	tgtttcangt	tcagggggga	ngggngggga	ggttttttaa	780
ttcnnggccg	ggggggcccat	gcatttgggc	cccg			814

<210> 3893

<211> 825

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(825)

<223> n = A,T,C or G

<400> 3893

taaactttat	tctttttgtt	atcgtttgtc	ctctggtagt	gatcagtggt	cagtctttga	60
aaagaaagga	cctatgaact	caactttagt	tacagcaaa	aatgagtag	gagacggagg	120
gaatggccag	cagccattga	agagggagag	caggctgggc	ccaaggggga	cccagtattg	180

gcagaaagga	aagctcaggg	tgtcaagtgg	gcctgagaag	ggatcatctg	gctgaacaag	240
agaggtccac	atgtagctct	cagcacacac	ttgtgcattc	cagcttcagc	atttgetcac	300
acgagttccc	cgcctaaaat	gcctgacatt	ctccctctct	acttaactca	tgtaataaat	360
ttttactgaa	tgctgttaag	tgccagcttt	ctgaacagag	ttggtcacag	ataaagggtg	420
gttgtagagt	cattaaaatg	gtcaggtatt	tgactggatc	tccagtcgga	aaaaaaaaaa	480
aaaaaaaaac	gagcctntaa	actatagtga	gtcgtattac	ctnnatccag	acatgataag	540
atcattgatg	agtttgcaa	accacaacta	gaatgcagtg	aaaaaaaaatgc	tttatttgtg	600
aaatttgga	tgctattgct	ttatttgga	ccatttntaa	gctgcaataa	acaagttaca	660
accaaccaat	tgcnttcatt	ttntgtttc	aagtttcagg	ggggangtgg	tngggaaggt	720
ttttttaatt	tcncgggccg	cggcccccac	tgcnttgagg	ccccgggacc	ccacnttttt	780
gttcctttta	ntgagggtta	attgccccct	tggnggtaaa	catgg		825

<210> 3894

<211> 836

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(836)

<223> n = A,T,C or G

<400> 3894

gccatcctac	attccagtga	gggttgctga	aaaaatccta	tttgttggag	aatctgncca	60
gangtttgag	aatcaganng	tgaacctgnc	tntanangga	tccattttgc	aaaaccanga	120
anacacttta	tgctgcacta	gctgcaccgt	cctcangcag	nanccactct	tcagctaagg	180
tggactactg	aacaggtggc	ggatgcgatt	angcagcact	gtggctgagc	atctntngaa	240
ncnnatggtg	gancaancnn	nttnactggg	tnnnncngaag	accatnnnat	acnttnacct	300
nttgggacca	tganaactgt	ttccagcccc	tantgacgca	gcgaaacaca	tgtatgaaaa	360
caccanccac	tggtagtact	gatcatgatg	tgaagtgtgg	cctntctaca	gttaacngcn	420
cggtgtattt	gctatgatga	tgacaccttc	ttcctctggt	gncttgacgn	gegncntac	480
ggcaaggagc	gcaatatatg	tantcaagcg	ngagaagggc	cttcnctggn	aactntnacn	540
cgnaagcccc	tgntatggct	gggnngccct	aagtctttnc	tacaangtac	aggaggcccc	600
ttcataaaac	tcttcacccc	acatggncct	gnaaaagnac	aaagtggntg	ttaagnctct	660
aacttgatgt	gcgnccgggn	gcannctgag	cttgaggagc	ttgctgggccc	ttnaaaangc	720
cngggcnagg	aanttnaagc	tngaannana	aatgangcca	atcnanttgg	gncnnaanc	780
aaatcanctg	gggtttttgg	gngganaaaa	tccnggact	ntttncggg	gttttn	836

<210> 3895

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(767)

<223> n = A,T,C or G

<400> 3895

tgaagacact	gaccttgtcc	cgctacatct	gcgagatgac	cctgcaggaa	taccactatg	60
tccaggagaa	ggcttccaag	ctagctgctg	cctccttact	cctggccctc	tacatgaaga	120
actcggatac	tggttccct	tcttgacat	tacagtggct	acagtatctc	tgagcttcac	180
cccttggtca	gacagctgaa	caaactgctg	actttcagtt	cttacgatag	tctcaaggct	240
gtgtattaca	agtattctca	cccgtgtctc	tttgaagtcg	ccaaaatccc	tgccctggat	300
atgttgaaagc	tggaggagat	tttgaactgt	gattgtgagg	ctcagggcct	ggtactctag	360
cagcagccac	agggctaagc	atgcatgtta	acagggtata	tttattctat	gntcgaattt	420

gcttttgatc	gctttttattc	attttttcctt	tctttgnctt	ttcccaaact	gataatgnta	480
taaatatatta	tggtgcttgg	ttttatgaaa	gaaaaaatat	tgncatattt	gactacaaat	540
ttaataaaaa	aattaatggg	tattggtaaa	aaaaaaaaaa	aaaaaaaaact	cgagcctcta	600
aactatagtg	agtcgattcg	tagatcngac	atgatagana	catgatgagt	tngacaaccn	660
cactagaagc	cggnaaaaaa	gcttattggg	aaattgggat	gctatgctta	ttgnaccatt	720
taactgcata	acaatacaca	catgctcttt	ttgttaggtc	ngggngg		767

<210> 3896

<211> 961

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (961)

<223> n = A,T,C or G

<400> 3896

ggagatgaag	gttggcagca	netgggtcatg	aangtgtaa	caaggggcct	tactgggct	60
gnccgganct	netgaagatg	tttgcnaag	agaagggttn	ggcctggtag	acatnaaaac	120
tcctgggacc	tcggaggtga	tcgagcctaa	ccnggggcca	tnntacagat	atgaagactg	180
agatgaagac	aggagaagg	ncatgctgng	aagtcctatan	actgggcctg	gctcctgggg	240
taactaatg	gnacaaaann	tctgangatt	cctgcntana	ccacnaaatg	gacagggna	300
aggcccntga	tggttagccc	atgcctgaca	etgacnantt	nacagnccaa	gaacacagng	360
atgaagaata	aaaagtggta	caatcggnnt	cacttggtgcc	accaggatac	tttcaatgat	420
tgcnttctcg	tnccacaaan	ttcttttant	cttgggcggc	gacncaantg	anggannggg	480
gaacttatnc	atggacgccc	cctttttctt	cgantgggan	ggaccacttg	aaaacttcat	540
ggaaaggccc	anaggtttac	attggccccc	cattgnacct	tgagcccnaa	gcttgggnaa	600
tccaggaacc	ttngggaaat	ttggggccnc	cttggngggg	cttgaccccc	ccataanaag	660
gttccaagnt	gggccccent	gccttanggg	atnaaaagccc	gttttaaacc	aacaatttan	720
ggggttaaag	ggttggccct	ttttcatngc	ccccccntt	naagngtaaa	aanaaanggg	780
ggnacccttn	tanaaaaccnc	catnnggaaa	aaaaaaactg	nggggccttg	gggncccccct	840
ttggggaatg	ncnccagnag	aaatnccna	ggggccttna	aaaccttttt	cctnnggggcc	900
aataancctn	aaantttgct	ttntttttaa	aaaanattcc	ntggaacann	ggggggaaaa	960
n						961

<210> 3897

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (832)

<223> n = A,T,C or G

<400> 3897

gtttgcangc	tcattggagga	agcagcaggg	aaaacctggc	gctgcaaaat	gtgcaggctc	60
gaatacggat	ggtcctcgcc	tatctgtttg	ctcagttgag	cctctggtct	cggggtgtcc	120
acggtgggct	cctcgtgctg	ggatccgcca	acgtggatga	gagtcctctg	ggctacctga	180
ccaagtacga	ctgctccagt	gcggacatca	accccatagg	cgggatcagc	aagacggacc	240
tcagggcctt	cgtccagttc	tgcatccagc	gcttccagct	tcctgccctg	cagagcatnc	300
tgttggcgcc	ggccaccgca	nagctggagc	ccttggctga	tgacaggtg	tcccagaccg	360
acgaggaaga	tatggggatg	acatatgcgg	agctctcggt	ctatgggaaa	ctcangaagg	420
tgccaagat	ggggccctac	agcatgttct	gcaaactcct	cggcatgtgg	agacacatct	480
tgcaccccgga	gacangtcgc	ttgacaaagt	gaagcggttt	ttctccaagt	acttccatga	540

acagacacaa	gatgaccacg	ctnacacccg	cgtaccacgc	cgagaactac	agcccttgag	600
gacaacaggt	ttgatcttgn	gaccattttt	tgtcaacaca	aagctggcct	tggcaagtgt	660
cggtgcatan	aaaaatnaag	tgctacaagc	ttcgagccct	ntanaactat	agtgagtcgt	720
nttacgtnga	tcncacnnt	gataagaatn	catttggtga	gtttnggnca	aaccnccact	780
tggaatgccg	tggaaaaaaa	gcttttnttt	tgtgaaaatt	ggggaaggct	nt	832

<210> 3898

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (821)

<223> n = A,T,C or G

<400> 3898

cttaatgtta	tcactcattg	aaaagtttct	tttaaaatta	tatatatggc	ccaatcttga	60
actatcttat	tttgggaagg	tttatctatt	tttaatttat	gtcctccgcg	ctttctcata	120
cccagctcca	caagaaaata	cagatctgca	gaaaatgatt	tgaatgccta	ctttctcact	180
cgtccaagga	tgatgctgca	tagctagtac	cactctagat	gcttggaaga	aaagttaatt	240
caatcaacag	atagtgcatt	agagtttaat	tcttttatag	aactccattt	gagaggggct	300
cttaaaaaatt	aagagcatgc	ataccaaagt	ataataaaaa	aaattaagaa	caaagatgta	360
atggcttact	gcatgagata	gaaaacaccc	atatattgaa	aattgagtct	ttagggctag	420
tttttatatt	attttatata	tatatatata	tatatatata	tatttttttt	ttttgagaca	480
gagtctcact	ctgtttccca	gactggagtg	caatggcatg	atctcggctc	acggcagcct	540
ctgcctnctg	gcttcaatca	gttctcatgc	ctgtagtcct	actgctcang	aggctgagggt	600
gggaggatca	cctgaatgag	ccttggggang	ncaangctgc	aatgaacat	gaacacacca	660
ctggactnta	acctgggcaa	aaanantgag	aaacccgttt	caaaaaagaa	aaaaaatctg	720
gaataaccta	ttgggccttt	tggttaattn	nnaaangnnn	nnnnnnnnnn	nnnnncnnnn	780
gnnnnnnnnn	ngnnaaaaann	nnnnnnnnnaa	naaaaaaccn	n		821

<210> 3899

<211> 881

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (881)

<223> n = A,T,C or G

<400> 3899

agttttaact	tgaacccctt	cagtcaggat	gaacataaag	ctctcaagtt	cttgaaagga	60
tgagacacaa	gaataagatg	gggtaccagt	gaccagctcc	tctacctggg	gtcatggagg	120
accgaagacc	ctccaacctt	gatgcctgta	aggacaggcg	ctcctgtaag	ggatcagggtg	180
taaagaatct	ggccatagct	cctgtacaaa	gcctctttgt	ctgaagtact	tgggtgctct	240
ttgacggcag	gaggggaacac	aacctgtcgg	tggctgctgg	acctcaccac	gggggctcag	300
tggacataag	atctattgac	aggccctggc	agtcaccant	gggtgtgtgt	ggcantggct	360
gtgggggtgt	agaatgactg	caacaggcac	ttctcaacaa	tgacctgctg	ttcacatggg	420
ccctgagcan	ggaggaaggg	agagggacaa	tggaagcttt	gttccagcat	tcctcttana	480
aaggggagag	acaatttcan	gcagggtgtna	tggaattgga	ataaaagcag	gangctcaan	540
gggtgggttt	cttgagtaaa	aggacaaaaa	tcgtgggtgc	tttgtnggt	tcaaccacaa	600
ccctttcatt	ggggcagaca	ccccacattt	ttttcccta	ctggnccttc	atttttgc	660
cccttttttt	ncttaccttg	ccttnccaaa	aaaataagaa	tgcttgcttt	attaaaccca	720
ttttgggggg	cttgcttctt	ttgggtcaag	gaaggggtgn	ttgcaaaaaa	tnccttcnc	780

ccangggatt naaatgaaat nggggtgttc ccccttgag ccttnttaac aaccttttta 840
 acccaggtgt tcaaaaaaat ttntttcccc cccccnccn t 881

<210> 3900
 <211> 812
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(812)
 <223> n = A,T,C or G

<400> 3900
 ctctgcagtc tcttaagcag attgactatg atgcatgtca cataaaacag ttttctttct 60
 gttctattgt ggagtttttc tggggctgga gaacattctt ttgttatttc caaacactgt 120
 ctataattac canacatgat ataaacacat aagggtccaa ctggaattta ctctagaggg 180
 gactttccct ctcagacttc cagtcaactc acacttggtc aacaaagtgc atgctgtccc 240
 ctaaatatgc aagcagaact gtgtttctgc ctatttggtt tctatagtcc tctacagtca 300
 cttctanaga gactaaacca aatttctacc aacttcacag ggcaacaatc aatagtttta 360
 tctcaatgac tcttgtatct tcagacctta aactgattca nagaccatgg ggccccacaaa 420
 cctaatacaga gtaacgtttt cattgagtac acattcanac atgagaatct tcacttttnc 480
 cttttttctc ttggtaaaat gtccacaaat gtgcaggtaa cacctgctgc tactccagcc 540
 attcngggcc taaatctgca gctctacatt ttgtatctag gtcttgagaa ttgggaaata 600
 gaaaattttt atctaaaaat gcaggctcct ttgggtatca aactcagaca ttgaaatgaa 660
 agtgcagnta cccctttctc ctcccttgna atatgnattc atctcttgga aactgggtcac 720
 tattggccnc aagtagatgt atattnaact gggtatancc acattggaca ctgggttttca 780
 taccctnaac cctaaaggaa tatggcccaa ca 812

<210> 3901
 <211> 815
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(815)
 <223> n = A,T,C or G

<400> 3901
 actttatatg gattctctaa ttttaattct caaaatgcta tctaattgtct cattaagact 60
 tgcataataat gtatcttaag tacagtcatt aaatatagtt tagggagatt tatgttcaga 120
 tattgcttaa agatgtttta ataggcccat ttactctgat gatattaatg agctcttaat 180
 acagactaag cttctaaaac tagtggtaaa gactcccagc ctgaacacaa caacttgga 240
 ttaatgcctg ntttgacag atgcctgagg gtgagtcctg cacacactcg agggctcancg 300
 cgagcccctt gctggatgga gccttgtttc anaaaggggc ctctgtaac gggctctggc 360
 tgctgactcc agagcaccca ttcttcggcc agcctgagta ctgtcttttt tctccccaa 420
 actgtgcaca ggacatgtgc taactaggcc gaagtacctc tccaagggtta tttgagaagc 480
 gctgatagcc ttggcggtgg cactgnggcc tgtgaggggt taaaggangc tgttgctgaa 540
 attncgtgga agcatctgcc aagtaagggt tgcacagact ggcacgtta cntgaaacaa 600
 gcntncctnt gncaccaagt gaactgnaaa anggcacatg ggtgtgcttt catcttttan 660
 gcattcatcc tancttgaaa tacatgtaat aaangngncc tgcttatttc aacntcggaa 720
 ccnaaaanaa angcmnaaa aancctcgan cctttaaaac tttnttgagt ttttttctnt 780
 aaatccaaac ttgataagaa acattngtgg agttn 815

<210> 3902

<211> 820
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (820)
 <223> n = A,T,C or G

<400> 3902

ccaaactaga	agctgtcagt	gacaataact	tggaattagt	caatgaaatt	cttgaagaca	60
tcactcctct	aataaatgtg	gatgaaaatg	tggcagaatt	ggttggtata	ctcaaagaac	120
ctcacttcca	gtcactgttg	gaggcccatg	atattgtggc	atcaaagtgt	tatgattcac	180
ctccatcaag	cccagaaatg	aataattctt	ctatcaataa	tcagttatta	ccagtagatg	240
ccattcgtat	tcttgggtatt	cacaaaagag	ctgggggaacc	actgggtgtg	acatttaggg	300
ttgaaaataa	tgatctggta	attgcccga	tcctccatgg	gggaatgata	gatcgacaag	360
gtctacttca	tgtggggagat	ataattaaag	aagtcaatgg	ccatgagggt	ggaaataatc	420
caaaggaatt	acaagaatta	ctgaaaaata	ttagtggaag	tgtcacccta	aaaatcttac	480
caagttatag	agatccatta	ctcctcacag	gtatttgtga	agtgtcattt	tgattatnat	540
ccatacaatg	gccaccta	cccttgcaa	aagcaggatt	gnagttttnc	aaaaggagag	600
atcttcanat	tgtaaaatag	agaagatncc	aaatgggngg	caggcttncc	catgttaaaa	660
aaaggangga	aaccnctggt	cttcnttnca	agccaattnc	tgggaanaaa	aaaaaaangg	720
cttttgttaa	aanaaactgg	ggacaattca	agganccttt	ttgggggact	ntaagttgcc	780
aaaaaaaaaa	aaaaaaaaac	tcggnccctt	taaactntng			820

<210> 3903
 <211> 726
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (726)
 <223> n = A,T,C or G

<400> 3903

tnnaanctaa	tgcttggcta	cttgttcttt	ttgcaggatc	ccatcgattc	ggtgagccac	60
tgcgcccggc	caaagacact	ttcaaatact	catgattgga	tatgcctctg	tgattgacag	120
tgagatttca	aatgggttaa	agattgctct	gcaaagaggt	taactgttga	gattgatata	180
ggctatcttc	aacatatgta	cattgctgta	tatgacattt	acctaccatt	gtgcatctgg	240
gacttcctga	tggaaccacag	gaattccctt	ttcttcccat	tctcttccag	atctttcttc	300
tacttgaaac	cccttatcta	caaaaatgaa	taaacaaccc	aatctcattt	ctgatcgtgt	360
cctggaattg	atctagggca	aggtctggag	aagtgggtggg	agacagcaga	cagcttttgt	420
tagtcttcta	acccacagac	tttctcagcc	tcactctgtg	gttctctgtc	cactctgcag	480
acctcacttc	acaatgctct	tcagatcctt	taatgaatag	gaaattgatt	ttgggtattt	540
ctataaaaata	cagcaaagtc	ttagaaactt	gcagtgtcct	taagaagaaa	gateccttct	600
tatctccctg	ccagtttttc	tttctttatg	gctcaaacac	taactgattt	tgccatggag	660
gtattngct	tcanactgct	tttgggtgaac	tgggttgagg	acataaccg	ttgtctggta	720
tatttt						726

<210> 3904
 <211> 797
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (797)
 <223> n = A,T,C or G

<400> 3904
 nnancntgct acttggttctt tttgcaggat ccctcgattc gaattcggca cgagggaaca 60
 tgcaaagcag tagccctctg aggagcagag ttaaggctag tacagaaaag acttttcctc 120
 ccaaaacacc ttcagtgttt ggagaggcta ttatgtcaat aagtaaagaa catgctactg 180
 tgaaaaaggt acaggaacaa aaaagagttg ccaaaaataa aaaatattat tgtaaggtaa 240
 aaaatttcat aaatgggcct aatagtggga tggatataac tgaaaactaa gatgggtgatg 300
 aggaagacag tcaagaataa atataccaaa gtagcaaaga aatacctgtg caagtagaat 360
 agcttgcttc aaacagatga gatttgtcct cccaacatca aaacatatca caaaactaca 420
 gtaattaagt ccctttgagg ccagcactga ctgggataag caaatagata aatgggatgt 480
 aacaggcctt atttcaaact aataggttgt tcaccaactc ctagttggat accctgctat 540
 ccattatgaa aaagaaaaaa aggttaagttc tcatcttaca ccatacttaa atttcagatg 600
 aattaagtat taaacataaa aattaatatg aacatgggtt tncctgggga ttctaagcct 660
 actccaactt ggaagctgca aagttggcct tgtgntctac atgggaaaaa aaatagaact 720
 gcaaaggaga atatttacta ttgactactt aaacttaaaa tactacatga cangnntgt 780
 aaaatagtta aagatat 797

<210> 3905
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (756)
 <223> n = A,T,C or G

<400> 3905
 gtgnnnnnnt tgaatctttg ctactaanng cttggcnact ngttctttnt ncaggagacc 60
 catgcgattc gaattcggca cgaggggaag gtctggctcc agcttgagcc cactcacagg 120
 atgtcagggg gaagtgtgac taaggtcacg gccacgccac gtgggtgggccc agctggatcc 180
 agagcagggg ccgttgtggc cacacatcct gagtttccat ggtctaagtc agtgggcttg 240
 aaaaaaaagg gtggatgcag gatgctggct gggactgtgg agtgcggtggc cagtaagtct 300
 taagtgcag tgggtggaga ttacagcatt tcatctgctt ttcctttgac accttttaaa 360
 gatacaaccc acagttttca agggtttatg ccaatgtctg ctagagggat cttgcagtag 420
 atcttaaaccc ctatagtatt cttaagagca caaggaaatt cttatttggg ttccatttac 480
 aacaaagggtg gaaattttaa actaggctga gaatttgaaa tgctgttcac attaagcagt 540
 ttattagggg gttattttga aatcgttctt taagtaattt taagatgttt ccacatctca 600
 aaaggatnca tacatttttc ttcatttttc tttggagaat gtctgttcaa ggatgtttac 660
 caggtttggg ttttcaaaat ttcagcggct tttatngngc tggcattcca ttcgacagat 720
 tggaatttgc cccttanagg aaatgggaat gttttt 756

<210> 3906
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 3906

agagnnnnnt	tnnnctcttan	ctactaangc	ttggctactt	gttctttttg	caggatccca	60
tngattcgct	gtgaagacct	ggaaacagnc	aaaaaagact	tgccaagctc	cagactgtcc	120
agctggatga	agatatgcaa	gacttatgaa	ctttatttcc	tcctcacctc	tttttggcat	180
cagcggcaaa	tcttttcatg	aagccccaag	gacacaaaac	attttcccat	ttaaaggaaa	240
acactctagt	tttgcaagta	tatgcataca	agagacttta	gattgatctg	catgaagatc	300
acagttaagt	atacaggagt	agaactgcat	tattgcagcc	tttttgttca	cttataaatt	360
tctcttttaa	atagatggag	acaaaggaca	aggtgaaatg	tatcaagtca	aagtgaatca	420
tttagttgac	tctataattc	taagggtcaaa	atggaacttg	atagtttttt	aaattaaaaa	480
atgtatacac	ctaacataga	aaattaaaga	tagctgcaga	ccattagaaa	taatacaatt	540
gtntntgttt	ctttttactn	catgggcatt	gaaaagggtta	agaaacataa	atgggtcatat	600
ttttaagggt	aagtacatgc	atatatatat	gcacacacac	ctntttttca	gcattttttt	660
gaaaaagtct	tgggggtctca	aacacatttg	nctcaaccac	attnncnaa	atgtgattct	720
taatacctca	atnttggtt	ganaaaagtg	ccngg			755

<210> 3907

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (738)

<223> n = A,T,C or G

<400> 3907

agagnnnnnn	ttntatctta	tgcctaang	cttggctact	tgttcttttt	gcaggnatcc	60
catcgattcg	aattcggcac	gaggccaggc	taatttttgt	atnttttagta	gagatggggg	120
ttcaccatgt	ctcaaactcc	tgacctcagg	cgatccaccc	acctcagcgt	cccaaagtgc	180
tgggattata	ggcgtgagcc	accgcacctg	gcctatgagt	ggctctttta	ttaggaacaa	240
atctaattga	aaggagagtt	gactgaagtt	ggcccacagg	attgtgagct	gggcagtgcc	300
ttcatgaagg	cttgccacct	tgggacgccc	cagtttactg	gggtgtcttg	cggagtgcag	360
aagctttctg	gcagctgcct	gggtttggcc	agaccctgcc	tcccctccc	ccggccaacc	420
cctagtcccc	ttcctgtctc	cacttgcatt	caggggtggc	tgctgttctg	agaacattag	480
aactgggaag	agagatggga	gtcacatgga	tttttgggtg	gcattattct	gaactttcgt	540
atccaagtta	gtccccctta	ttccactgtg	ggcattgccc	gtctaagcag	ttacctgatg	600
cctgtgtctg	aaanctgctc	acaggangcg	gcggcgggcc	tggcactgnc	cttgcattag	660
ncttngtgtt	gatgtgttct	tnggaattac	tttgtcagac	aaaatattac	ccgttgggtc	720
angaattctt	ttactccc					738

<210> 3908

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (731)

<223> n = A,T,C or G

<400> 3908

agtttnncta	tgaacncttg	gganctcaan	ngcttggcta	cttgttcttt	ttgcaggcat	60
cccacgctt	cgaattcggc	acgagggttt	ntgttatagg	taacaggaaa	acaaactaat	120
ncaagtggta	atgtgtccag	ctaaaaattt	gggttctgtt	aaggttaaaa	gaaaatttga	180
ggtanccagc	agtatctgcc	tcagatgctg	anaagcctcc	tgagataaga	gcgtatacca	240
tgtccataac	tgaagtttta	acattctntg	ccaacagaaa	ccagaattta	agggcaggag	300
aatttgcaag	atagaatttg	caatttgcaa	gaggggaattg	caattctgca	agagaggggc	360

aatttgcaat	ttgcacagag	agggcaat	ttgcaagagaga	attgtggggc	cctnagagag	420
aatacatcca	naggaagagg	gaaccangcn	ttacaaattg	aatngaacaa	ggacagatat	480
ctgaaggggg	tttgtagtt	cccantcaag	tatggtacan	ctangtgcac	tccctggcc	540
agaccaccct	acagtgtatg	atccccctgg	ggagcaaaaag	ctgcaagtaa	cacttttggt	600
gccctataaa	ttctgctgtg	gngccactat	acngatcaca	gccaaantggg	cattgtncce	660
ttttacacag	gatctgggca	tncacnccan	gattgcacat	ctggcacgan	tgtgtctgga	720
caggaagacc	t					731

<210> 3909

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (747)

<223> n = A,T,C or G

<400> 3909

ttctttgaaa	cctnanggct	tgggcnactc	gttctttntc	caggagccc	atgcgnttcg	60
aattcggcac	gagggtcatt	gatagcaagt	aagtacttcc	tgaaggcttt	ccagttcaaa	120
agattacaag	ccattctgcc	tgccaaacaa	atttatattct	gaagatgcct	gttttgtaac	180
ccttgatgtg	aatttttttg	tgtctgaaat	ttacaaaaga	atgaaattga	aattgtaaaa	240
cactaaatgc	tttgggttta	ttttgaagta	atctgttact	ttaaaatgtc	aacattagga	300
agccataaaa	caagatatta	tgaaacccan	tattataaat	gttatctaca	tctaaagtat	360
tttaaaataa	cttattggca	gctttattct	ttttttcctt	acaagattta	gaatcttttt	420
ggttatatgt	ctatttttca	attttgttat	atttttaatt	taagtggcca	atgtggttat	480
gaacaagatt	tgtatggta	gcttctgttc	tttcctaaaa	cttcagatna	atatcatttt	540
agctataacc	taaaaaagtg	ttaaaataaa	tgacagatgt	taatttaaaa	gcagccatat	600
gctaatttac	tttttcatat	gatgatggtc	taatgggaag	ttccatatgc	tttcttttgg	660
gctaactct	gaaaaaggtn	tatgtcagaa	gttctnngaa	atatgtcttt	agccaaggaa	720
ttttattccc	cttaaaattt	ggnatcc				747

<210> 3910

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 3910

caanctaang	gcttgggcta	cttgttcttt	ttgcaggnan	cccatgggat	togaattcgg	60
cacgaggctc	attccagctg	gtctatcgtg	ggcctcanaa	ggtgaagagg	gaccgtattc	120
tggggcccac	natagaccag	ctgtagctna	ttncancctg	taccttggtt	gatgggtaac	180
ctacnactgc	atcccatnct	gaatatnctt	tgaaactccn	cannagtgc	tatttaagtg	240
taaanctcc	tnagagnact	gcnnccnnnn	atngtgnatc	tnnccctgnc	cntnganngc	300
tnnangngcn	ccactactnc	aanccanaaa	gaaaagngtg	ctgntcataa	ngccncanta	360
cggatctgan	ntcatnagga	tnacattnnc	cnaaaggagg	tnaantgnng	gnaantgcnt	420
gncactatat	gaantacacn	ncantctgtt	antcactttt	aatnanntac	tgancctttt	480
ctaactatca	ggcgtnttat	tncatgaate	ccnccntggt	aagatacatt	tntgaactng	540
ntcaaangcn	aacttcaatg	cngtganana	aatgctctat	ntngggaacn	ttggngannc	600
tntngctata	ttngaaacgn	ntntnacctt	gggactggcc	aagtnaacan	cnttcaatta	660
ccnttaaant	ntantgttta	aaggntncaa	nggnnaggtc	ntgtgncent	nattaaatnt	720

aanaagnngn ccatatccng ttnattcg

748

<210> 3911

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(719)

<223> n = A,T,C or G

<400> 3911

aacntaangc	ttggctactt	gttctttttg	caggagccca	tcgattcgaa	ttcggcacga	60
gcaccccttt	taggattttac	attagttctg	ttccagtaaa	ggcttaggta	ggaagcacag	120
gatgtagagc	tgagttgaac	ctattcccct	gatcttacta	atgaggtgcc	tgatattcag	180
agagaccaag	ggacatcccc	aaagtcaacc	agcaatccat	tagagctgag	cctagtacct	240
tgattctcag	acatgaatgc	tacttggtga	attgaaaatt	gcattcataa	tacatctctt	300
catagattcc	tggccaggaa	gccccagaga	ccaaaacagt	ggttatcaat	atttagaata	360
tatcagattt	acctggggag	ctttatcaaa	atccacactc	ctaagcccaa	tagggggaaa	420
ctctgatgtg	gtaggtttag	ggtaagacct	gagtatttcc	aagaaaacct	ccctggatga	480
tcctgacaca	gggagctttc	agatcatcct	ttgagaaaat	ctgctttaga	gctcattctt	540
tggttcggct	ntctcttttg	agctcactga	tatcatccct	gtggacactg	aacttttctg	600
gaagctttct	catctcagga	attggtttgg	gttactctac	aatcagattt	ccatncagga	660
tgtcacggca	gtggctcaat	actgcacctg	tgctcttctc	agccnaactg	gnctggggcc	719

<210> 3912

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(755)

<223> n = A,T,C or G

<400> 3912

ngggnnnnnn	cnntttcttc	tngetganac	ccccngtggn	ttgnccnact	cgttcttttt	60
gcaggcagcc	cagcgttttc	aattcggcac	gaggaaactg	tttaantttt	aaaggggtgt	120
attggtgtat	gtcactgaaa	attccacag	tacagtgggc	ttcaggcatg	gtttgattgg	180
gatgccagct	ccgttttgct	gagattccat	tggttctgct	ttctaccgtg	tttcagcccg	240
gttttaggtg	caaaacagng	gtggaaatgt	taggcttcac	atcacctgac	cacatagacc	300
aaaatgagag	ctaatatcca	ggatgagaat	gaacagctct	tctaatacag	ctgtcataaa	360
aataaggaag	cttattttat	agaagccttt	accaaaccct	cttctttgac	ttgntgntcc	420
aaattggatt	aaccagccca	ttcctgcggc	caaggaaata	cacactgggt	aaccagctct	480
ttactaacc	atacctttag	caaagagatt	ggattaccca	acaacttgat	tgctctggag	540
actactttg	agttggggta	tgagatagta	gataggagaa	tgatctgtaa	gtagatattg	600
gataagcgag	taagaaatgc	aaactacact	gaggtcttgc	actggcttag	gttttgggac	660
ccagatgtaa	taggacatag	ntcttttctc	gagcctctag	aactatagtg	agtcgtatta	720
cgtagaacca	gacatgataa	gatncattga	tgagt			755

<210> 3913

<211> 739

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (739)
 <223> n = A,T,C or G

<400> 3913
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 ttcggcacga gcaaaccct cctttgtact cgccttcat aatcactttt gcttcacaca 120
 cataacctct gacagccact gatgtgttct ttatgactat agttttaact ctggaagaat 180
 gtcattgtaaa tggggctctg tgttttgag catcatgcag ctgtaacctt tgattcagca 240
 gataacaatg tgcattggcct ctccactcaa ggtaatgcct ttcagattca ttcaagtggc 300
 cgcattctatc ggtagttctt tctttttcat tgcctgagcag tattccatca caaggggtga 360
 ccacagtttg ttcgtgcact catcaaagga catttaggtt gcttctagtn tttggtaatt 420
 atgaatagag ctgcttaaaa acagtgtaca catgttttta taggaacata agttntcagt 480
 tcttttaggtt aaatgccaac aaatgaaatt gctaggctat atgttaagta tatgcctgac 540
 tatgaaaaac tgcccacat tttccagtgc ggctgatcac tctgcattct catcagcagt 600
 gaacaagggt tctagttgct ccctaccctn ttcagaatgt ggnattgnca gaattttaag 660
 tttanccag tcttaagaag tttngtattg ntatcatatc atgggtttaa atttgnant 720
 tcctgaccg gataatggn 739

<210> 3914
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (749)
 <223> n = A,T,C or G

<400> 3914
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 agcccagcgt ttcgcgtaca aacaccccaa nncaagcttt ttcattctgct gcntataatc 120
 acgagtccta tncctctgca ctatcangng tnttntactn cctgctnaan ncnntgttgt 180
 ccatttnatt aagacagaag ttntctttat tgnaaattt gaactgtatc tatgttataa 240
 tagtaatggt aactcantcc aaaggaccta ntnacaggaa gtaacntgtc ntacatatca 300
 gtnnatatan ggnntnagt agggacatac tgtgatcttg gnatacttgn aattttttan 360
 nttcctgggc ggttcantgc attgatnnat cacatnatnn taanacatgt atgttgagac 420
 anagcangan tctgtctcaa aaaaagggaa aaattcctgg actacataaa ttaaaagtcc 480
 atgaatagga ttggcttcta gcatgccct tcnngtgctc agacacttaa tcagaaattg 540
 gacttgangt tanttttatt ctcaggccaa ccttctccag tantgatgaa nanggccacn 600
 cagcaactnt gacctgccan tntggcaaaa atggatcana aaagtgtaan ctaagtgcga 660
 tcngaangcc cangaatgcc tctnactggc ctgacttncg tcatgngccc atctttgcac 720
 aacctgtggn ctttggcang gcaagggnn 749

<210> 3915
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (734)
 <223> n = A,T,C or G

<400> 3915

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ctcaagtgac	taggtgggcc	cagctggctt	cgtgcaggag	ggcacgtcac	tgcatacgac	180
ccggccaccg	tgttctgaag	gacagcgcca	aagatgggtt	agagtccactg	ctgtgggagt	240
cttcgtcccc	acacagagga	caggctgctc	agctccactg	tgcaagatga	tgcacaccca	300
gaccagtga	gtcaggacga	tgctgctcac	gacagcaatg	gtgaagatgc	ctaccgtggg	360
cccatccttc	ctgcagcctg	ctgcgggcag	gacgtcagc	tggtgtgag	ctcgctccgt	420
gcccaggggtg	ttggacatct	cacagatacc	acacggtctt	ccaaggggac	caccaaggat	480
ggggtctcta	caagagagca	acagagatct	tagtcattct	cagggcctcc	gttgctctgg	540
ctctgccggt	cttctggaca	acggacaatc	caacatatca	atgagatgca	tctgagattc	600
tgtctcanag	tggcaagctt	tggagaagac	ccttcaactc	attgactgag	tcattctccat	660
gctgggagtg	gcttccacag	ggacagtga	cctctgctga	caaaagcccc	tgctattcct	720
taactgtcct	gggc					734

<210> 3916

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (743)

<223> n = A,T,C or G

<400> 3916

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ttacaggcat	gagccacat	gcccggccct	ggatgtattn	tctatcctag	aatgtccacc	180
tttaaaaatg	aagcccagtg	aaaagtgttc	cccactaaa	atgtggactg	ttttgcttgc	240
agggatgtgt	gggtttcttg	tagatagaag	gctagagcta	gcaccttccc	aaattgcaga	300
ggaatcaatc	ctggcttgtc	tgtgagctgg	ggaggaatgg	aaaggtaggg	gccttgagag	360
tccttaatta	cataggggaat	gtcctatcat	tttgtntatt	ctttaaaaag	ataatgggat	420
tctttntnng	tgttgtagt	ctcgctttgt	cacgcaggct	ggggtgcaat	gggtgatct	480
cggctcactg	cactctctgn	ttcctgggtt	caagcaatc	tctgcctca	gcctctcaag	540
tagctaagat	tacaggcatg	caccaacatg	cccactaatn	tttgtactnt	tagtaaagac	600
ngggttttgc	catngttggc	caagcttggg	ctcaaactcc	tgacctcaga	tgatccaccc	660
tntttgggaa	ccaaggcagg	aagattgctg	gcagccaaga	attcnanggt	gcaatgagct	720
atgattacat	cactgngctt	caa				743

<210> 3917

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (733)

<223> n = A,T,C or G

<400> 3917

ttntnnnn	ctaanggctt	ggctacttgt	tcttttttgc	ggagcccatg	cgattcgga	60
aaatatagct	aacacttaat	gtttgaggtc	tgagcacttt	acattaaata	tttaacctat	120
aaaatgaaat	gagaacttac	ttttattatc	ctcacttata	cagatgagga	aaccaagaca	180
cccagagatt	aataatttgc	ctaaggtaac	aaaattagta	agcatcgtaa	ccaggatttt	240
tggtcagctc	acacaccttc	cccgttccct	cactatagtg	cctgctgcaa	attgtacttt	300
aagctatagt	tggacaaaat	attaaaatct	atctgggatg	ataggtgacc	aaaaaaaaa	360

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gtatatttga aagtatcaca gtgttaacag ggcagtgaag atgataaggc taagatacag      420
aaaggaaacc agagagcaga gtctactgct tgggactgtg gctcctccag gcacctttga      480
ccattcccaa taaggtagcg tgagaccctg agcactcttc ctgtaccacc tacacagctc      540
tcctcttctt ttctctgggt tactttattt ttactatca gcatctgttg cactatattg      600
tcgttatgtc agtatttgtt tgttgattac ccattctcca tggctaggaa tgtcagctcc      660
agcctgggca acaagagcta actccatctc aaaaaaggaa aaaaaaaaaa aaaaaaaaaa      720
tcgggccttt ana                                                              733

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<210> 3918

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(748)

<223> n = A,T,C or G

<400> 3918

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agnnnnnnnn nntnnctta tgcctaatag cttggctact tgttcttttt gcaggatccc      60
atcgattcga attcggcacg agctgaagtg aggttgaggt gggcgcacgg agcccccattg      120
ccctcagtgg gtacaccagc ctcccagcac ttctcatgt tcaccaaacac ggaagcttat      180
cagagcttgt tgtttcagaa ctcaattgcc agctcactgc tgaagagatt ggtgggtagg      240
gctgaaagaa atatcagtgg gtctttgttg tattcagccc catcctgaga tggcctatcc      300
aggggctcta taagaagtca cctcattagc ataaactcac atgtgaccaa aaggatcttg      360
ttatgaataa caaaagatgt tcttattact caggaaatcc caagagttta gatgctctgt      420
gtcaggggaag tgggggatgca gaccaatttc ttattctatc acattaacca gaatcaagct      480
tataaaaatg tatttttttt tgtatggtcc tcantgtgcc tacttgaata atttttgctg      540
atltgattaa aaaattctgn ttttccattc tcttttatta gctgtcccat agttttaata      600
cagccatcat cccaagacca gaaggaagtt aagtgtcat ttataaaaat gattgnatcc      660
tncttttcca tctattactt ttgngtccat tatgcatgtc aagctgggtgc ttgggagctt      720
actctntgna ccctctatta gacagang                                           748

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<210> 3919

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(723)

<223> n = A,T,C or G

<400> 3919

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gagctttcat ggtatgtcca taggtgtaaa atgatggcct taatgcttat aataataagg      120
taggtttttg tatgtctaata atacagagaa atttccaaag actttttaat ctttgcttag      180
cataaggagt ttagtcagta actattacaa ggaaaaaatg atcagttttc atttgtcagt      240
tctataagcc ccaggcaagt ttctttcggg ttgacttttt tattaattaa ccatatccta      300
agtgtcaaaa gccatgagtc atttttaaaa tttatctttt tttgtatgcc atcacttcta      360
gttttaccac tttgtactca caaagaagcc acaaattgat taatcattat gtcacttaag      420
gaaataaatc catggcatag gggtaaattt aaaaaatact ttgtactagg attttataat      480
agcttaaatt tattgaaggg ctactgtgtc acaatcaaca tgctcagcat ttttcatgtg      540
ttattttcca tttgtaactg gcaactactt aggattatct agttaaaatc ccttccttta      600
tgggaatgaga tgtctgttta ttacgtttac agccacatta cagatctatt gacataaact      660
ccactatggg aattgtgctc ctttttttcc ccctctctgg ttcacctgct caatggttta      720

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aca

723

<210> 3920
 <211> 723
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (723)
 <223> n = A,T,C or G

<400> 3920
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 gtagttgtct cagcattctt caaatagtc ggtcttgttt aatattatta ttattattgt 180
 tatttaattt tattttattg caactgtact tagagaatag tctggctctg agaccttttc 240
 actgtggtct gttctgggtg acggctccca ccagtgtgaa gcagaaggat gactttgctc 300
 tgttgtcagg acaaccttga aggaaggagc caaatgtgtg gaggtctgtg ggaagagaga 360
 gccacctagc atgtcccac tgaaccagtc agcagaaggc cttccccagg aggcctccaa 420
 cagatccctg aatgccacag aaacctcaga ggcttgggat ccaggaccc tccagcgctc 480
 aagatctccc ttgccgtggt cctttccgtc atcacactgg ccacagtcct ctccaatgcc 540
 tttgtactca ccaccatctt actcaccagg aagctccaca cccctgccaa ctacctgatt 600
 ggctccctgg ccaccaccga cctcttggtt tccatcttgg taatgcccac cagcatcgcc 660
 tataccatca cccacacctg gnactttggc caaatcttgt gtgacatctg gctgncctct 720
 gan 723

<210> 3921
 <211> 719
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (719)
 <223> n = A,T,C or G

<400> 3921
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 ccaagcagac cttggcatta tagatacagg tttctaaaag ctgatagctt ggctgccagc 120
 ctcatgggct ggatcaccca caacttcatt ggctcttct agtgggaagct ggagcatttc 180
 cttggtgaat tcttttccct gaggggcaag atccatgccca cacagctctc tgaccctgtg 240
 tgtcacaacc cttatggtcc atgagcaaaa tggttgctag tagtcatttg ggcatttctc 300
 ttctgttttc ttatgtgtgt aataagatat acaaagtcgg gcttgaagat tagaaattgc 360
 tacttccagt gagtcagttt acttggtttt cacatcttca agttgagtct agaattggagt 420
 tacctaagaa aaggaaattt gcagccttca gtaccgtgtc ctgggggttg tagaataact 480
 agtgccatat ccactctact ggctctctag agattgtgta aaggaggctg gccttttgga 540
 gatgatctga atacatggta ttgaggacaa accttcttcc caaggctgat ttgataatat 600
 gtgagtttgt ggggtctaaca tgtagaaata cactcaactg aatggatgtg gggtaatctg 660
 ggtatttaga cagggtggtt tggtnngttt aatgggncca aaccttgtt nctggaaaa 719

<210> 3922
 <211> 745
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (745)
 <223> n = A,T,C or G

<400> 3922
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 cccancgatt cgagtgggta gcaaggagtt ctgtgtaaat acttgggagg catccaagcg 120
 gagagttaag taggcactga atatttaagt tgagctgagg ggagtgatct agactggaca 180
 taaatttttg gagtcactag tatacagatg gcatgtcatg gaactgattg anattgtttg 240
 tggccttaag atcaagccct gcnagactgg agtaataaaa ctctgggtctc ccacacagtc 300
 agctctgngt ggggaaaaaa aagccctaaa acactaaciaa cggctaaagc ttgggcaaag 360
 ganactgaaa aggttcagcc nttaaagtgg gagagtattt tattattttc aagaaagagg 420
 gaatggtcac ctctgtcaaa tgctgntgan aagttacaca atgagaatag agaaatgtct 480
 atttgatnt gacaacatga tgggtgactgt tttgacaagt ggnccaagcc acattgggat 540
 gcttcgaaga gagaatagga agtgaggtga atatcgacag ctctgtaggg aaatttgctg 600
 ctgtaaaatg gagagaacca cttaatgctt caganggaaa tgggggtcaaa aaaaaaggct 660
 ttttttttta atttttttta naacaggagg nccttcannc atccagggtg gagtgcattg 720
 ngcaaattnc cggttaccaa anacn 745

<210> 3923
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (747)
 <223> n = A,T,C or G

<400> 3923
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 ggnagcccat cgnttcgaat tcggcacggg cctagtagta ccctgacctc caggtgcccc 120
 tgactctggg aaagccttct tgatgatctc aagcttgcan attctgtccc tgttctgacc 180
 ggggggtcaca gcctagtggg agaacaggac ctctgtctaa gatgctggaa ggaccctttg 240
 ggggagctga ggcctggctc ccctctcccc aggcgcagggt gcacaggcgt gtgggctgtc 300
 tgcaagcaca gatcctgcct cacagcacca ttaccacaat aactgaatct gtgtttcctg 360
 gctgctgtta attgtgctan agatttgggg catggttttg ggggtgaagg tnnaaatgag 420
 caattagccc tnaaatgtta aactaataag ggaaataaat gatcaagcaa agtctagcct 480
 angaggttct agcaaccgaa gatgggctgg gacggggctg ggatgccgcc gaccagcag 540
 ggagtggccc ancnggttg cttcaatgac ccangatgtt tccacaantc ggaaaggggt 600
 gctatcttnc tgtctgtac ttagaaagt ctatcttacc cccnggatct nacttacacc 660
 accagancat tactggtcta cccgncaagg ctcttctgct caagaagaca gggaaaggat 720
 ttgctttccc cacnccatta nnacccc 747

<210> 3924
 <211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (743)
 <223> n = A,T,C or G

<400> 3924

ttntnnncta	cttgatgntt	ggctacttgt	tctttttgca	ggatcccatc	gattcgaatt	60
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atgggaaaca	accgaggaaa	gctggagcag	gttacgtata	aaaataaagt	ccattcacca	180
aaaaaggcat	tacttacgag	ttaccagggg	tgagagatag	gatgctgaag	tggtctagaa	240
attaagctac	ccagtatgga	agggctgaca	attcagtgat	cgagagcagt	gccttagaac	300
agccaaaaca	atagcaaaact	gagatctgca	gaattaactc	tcctgaaaat	aacaaggagg	360
tactcatttc	acgtttccct	ctatttgatt	tacaagagg	tgtagcttga	gggaaaatgc	420
ctcacacttg	ttgaattaca	cagttgtttc	tcattcactt	ttaatcacgt	tttgagcacc	480
tgctaagtac	caggcatttt	gctaattgag	agcacagagg	taaaagacac	atcactactg	540
tatgaaatgc	gtagctcant	gggtgtgatac	acaagcacag	agaggttacc	agagagcaag	600
gagggcatgg	aaganaggcc	tntnactttt	ggactgggaa	nggagaaaga	tgtangacaa	660
gaaaatcttt	cccttaagga	gcttgatgct	ttgaacttgt	gccctngngg	aatgaanaag	720
ttnacccant	tngggcttan	cnt				743

<210> 3925

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (743)

<223> n = A,T,C or G

<400> 3925

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tggggttgac	cagaggtagg	caaaggaagg	cctgtgggcc	aaatctggcc	agctacctgt	180
ttttataaat	aaagttttat	tggaacacaa	ccatgctggg	gtttgtttca	tatttcttga	240
ggctgttttc	acactgcaat	ggcagagggt	agtgggtgac	acagatgccg	tctcaccaaa	300
gcctatgata	tttactgtct	ggccctatac	anaaaaagct	tgctgacctc	tgggttagac	360
tgtcagggtg	tananaactaa	ggagggagtg	ataagtccct	gttggccacc	tgaggttttg	420
nctgtgtcag	gaagctgcag	atgggagatg	tccaggcagt	ggctcanaag	aacccatgga	480
ggaccattta	aggggaanggt	tggtatgtgg	acaccancca	cgccangtg	aaccanctgt	540
gcagtcaaat	acanaacttn	ccgtccctta	caccttccct	ctctgngggt	tcaatttttag	600
tgaaagtcan	ccacaccnca	nangtngaac	caaccctgtc	agtcaaaatn	caaaactttc	660
cttgccctct	taaaccttcc	tttttncctg	gtttccaatc	ctgggtggaag	gtccataagc	720
cccagtcctt	gaanccaagg	nng				743

<210> 3926

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 3926

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cnnacagnag	cccctcgctt	cgctcnacna	catnctggg	ccctttttca	tggggattna	120
tgncnagtgt	nnngggacag	gaccattcan	tggctggntt	nnaannttga	tggngtnaan	180
tgcnnttaga	ataaannгаа	cagancaaaa	taangnnngg	ntagnaggaa	gatggnatgc	240
acatganaag	ataanggcag	cagnanaggt	gaggganga	gtggatatng	gggaatgacn	300
ttatnaangc	cangaaacta	gaatctnagn	gacggaaaag	ctnnaaaagn	tctgagncnc	360

ttnnncnanac	ggnggggtacc	cnnggggtcga	acaaaccgnc	ttcttttgaca	tgttgtanca	420
tactgaacan	ggmntccnaa	tcctgcggcc	aangnaagac	acgnagncta	nccnagtcgc	480
tanngccnna	accaatggcn	attncnaggc	gtgatctaac	gcactacagc	ttgnactcct	540
gggctgaggc	ggganaatca	cttggaccca	ggaggcatga	anttgcanagt	gagnctnaga	600
acacgccaat	gncatacgcc	tngnnccccn	anggnccnaa	aacccccggt	cttaanaaaaa	660
angggaccca	agaaagggng	gaatccccca	accccgggccc	nntagaacca	tnntcacccct	720
aaaggggaag	gnnnctttta	nggaaaanna	nccggggcntg	gggnaaaaaa	acanggcctt	780
ntaggnc						787

<210> 3927

<211> 736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (736)

<223> n = A,T,C or G

<400> 3927

tnnttgnaa	ctaangcttg	gnagctngtt	gttcttnncn	caggntncca	tcgattcgtc	60
tgtgggttga	agcctgaatg	tgaatcgctg	caaccagacc	acagggcagt	gtgagtgtcg	120
gccaggttat	caggggcttc	actgtgaaac	ctgcaaagag	ggcttttacc	taaattacac	180
ttctgggctc	tgtcagccat	gtgactgtag	tcacatgga	gctctcagca	taccgtgcaa	240
cagttctggg	aaatgccagt	gcaaagtggg	tgctattggc	tctatatgtg	accgatgccca	300
agatggatat	tatggcttta	gtaagaatgg	ctgcttgccc	tgccaatgca	ataatcggtc	360
tgccagttgc	gatgccctca	caggtgcttg	tttaaaactgc	caggaataata	gcaaaggaaa	420
tcactgtgaa	gaatgtaaaag	aaggatttta	tcagagtcct	gatgccacta	aagaatgtct	480
tcgctgccct	tggttcagcag	tgacatctac	aggcagctgc	tctataaaat	cgagtgaatt	540
ggaacctgaa	agtgaccagt	gtaaagatgg	ttacataggc	ccgactgcaa	taaatgtgaa	600
aaatggctat	tacaattttg	acagcatctt	gtagaaagtg	ccaatgtcac	ggccatgtgg	660
gacccagtt	aaaactccca	aagatttgta	agccnaaaa	ntggtgantg	catcaactgg	720
cttcatacac	ccactg					736

<210> 3928

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 3928

agggnnnnntn	nnnttnncta	ctgnaacctc	taanngcttg	gcnacttggt	ctttttgcag	60
gnagcccagc	gattcgaatt	cggcacgaga	taacctaggt	nttagaagga	taggaacaac	120
aaacatcatg	atcttacaca	cctgcacttt	ctagcaccag	ctcctggaga	aaaatcgaga	180
ggctgaatgg	tgtctgttaa	cagattatag	tcagtgaggc	ctctttcctc	agatgttgta	240
tcttatcaat	ggcagacatt	ttcaacctga	aagacacatg	ctcattacaa	gacttagtag	300
tgctctaacc	ctgttttcac	ttatcagtc	aagacgtagc	cgacatcaaa	gtattcagct	360
tattacagaa	ttgacttcct	caaagtttct	ctcagtgttt	atccaagatg	taattcactt	420
agcatcttta	tctcgctgca	caggactaga	gttgccctcg	aaaaaaactca	ggataccact	480
tggctataga	tcacagtact	tggttcctcg	atttgcgta	actngtgtga	atatgcagcc	540
tcogtgagat	atttgcatat	tgcttctgtg	aacacacagg	acaacagact	gtcttcgcga	600
gtcatacact	cagtcattat	ctcaaatagg	tattccagtt	caaatgtata	aaatcagtag	660

tcttacatgt tacagantgg gtgggatggt cctttgccag gggattaaaa aaaaaaaat 720
 cccaagtctt aatactgntt tctnccnacg aat 753

<210> 3929

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 3929

ngngnnnnnn	ntttnnannc	nnttggaac	ctgtgcnagg	ctcttggtct	ttttgcagg	60
acccatcgat	tcgattcggc	acgaggtgga	ataatatctt	ttgaaataac	taagtccact	120
aaattataca	gtatgctatt	ctggttctaa	gtacatatta	gtcccttggc	aaatctgttc	180
tttcaaagca	taccttcccc	aatgagcct	acctacttct	taaaaaacat	ataacacaat	240
gtggtagtag	taggtgtnag	gaaggtaagt	tntttcatag	gggnatgcan	acatatnatt	300
gaaatattac	atagatntaa	agacttaggg	aataaaaata	gcagcaacaa	atacttgata	360
gatttatcct	acttgggaga	aatattttgt	agcagagtat	ttagtatact	tagaagttga	420
tttagcaatt	aggctttaat	gaccttacia	agtgaacata	actgaacaca	ngtatttttc	480
caatgcaaga	tgaggatgaa	aatnttacat	tttaacccat	ctggctaaag	tttagactta	540
gcaaaaatna	anatgntgcc	tttgnccaag	tatngattca	ngngactaga	catatatggg	600
tgtgtaataa	gganggattg	gactgaaata	tnttttgag	ggtttcacat	gtaaaactgc	660
acttgccctg	naaggatnnt	ggnaanaatc	tgngtttttc	ctcagncnnc	nttnagaaca	720
gtaaggggnc	ctaacctnnt	ttaaccgta	aatg			754

<210> 3930

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (788)

<223> n = A,T,C or G

<400> 3930

gnnnnnnnaa	gngntnnnn	tttgatanen	tnttnaanct	taanggcttg	gctacttggt	60
ctttttgcag	gtccccagcg	attcgaattc	ggcacgagcc	cgccacatgg	cctgtttctt	120
tccttgctgc	tcctgcagca	cagccctgac	tcgggggctt	tgctgtgcc	ctcancgctg	180
cagggcccac	tccttctctt	gtcctggtct	ctgcttagcc	agcgacgggt	cagggaggca	240
tgggtggcca	gcccgaagg	agccaggcct	cccagcacc	cttcccttgt	gtggcctcct	300
cccacatggg	atctcagccg	gtcctggctt	caactaaaca	ggacgtggca	ggcgtgatgc	360
cctgccatt	ccaggcctaa	gccttgacac	agcctggcag	cttctgcttc	tgaattgcag	420
gaccccaact	gtcatgtaaa	gaagtctggc	tgctttgctg	gaaaggccaa	atggagagac	480
cacgtgagag	gccacatana	caggccttgt	ggagaggga	aggtgctgag	actacctgga	540
angggagccc	agttgaccaa	acacccccca	ctgagcccat	ccccagnca	ttccttgcca	600
ggacacccaa	catgtaagt	angcatcccc	ggcgttcca	ancttggnca	ancgccantg	660
ggactgtaac	ttgcannagn	aaaaattttg	cttttnaacn	aaaagtactt	ggccnancnt	720
gaancccan	ttmgtccca	cannaattcc	ttggagagna	taaacccaaa	ttgaattggg	780
tggttnca						788

<210> 3931

<211> 460

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (460)
<223> n = A,T,C or G

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<400> 3931
ttnaccagc tcttgttctt tttgcaggat ccctcgattc gaattcggca cgaggcttgt      60
tctggggaaa gctcatataa gtatggattt tttcctcaa ctagtaggat accaatactg      120
gtattgaaac ttggggaaaa taactggaga taccagtgc gctattttaa gctgtagcaa      180
gggctgcaat cttgcggaga ttttaaagag aagtttttaa gtttctaata ctgatgcctc      240
tttttggtaa atacaagttt tataaatcct gccctgggat cctgattccc cattaatcaa      300
gatttgtcag acttcacctt ctataattag aaaacacagt tataagaaca gtcaattttt      360
taaattttcc aaattaaaaa attgcaccat gattttgaac aagcacttcc aattacatta      420
cccatcttgt atgcataggt tgggagtata attgtcacag      460

```

<210> 3932
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (719)
<223> n = A,T,C or G

```

<400> 3932
anctaangct tggctacttg ttctttttgc aggancccat cgattcgaat tcggcacgag      60
attttaagtg tgcagctcag ccgtatttag tgtattcaca atgttctgca accaccagcc      120
tcctgagtag ctgggtgtgc accctgcacc cagccagaag tggaaatctt tgttggggct      180
gggcttagag ctggagctgg tggccggctc tgctcgctta cagaattctg tacggtttct      240
gatttctctc agcccatctg tccttcactt gcaagcatct gatgactgct gcatgtacca      300
taaaaacatg caaatatata attcttggtt ttgaggaggt gaccctatga aattgactta      360
aaaaagttgg gctggatata gtggctggcg cctgtaatcc cagcactttg agaggctcag      420
gccggagggg cgcttgagcc caggagtttg ataccctgtc tgagagagaa ttagctgggc      480
atgttagtgt gcgcctgtgg tcccagctac tcaggaggcg gggcgagagg gatccttcca      540
gctgagatgt gagggttctt tgagcccagg aggtccatac tgcagtgagc catgattggg      600
ccactgcatt ctagcctcag tgacagantg agactgttta aaaaaaaaaa aaaaaactcg      660
agcctntnaa ctatagttag tcgtattacg tagatccnga catgataaga tacattgat      719

```

<210> 3933
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (742)
<223> n = A,T,C or G

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<400> 3933
agagnntnnn nnttgttgac tctaattggt tggctactng ttctttntnc aggagcccag      60
cgattcgaat tcggcacgag gcctggcgaa ttttttttgt atttttggta gagtttcgtc      120
atgttgctta ggatggtctc aaactcctga gctcaagtga tccacctgcc tcggcctccc      180

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agagtgtctgg	gattacagtg	tgagccacca	tgcctcacct	aggggtgtttg	gtttttaagt	240
gaaacatgca	catggtaaac	attaaaaccg	tctaaaaggc	tggaccatga	aaagcaaggc	300
tcccttctcc	cacccaatcc	ctgaattctc	cctggagagt	atccctccta	agtgcacgca	360
cttccactct	gttccatttc	tgcctgttaa	aactacttag	tgcagcttag	tgtagtggaa	420
cctgtctcag	aataacccat	atgggtcttc	tttattctca	tgaaccacag	agcatttcat	480
gtgttgata	tattgtctcc	tacttacgga	catttggggg	tgtttctggt	tttgtttggt	540
ttgtgacgga	ctcttgctct	gtcaccacag	ctggagtgc	gtggcacagt	ctcgctcatt	600
gcaaccttca	cctcctgggt	tccaacgatt	cttcctctc	acctcccaag	tagctgggga	660
ctacaggtgc	ctgccacat	gccactnat	ttttggattt	tttggtaaaa	caggggttca	720
ccatgtttgg	ccaggttgg	tn				742

<210> 3934

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (799)

<223> n = A,T,C or G

<400> 3934

agttttnnnan	ntnaacnnnt	tgctgccata	gcgtggcttt	ttgcaggacc	catcgattcg	60
aattcggcac	gagggggccc	ccatttttct	caaatnccct	gagcctcaag	aggtggngga	120
agagttgaag	aagtacctgt	cgtanggaga	tttgggtaga	agccctcatg	ctgagctttg	180
tgtccctggt	gatgttggaa	cattaatgat	ggaacatggc	caaacttcag	tcatgatcct	240
gaaacatgg	cttcaggatc	atgactgaag	tcattggttc	ttccctgcca	gaaatgaagg	300
ttcagttatg	aggcaaccct	ctagtaaggc	attgtaaaag	ttactggntt	nggtttaata	360
aaagttagaaa	tanagtanat	gaaaganaaa	ananaaaactc	nagcctctag	aactatagtg	420
agtcgtatta	cgtagatcca	gacatgatag	ggatacattg	atgactttgg	acaaaccaca	480
actagaatgc	actgaaaaaa	atgctttatt	tgtgaaattc	gtgangctat	tgttttattt	540
gnaaccatta	taagctgcaa	taaacaagtt	aacaacagcc	aattgcattn	catttcatgt	600
ttccaggttc	aggggggaag	gncttgggga	aggggttttt	taaattnnac	ggggccgcgc	660
tggnccaatg	ccnttggggc	cccggtaacc	caagcttttn	ggttnccctt	ttantgnaag	720
gggttnaatt	ggccccccct	tngggcntta	aatncatngg	gncantaacc	tnggnncccc	780
cnggggtggg	aaaaatttt					799

<210> 3935

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (834)

<223> n = A,T,C or G

<400> 3935

agagnnnnnn	ttgannctaa	tngctggtn	ctcgttcttt	ntncaggagc	cnancgantic	60
ggtaaatctc	tgggttccag	gctcaagcct	tccactgtat	gtcccatggt	accagctatg	120
ccttttgaac	gggagatggt	gcataaataa	ttgttgagta	tgcaacttag	attctttgct	180
aacatcacat	tgtgtgaaac	tataaaaata	ttcccatgaa	aattggattg	cttaatatca	240
taactgatat	ttaataatat	ttaatatgtc	tctaaaattt	ctggctaaaa	tgaaaatatt	300
caaccatcag	gaaggagaaa	caaaactatt	actgtttgta	aacagtttat	catcagtact	360
tacctaaaaa	tcctggagaa	tgagctcaga	aatatttcta	agagttgaga	cagtttagca	420
aatgaacag	atacaacctc	aaaccaaac	aaactagaaa	gctcagagga	cacagaaatg	480

ccagtactga	gctggcaaca	cctctgttgt	ttgtgaaaat	gttctctgga	acacatggac	540
acaggaaggg	gaacatcaca	ttctggggac	tggtgtgggg	tgggggggatg	ggggaaaggg	600
ganaantncn	nngnnnnnnn	nnnncccant	nnntnnncn	nncnnnttnn	nnnnnnnnnn	660
nnnnnnnnnn	nttnannnnn	nnnnngggnnn	nnnnnnnnan	nnnnnctttg	gnnncnnnnn	720
nnnnnnnnnn	nnnnannnnn	nnnnnnnnnn	nnnnnnccnn	nnnnnaaaan	nnnnnnnnnn	780
ntnnnnnnnn	tnnnnnnaaa	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnn	834

<210> 3936

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 3936

agagnnnnnn	tttttgaanc	taatggctgg	ctactngttc	ttntnncang	atcccatggc	60
attcgaattc	ggcacgagtg	gaagctctca	ggccaagggtg	attgacagag	atggttttga	120
agtaattgaa	tgtataaaaag	gagaccagta	tattgtggac	atggccaaca	ccaagggtca	180
tacagcaatg	cttcatactg	gctcatggca	tcccaaaata	aagggagaat	ttatgacttg	240
ctcaaatgat	gcgactgtga	ggacgtggga	agttgaaaat	ccaaagaagc	aaaaaagtgt	300
gtttaaacca	cggacgatgc	aaggcaaaaa	agtcattccc	actacgtgca	catatagtag	360
agatggaaac	ctcatagcag	ctgcctgcca	gaatggaagc	atacagatct	gggaccgaaa	420
tttgactggt	catcctaagt	tccactataa	acaggctcat	gactcgggca	cagacacttt	480
tgcgtgactt	tttctatga	tggtaatgtc	cttgctcttc	gtggagggtga	cgattcatta	540
aaattatggg	acatccgaca	atttaataaa	ccactttttt	cacctcgggt	cttcccacca	600
tgttcccaat	gactgactgc	tgtttcagtc	cagatgataa	gctcatagtc	actggtacat	660
ctattcaaag	agggatgtgg	cancggcaaa	cttggtttct	ttgaaccgta	ggactttcca	720
aaggggtgat	gaaatagaca	tcccagat				748

<210> 3937

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (747)

<223> n = A,T,C or G

<400> 3937

agngnnttnn	nctttgaatn	tnatgctggc	tacttgttct	ttttgcaggc	ngcccatcga	60
ttcgaattcg	gcacgaggta	agatcctgcc	tcaaaaaaaa	aagtttatgt	tctcaaagtg	120
ctcataatct	agtggtagta	cagtatttga	gatattagag	cagtttctcc	tccttttgca	180
actaaggaca	tgtatcctta	aagcagaagg	aatggcagag	tcgtgtaata	aaccctcaag	240
taccattact	tagcttcaac	aactatcgac	actctactgt	tcttgtttca	tttatgcctc	300
acctccttcc	catccccac	ttgaatatcc	tcaccccttt	tttacagttt	ttaagataac	360
aattacataa	ctgaaatgca	caaatcttag	ctgtacagtt	ttgacatatg	gatacacctg	420
tgtaaccaat	gactgtatca	caacatagag	catttcatct	ccccagcaag	atccatgtgt	480
cttttccctag	ttaatgcctc	tttatttctg	agatgggttat	tgctctgctt	ttgtttttca	540
tgttaggcta	gtcttgccctg	ttctagaatt	tcataataact	gagaacatac	agnaattgtac	600
tcactagtag	tgtctgactt	tttcacaaag	gataatgtct	ggcggtatcc	attcatgctg	660
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taatagcatn	ccacaaangg	ggtntga				747

<210> 3938
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(747)
 <223> n = A,T,C or G

<400> 3938
 agtntnttcnc angannactn antgggctgc cctactcgtt ctttttgtag gnnngcccatc 60
 nattcgaatt cggcacgagg tgtgggtcan tttcatcaag tactttacaa ggtaatagaa 120
 tatcacaagg caagtggagg caggggtgaga tcacgggacc agggcgaaat taaaattgct 180
 aaatgaagtt tcgggcacca ttgtcattga taacatctta tcaggagaca gggtttttag 240
 atcaaccagt ctgaccacaaa tttattaggc gggaaatttc tcttcctaata aagcctggga 300
 gcgctatggg agactggggg ctatttcacc cctgcagttt cgacagtaag agacggccac 360
 gccacggggg ccagttaaga gaccaccccc caggtgcgca ttctctttct cagggatgtt 420
 ccttgctgag aaaaaaagatt cagtgatatt tctccattt gcttttgaaa gaagagaaat 480
 atggctctgt tcgcccggc tcacggcgcg ccagagtta aggntatctc tcttattccc 540
 tgacaatcgc tgttatcctg ntttttcaag gtgccacat ttcattattgc tcaaacacac 600
 atgctgtaca atttgtgcag ttaatacagt tattacaggg tcctgaggtg acatacatcc 660
 tcctcagctg acaggattaa gagattnaag taagtaaaga caggcatagg aaatcacaag 720
 ggtattgact gggggaagtg ataantn 747

<210> 3939
 <211> 810
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(810)
 <223> n = A,T,C or G

<400> 3939
 agnctntnnc canntnnact nctntggctg cncatactcg tectcgcccn annangacag 60
 ggcnnngcga atncggcacn cagaggcagg tgnngttttt aaaaggtnaa cacaccngtt 120
 atgccttcnn gtacgggcat gcgagccaga agantntgca nctgcnnnga gagatgaagc 180
 naaactntgc aacattcaac tgcattaaan aaaaatgatg ccnanagggc ctttgagcaa 240
 gaaatgnngg nngatnaang acaccgngg ccngaactct gcgcgggaca tnnnggttat 300
 ggctctgtna gctcntaacn ctgcagntga cccagacnnc tannggcngg actaggggat 360
 gangcggctc actgtgggcn ntncgtgaga ccncaggnc nncatgatga ctgnaaacag 420
 antcccanan actctactgg atcctccctt ttccttgcta acacatgaaa ctgatccagg 480
 atacacagcg caanaagnat ctgaatggca gtgaattctc ttnaacataa cccgcnatgg 540
 cnatnggggc ttcantggaa tagangggta caggtcaacn ggggttgacc ctgcggnntn 600
 gnnngnncan cggcntntng agncanaaat acncgtaang ccaantttac agccatgaan 660
 caaggatccc ccnttngggg tttggggatc atcacggnat tgntgttggg ggcantaacg 720
 ctgaaatgga aaagggaacc ttgccctta natgaccctt tggggaaanc ccctnaaaan 780
 ggaatcgtaa aagnccaanc nccaangtcg 810

<210> 3940
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (749)
 <223> n = A,T,C or G

<400> 3940
 agagnnnnnn ntnttgactc ctaatggctg ggctactngt tctttntnca ngtngccag 60
 cgantcgaat tcggcacgag ataacttcta aggaacaaa ccacctcac atgcactatc 120
 tcatttgat ttctgtcaat tctgaaaggc cagcatttgg ccagtattat ttgaatctgt 180
 attgtatttt ttaaccagaa gaatgaaggc ttatagcttc attccttttg aagaggaggc 240
 tggagaccac aggttaaagt cagggtgcac gctcttgccc ggccctggaa gggtcctttc 300
 tccctccttt tacactcgca gacaagcttg tggatgctca ataaggacag ctgccgtttg 360
 gacagagatt aatcatttat ttgtgaaggc tttttctgcc ttgctttctt gttccttttt 420
 aaatcttcac attgttttga tcccaaatg tttgtgtgt ccttactcaa aactaggaaa 480
 aacaattatg tggtaagagg ctcagagcca cttacttaaa tctcactaga tttatttgtg 540
 agaacatctg ttttctgata tttagacact tntcttccca ttgctgttcc ctatgactca 600
 tgcacagtta tttgttcagg tttcatggga atttcccaag tgtatttacc tttgtttggg 660
 tttttaaaaa tgtaaattat attggcccaa taaatgagta tgtgtgtca nggggactgt 720
 ggctgggtca ttgcatgtgg aaggggaan 749

<210> 3941
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (740)
 <223> n = A,T,C or G

<400> 3941
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 agtccacact gcagaccctc ccagagattg tggcaaagga agcacaggcg aaagtggccg 180
 aggtggaggg cgagcaggcg gacaacaagg ccaagctgga ggccacgctg caggaggagg 240
 cggccatcca gcaggagcac cgtgagaagg agctgcagaa gcgctcggag gtggcgaagg 300
 attttgagcc cgaacgtgtg gtagctgctc cccaaaggcc ggggaccgag ccacagccag 360
 aaatgcctga cacagtctcg cagtcagaga ccttgaagga cactgccccg gtgctggagg 420
 gcttgaagga ggaagagatc acgaaggagg aaatcgacat cctcagcgat gcctgctcta 480
 agctgcagga gcagaagaag tcaactacca aggagaagga ggagctggac tgctgaagga 540
 ggatgtgcag gactacagcg aggacttgca gggagatcaa gaagggaact ttcaaagact 600
 ggtgaagaaa aattccgtgg aagaatctaa agccagcaag agattgacna aaagggtgca 660
 gcaaatgatc gggcagatcg atgctttgat ctccactgga gatggccaca gcttgagct 720
 ggcccggcaa cggatgcctt 740

<210> 3942
 <211> 746
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (746)
 <223> n = A,T,C or G

<400> 3942

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tccatattttt actattcatg agtttagaag agtggtttact ttcctgagtt ttcattttcct      180
tctttttctt ctgtcatagg taatttacag agcaaatagc caccagagag gataccgtaa      240
gggatgtgga aaatgagttc ctttgcgctt atccagttag gttgattttc agtcaatgag      300
cattcagtat atgcctggga ctctggcttt attttttagc tttgtgatgc caaacccatc      360
aatgaacttc tctgtatatt tgattcatca tgaaatgggt aactgagggg tggctgattt      420
ccaggtttac atcagttgcc ccagggggaag tgcctggccc ttgtctgggt gttgtctgtc      480
taactttgcc ctgttaattg aagaaatgcg gctgtaaaca cttctggggt gttgtctgta      540
ttttctgtcc tcacagttta cagagaaaacc catattttca gcctcttcct ctgctttctg      600
tcttttctgg aacctcttc accgacctgg tgtaatcttc attgngtgt gantntgcac      660
agatgtaaca tctnctcaa gcctantgcc caccttccaa cttcacgaaa atctggagct      720
caggaccacc attctttcca aacctt                                746

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<210> 3943

<211> 743

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (743)

<223> n = A,T,C or G

<400> 3943

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ccgtgagtaa aatgcgatca aacagcattg catgcttcag agaaatcttt cttcacaaaa      180
ggaacaattg gtgcagcaaa attaatcttc ttattttaag aaattgtcag ccgggtgtga      240
gccaccatgc ccggccgaca taggctattt tttaaaatgc aagctcttct gaaccatata      300
atatgatggt ttaaaatata gactctgaag acaaagacct gggctcagaa tcaggcccca      360
ccacttattt tcaatggaat cttgtctgaa tcttgtaatc tttccaagcc tcagtttttt      420
catctgtata atagggataa aaataatagt aaacaataa atgtatttct tttgaatatc      480
tagtagtatt ttaaaaatca gataactaga attatataac tctatgtgct ttatttttta      540
cttgtttgct gggaaatcaa gagcttagtt ttgttttttg ntntttgntt ttttttgaga      600
ccggagtctc gctctgtcac tgcactacag cctgggtgat agaataacac tctgtctcaa      660
aaaaaaaaaa aaaggaaaaa ggaatgaaatc acacttggag caaaaaaacc aangcatatt      720
taaagatttg ngattgggt taa                                743

```

<210> 3944

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 3944

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agtnntnnnn natnggaaac cnttatggct nggcctactn gttctttttg caggagccca      60
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ggttctcaaa gtgtggtccc ctgctagtat agntncagcc tcacattgga actggttaga      180
aatgcagact tctcaggatc cacctaattg cagnagttaa ttttaacaag cccttcgggtg      240
atcctgaaac atgttacagt ttgagaaaca ctgctataat acgtgtcatt tnaaattgnt      300
tcaggttgtg ggggtaggga ataagactac caatttattc atcttctgtg caatattacc      360

```

tgtttaccta	actcttagag	atattaanan	atgttgaaga	atgtgtccca	tgagattata	420
atggaactga	caaattccta	tngcttagtg	atntcatagc	tgncatgaag	ncttantgct	480
gtaccttact	catgtgtntg	nggtggngat	ngtgtacaca	aatcttctgc	actgccagtc	540
gnctgaaagt	atagcacatg	gccgggcgcg	gtggntcacg	cctataatcc	caacactttg	600
ngaggcttga	tgacggcaga	tcacaagggtc	aggnanattg	agaccatnct	ggctaacacc	660
ggggaaaccc	tgtctcttct	anaaatncca	aaattagctn	ngtgtgtgtg	cncacgtttt	720
gtaatcctgg	ctacttggan	gctgaagcac	caga			754

<210> 3945

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 3945

agtnnttnt	nnatnaactn	nttgcctggct	acttgttctt	tttgcangat	cccatcgatt	60
cgtctccacg	tgatcaagtt	gaggggnttn	cggctccctt	ctacagcctc	agaaaaccaga	120
ctcgttcttc	tgggaaccct	gccactccc	aggaccaaga	ttggcctgag	gctgcactaa	180
aattcactta	gggtcgagca	tnctgtttgc	tgataaatat	taaggagaat	tcatgactct	240
tgacagcttt	tctctcttca	ctccccaaagt	caaggggagg	ggtggcaggg	gtctgtttcc	300
tggaagtcag	gctcatctgg	cctgttggca	tgggggtggg	acagtgtgca	cagtgtgggg	360
gcaggggagg	gctaagcagg	cctgggtttg	agggtcgtntc	cggagaccgt	cactncagggt	420
gcattctgga	agcattanac	cccaggatgg	agcgaccaac	atgtcatcca	tgtggaatct	480
tgggtggcttt	gaggacattc	tggaaaatgc	cactgaccag	tgtgaacaaa	agggatgtgt	540
tatggggctg	gaagtgtgat	taggtangag	ggaaactgtt	ggaccgactt	ctggcccctg	600
ctcaacactg	accctcttga	atggtnngag	gcagtgcccc	agtgcccaaa	aatcccacca	660
ttantggatc	ggnncntatg	aaaaagaagc	ctggaaaaag	tattggggcc	aatgtgttaa	720
gnngngaate	ancacattcn	tactgnnat				749

<210> 3946

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 3946

agnnnnnnnt	tnntctttt	ngcctaattgc	ttggctactt	gttctttttg	caggnaccca	60
tcgattcgaa	ttcggcacga	ggacttgatt	tggtaatgaa	aggacaaata	gctttcataa	120
catgaacata	caaaaataga	tgctttgctg	ttgttcagtt	ttctcaagac	ttactgtttt	180
aagcttgtaa	aattaatgaa	cagtaaaata	gcagaaaata	gtgatacatt	ggatgatttt	240
aatagtttta	ttagtgagat	atttgaggta	ttcgaattac	tacaattctt	tccaatccta	300
caagttaaaa	attttgttat	ggttgctgac	ttttaaatgc	tgtttattct	ctgaaggcag	360
ttttatgatg	catttagaaa	aaaggtaaga	gagatgtagg	cattatactg	gttcactctt	420
tacctaatgc	atgaccagta	tactagagga	agttgtgatg	gaccagagtc	tttttgtttt	480
gtaatacaat	gaatagttcc	ttcataacca	ggacagctag	tgtgtgcttg	agaatgtctc	540
ctcactata	tgatctggga	tattctgcat	taaaaggact	cccttcccag	tattggggaga	600
aagagagatn	aattgacaca	tttttactct	gactccttca	tttatctttc	cacataccag	660
gatcattttg	gnctttttaa	atgtccaagg	ttccaataag	tttaaatggt	attagtggnc	720

ttctacattt gatcagtaat gnagatggc

749

<210> 3947

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (741)

<223> n = A,T,C or G

<400> 3947

agagnnnnnn	ttttgactcn	tantggctgg	ctactngttc	tttntncang	nngcccagcg	60
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attaaaatga	aggcatctaa	tggctccatt	atgtctttta	gagtggctctg	gcccagctaa	180
ttgcatattg	aaatacatga	gatttgatca	aaattacttt	cctttattgt	cttttctgtc	240
aatcttagga	cattaaatgt	atatgtttga	aattgtgttt	aggtnggtta	tctgagcatt	300
tggttcatat	agtaaagaga	gtgttataag	ttcactgtaa	gccccagggg	ctttgggact	360
natnnggttt	anaacattgc	actaggggaa	atgaattggt	aagnnatggn	acttctctan	420
actaatgant	catctgantt	aatacttttc	atgtgaagca	tttttaaaga	aagcaaacca	480
gcctggtgcg	gtggntcaca	cctgtnatcc	cagcactnng	ggaggcagan	gcnggctgga	540
tcacgangnc	aaganattga	gacctnctgn	ccaacatggt	gaaaccctgg	ctctactaaa	600
aatacaaaaa	ttagctgggc	atantggtac	ntgcctgtag	tcccagcttc	ttggggangca	660
nagcaggaga	attgctttga	cccgggaatg	gaggttcant	gacccaaate	gcgccactgg	720
ctctacctgc	acaaatgaga	t				741

<210> 3948

<211> 847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (847)

<223> n = A,T,C or G

<400> 3948

cnntttaatt	ccatcagctc	ttgttctttt	tgcaggatcc	ctcgattcga	attcggcacg	60
aggggtgctt	ctgtatatcc	tgacaacagt	ggccagccat	taaagagttt	tgagttagggg	120
aactggattt	gtggtttttag	aaagatcatt	tggcttctgt	gtgaaagagg	ccaaaaccag	180
gagcagaaag	accagttagg	aagctgtgac	agcagttgag	agacgatggt	gtcaaagtct	240
gcagcagaac	agaacagggg	tgacccca	tggacatcat	ctctgctctt	cagtcacctg	300
tagtgagag	ttttgaagta	ggtctgagca	tggaaaccgt	agtggttggg	aaggaaatgc	360
catttgccta	tggggtgatt	aagatctttt	tttttttctt	caggcggagt	ctcgctctgt	420
ccccaggct	ggagtgcctg	gacgtgatat	cagctcactg	cagcctccgc	ctccctgggt	480
caagcaattc	tcttgcctca	ncctcccaag	tagctgggat	tacaggcgcc	caccaccacg	540
cctggctaatt	ttttgtattt	ttaanngnnn	annnnnnnnn	nnccntntnn	ntcntnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	tnntttnttn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	840
ntnntcn						847

<210> 3949

<211> 743

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (743)
 <223> n = A,T,C or G

<400> 3949
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 caggctctccc acattgcttt catctttgtg ctgtttgttg tccctttcca tatctgtatt 180
 tatgtacact gttagggctc ttgccgaagc aggggtggga acaagaacca cagatatact 240
 tctgtggttt gtgaagcatt gtgtggaggg ctgtgtacac agagtacctg gggcagttgt 300
 cacagccact ctgtgtggtg gctgctactg tgcccatctt agaaatgaga aggctgaagg 360
 acccaccag ggccacacag ccagtataacc caaaagtcat acatttgtag tctgttgctg 420
 tctctgtcc tatagtacca cgcactaggg ctctgtcca tgtgcgtaag aatgaccgcc 480
 tancogtcaa taagatgac agcaaggta cacggcatgg ctttaagtct cctttgccta 540
 ctgcatgatg atcccgggtg gccagcaagc agctggaaga ggaggatggc aggtaacggc 600
 tctcatctct caccactaga tgatgcctna ctcatcctac catgctgggc caccacaacg 660
 ttttcttgcc acctatggc tttgtancc cgtgacagcc actgtttgac ttcacgana 720
 cttnttgccg aacaagcacg aaa 743

<210> 3950
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (740)
 <223> n = A,T,C or G

<400> 3950
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 ggccattctc agacgagtg atcccatggg aagtgtggac ggtcaagggt catgtggtag 180
 ccttgccac ggagcaggag cggcagatct gccgggagaa ggtgggtgag aaactctgcg 240
 agaagatcat caacatcgtg gaggtgatga atcggcatga gtacttgccc aagatgcccc 300
 cacagtggga ggtggataac gcgttgaca caggcttgcg ggacgtgcag ccctacctgt 360
 acaagatctc cttccagatc actgatgccc tgggcacctc agtcaccacc accatgcgca 420
 ggtcatcaa agacaccctt gccctctgag cgtcgctgga tctctgggag ctccttgatg 480
 gctccagac cttggctttt gggaattgca cttttgggccc tttgggctct ggaacctgct 540
 ctgggtcatt ggtgagactt ggaaggggca gcccccgctg gcttcttggg tttgtggttg 600
 ccacctcagg tcatcctttt aatctttgct gacngttcaa tcctgcctct actgtctctt 660
 cataccctgg tgggggtccc ccttntttct ccatggacag aanaccacca ctggggatgg 720
 ggaattaaag ttganaacat 740

<210> 3951
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (744)

<223> n = A,T,C or G

<400> 3951

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nttcgttcaa	tagcatgtta	agtagatatt	atctgacaga	cctacaagtc	tcacttatcc	120
gngacatcag	acgaagaggg	aaaaataaag	ttgctgcgca	gaactgtcgt	aaacgcaaat	180
tggacataat	tttgaattta	gaagatgatg	tatgtaactt	gcaagcaaag	aaggaaactc	240
ttaagagaga	gcangcacia	tgtaacaaag	ctattaacat	aatgaaacag	aaactgcatg	300
acctttatca	tgatatttnt	agtagattaa	gagatgacca	aggtaggcca	gtcaatccca	360
accactatgc	tctccagtgt	acccatgatg	gaagtatctt	gatagtaccc	aaagaactgg	420
tggcctcagg	ccacaaaaag	gaaacccaaa	agggaaagag	aaagtgagaa	gaaactgaag	480
atggactcta	ttatgtgcag	tagtaatgtt	canaaactga	ttattcggat	cagaaaccat	540
tgaactgct	tcaagaattg	tatctntaaa	ttctgctact	tgaataactc	agttaacgct	600
gttttgaact	tacatggaca	aatgtntagg	acttcaagat	cacacttggt	ggcaatctgg	660
gggagccaca	ctttcatgaa	ntgcattgna	tacaaaattc	anagttatgt	cccangaata	720
ggtttaccat	gaaaccccat	tnnc				744

<210> 3952

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (764)

<223> n = A,T,C or G

<400> 3952

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gcccattgca	ttogaattcg	gcacgaggct	cattccagct	ggctctatcg	gggcctcaca	120
agggtgaagag	ggaccgcatt	ctggggccca	cgatngacca	cctgtagctn	attccatcct	180
gnaccttgna	tgaggggtag	cctccactg	catcccatnc	tgaatatnct	ttgcaactcc	240
ccangantgc	tnattttaagt	gttnatactt	ttnagagaan	tgcgacnatn	caattgtgag	300
atctcncct	gcccattgcc	tgntngnagg	gcacctctnc	tccaccnnna	tggannnggn	360
ngcagctnaa	nggccctnan	acgganctgn	tttcatnaag	atnacattac	acngagnnga	420
gctaactggc	ctgnatngaa	angntnntta	tgancnaagn	nacaancttt	ttaanngttc	480
ctganannac	ttgngncnct	agaacaatag	antgtccaat	tacaaagatc	cncacntgat	540
gcnatacntt	gatgagcttg	actacaccnc	ngctttaatg	caannncaaa	aantgccctn	600
tttngnaaat	nnnacatata	tncgttttan	gantaacat	ncanaaagtt	gnattanacc	660
angttgaacn	ccncaatggn	ccttcaattt	taannngcta	ggntnngctg	anggtanngg	720
accgcccnnt	nttgtttgct	cggccnggna	atgggattgg	ccct		764

<210> 3953

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (748)

<223> n = A,T,C or G

<400> 3953

agagnnnnnn	ttttttntc	nactaatgct	tggtactng	ttctttctnc	aggntcccag	60
cgattcgaat	tcggcagcag	gtgatgctgg	tgatcaatgg	actggaagcc	aacagcagag	120
acttagaccc	aagaaggag	cttgaggtag	aagaaaactt	cagggtagac	aggaaggagg	180

cgtggtgaaa	gtgatgaaag	gggagagtag	aaggggtggtc	caggggtcaga	cagggagtta	240
gattttaatcc	ttcagggcac	tttcattaca	tcatagctgc	cattttgtct	tttatctgac	300
tcaataataa	gtcagtaata	agtaatgttt	taattaaagg	taaatgcttg	gcaggtagggt	360
taaacttcat	tgagtcccaa	tcctgtcata	attattgtgt	atacctttct	cagctttttg	420
tctacttgaa	atatatttct	tcttcctttg	agcagccaaa	atggaagtgt	tggatgtggt	480
ggctctgttg	gtaggtcctc	gttggatgcc	tgttgtcact	cataaatgta	acaccacaac	540
cataattgat	ggcanagtgt	agttgcaagc	ttttaggact	aattgcaaag	tctaaactaa	600
aacatttcct	gganctgcct	ttaaataata	ataataatac	cttgtataga	tacagtgtct	660
tacaattttac	agagcacttc	cacatacatc	atctcattta	atcttcacaa	ttaacaatgc	720
nttttgaatg	cttagatatt	tcctangg				748

<210> 3954

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (748)

<223> n = A,T,C or G

<400> 3954

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cgattcgaat	tcggcacgag	gtgatgctgg	tgatcaatgg	actggaagcc	aacagcagag	120
acttagaccc	aagaaggag	cttgaggtag	aagaaaactt	cagggtagac	aggaaggagg	180
cgtggtgaaa	gtgatgaaag	gggagagtag	aaggggtggtc	caggggtcaga	cagggagtta	240
gattttaatcc	ttcagggcac	tttcattaca	tcatagctgc	cattttgtct	tttatctgac	300
tcaataataa	gtcagtaata	agtaatgttt	taattaaagg	taaatgcttg	gcaggtagggt	360
taaacttcat	tgagtcccaa	tcctgtcata	attattgtgt	atacctttct	cagctttttg	420
tctacttgaa	atatatttct	tcttcctttg	agcagccaaa	atggaagtgt	tggatgtggt	480
ggctctgttg	gtaggtcctc	gttggatgcc	tgttgtcact	cataaatgta	acaccacaac	540
cataattgat	ggcanagtgt	agttgcaagc	ttttaggact	aattgcaaag	tctaaactaa	600
aacatttcct	gganctgcct	ttaaataata	ataataatac	cttgtataga	tacagtgtct	660
tacaattttac	agagcacttc	cacatacatc	atctcattta	atcttcacaa	ttaacaatgc	720
nttttgaatg	cttagatatt	tcctangg				748

<210> 3955

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (749)

<223> n = A,T,C or G

<400> 3955

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gattcgaatt	cggcacgagc	gcataaggaa	agctggaaaa	taacctataa	ataatggcaa	120
aaaaaaagca	aacaatagga	agaggaacta	tataaaagga	acatttggag	catagaagag	180
agttcatgga	aatgtaaaaa	atgatggtac	cctgggtttg	atatagtaag	taaaaaacta	240
agggtaagag	ggcatgaaa	gcatctanaa	ntaggaggga	aagccagtca	aattcacagg	300
atgaagtcag	gaagataata	gagcantgcc	cgcangatcc	tgagggaaaag	caagttccaa	360
tctataagtc	tgtaaccctc	acacctgatg	gccccctgaa	catattcagg	gcttcaaaaag	420
attgatctgt	catgcaccgt	ctgccatgat	actgtgtgag	gatgtgttct	tcttcttaaa	480
cattaaatca	agaaagaatc	atcagtggac	ccagtnaata	ncanatcagc	ctaggataag	540

atgccctaga	agatggtgaa	nggaagtctc	agaactactg	ttcttcanca	ggcagcnaa	600
acacctgatc	catattggag	tgggtgggatg	cgagcttcag	gaaggggatgc	cacaagggna	660
aagtgggaang	gatgatgact	gtcttcaaga	agttacaggt	ctttaagaat	ttacatccaa	720
cattactttt	gcttcgaagc	cccggctga				749

<210> 3956

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (749)

<223> n = A,T,C or G

<400> 3956

agagnnnnnn	nttgttnnct	acttnatgct	tggtctctgt	tctttttgca	ggctcccatc	60
gattcgaatt	cggcacgagc	gcataaggaa	agctggaaaa	taacctataa	ataatggcaa	120
aaaaaaagca	aacaatagga	agaggaacta	tataaaagga	acatttggag	catagaagag	180
agttcatgga	aatgtaaaaa	atgatggtac	cctgggtttg	atatagtaag	taaaaaacta	240
agggtaaagg	ggcatgaaa	gcatctanaa	ntagggaggga	aagccagtca	aattcacagg	300
atgaagtcat	gaagataata	gagcantgcc	cgcatgatcc	tgagggaaa	caagttccaa	360
tctataagtc	tgtaaccctc	acacctgatg	gccccttgaa	catattcagg	gcttcaaaag	420
attgatctgt	catgcaccgt	ctgccatgat	actgtgtgag	gatgtgttct	tcttcttaaa	480
cattaaatca	agaaagaatc	atcagtggac	ccagtnaata	ncanatcagc	ctaggataag	540
atgccctaga	agatggtgaa	nggaagtctc	agaactactg	ttcttcanca	ggcagcnaa	600
acacctgatc	catattggag	tgggtgggatg	cgagcttcag	gaaggggatgc	cacaagggna	660
aagtgggaang	gatgatgact	gtcttcaaga	agttacaggt	ctttaagaat	ttacatccaa	720
cattactttt	gcttcgaagc	cccggctga				749

<210> 3957

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 3957

agtgtnnnnnt	tttaatccct	actaatggct	tggtactctg	ttctttttgc	aggnacccat	60
cgattcgaat	tgggcacgag	aagagaccat	catctcatca	aagagagtta	aaagtaggga	120
tgttctctgc	aaggcctctt	ctgatatgat	taattgattg	taaattaagt	aatcaaggca	180
tactttgttg	atttgtcata	tctgggtaaa	agggttatgg	tttatttaat	aaatgaaact	240
gcaaaatcag	ttttctacat	ttctgttata	tttttgttaa	agcacttaaa	agaatttctg	300
ctctgtccag	gggcaagatt	cttgccaaga	gaattaatgt	gcgtattgag	cacattaagc	360
actctaagag	ccgagatagc	ttcctgaaac	gtgtgaagga	aaatgatcag	aaaaagaaag	420
aagccaaaga	gaaaggtacc	tgggttcaac	taaagcgcca	ggtaagaatt	tgggtgtatat	480
ttcattgggt	ctgagagcac	tttaagggtg	agatttaaca	catcacataa	ttattntatt	540
cccttttttt	ttcctttaat	agcctgctcc	acccagagaa	gcacactttg	tgagaaccaa	600
tgggaaggag	cctgagctgc	tggaacctat	tccctatgaa	ttcatggcat	aataaggtgt	660
taaaaaaaaa	aaataaaggg	acctctgggc	tacaaaaaaaa	aaaaaaaaaa	actngagcct	720
ntagactntg	tgagtcggtt	acgtanaacc				750

<210> 3958

<211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (743)
 <223> n = A,T,C or G

<400> 3958
 agngnnnnnt tgatccttnc taatgcttgg ctcttggtct ttttgagga cccacgattc 60
 gaattcggca cgaggtaatt tgtaaattct gtggtacttt tcaaatgtat atcattttact 120
 gagtctgatt atcacacggc ctggcatata ataagtactc tataagtatt ggctgatttc 180
 taataggtct gaaaatttat cctttagaat tttttcttca gttggtttag cgagtttccc 240
 tttgatgttg aaaatgtttt tttttaaaaa tctaacctag accatcccaa atcatgaatt 300
 actggttgtg gaaacagtga gactactgtt tttatgccac aggtttataa ttatgcaaat 360
 aaatactaca tctttgcatt cattttggtt ttacttaccg aatttttcatt ccaggaatgt 420
 ctgaatctga acaggctctt aaaggctactt ctgagattaa attactctca tctgaagata 480
 tagaagggat gcgacttgta tgtaggcttg ctagagaagt tttggatgtt gctgccggca 540
 tgattaacca ggtgtaacta ctgaagaaat agatcacgct gtacacttag catgtattgc 600
 aagaaattgc tacccttctc ccctgaatta ttataatttc ccaaagtctt gttgtcctca 660
 gaccttattg cttttaaata taataatgnt ttcattactt ttattatttg gaatgattta 720
 gtaaaagtgt actgaatctg gtt 743

<210> 3959
 <211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (743)
 <223> n = A,T,C or G

<400> 3959
 agagnnntcn tttaatctna ntgnactctt atggcttggn tactcgttnt tnnnnaggca 60
 gcccatgngn ttccaatnec gcacgaggcc aaatgcactt ttgtgtatcc naagngaaaa 120
 gangagaggn ctcgatgac catgcttagt taanggggag ggtgaccttt natatgcaag 180
 tngggaaatn caganaaagt gaaaggggnc canaatgaaa acacatgaaa taagataagc 240
 aganatgaaa ngnggcncta gaactgtaag aagcatttga acaggcanaa cagtgtctga 300
 gacttttagga gagggctcaa gctgccatgt ggccggtcct caaatagtgc tagaatgact 360
 agcatatctt tttacaaaac tatnagcaac ttgagggcaa aaataaagtn tatttatctt 420
 gcatccngaa naataaacnt ggtgctnggc attnggtagg tnnnctttat gngtatatat 480
 gaaaagcata ttttcatttt attagaacat tgtggttaaaa attctattga aaaccatgct 540
 ntaatgtaga tagctcnact tanttcggan gttccaaact ttttngttca agtncccat 600
 tatgctccta aaattggtct gccagtctaa aatacttant tnatgtnggt natgtctatc 660
 gatatttacc atttnagaaa ttaaaactga nagatttgaa accattnttt naaaccctta 720
 catgntaaca taaaacgtat ttt 743

<210> 3960
 <211> 726
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (726)

<223> n = A,T,C or G

<400> 3960

cttatcttct	aatggcttgg	ctactngttc	tttttncagg	atcccatgcg	attcgaattc	60
ggcacgaggt	gaccaccact	ccattcttgt	ctcctgtgtt	ctcggttcag	accaccacaca	120
aaggcagctt	caaagccaaa	tcctcaggaa	gggggatctg	cccgggctag	ctagtcacgt	180
gtcaggcaca	gtcagctctg	ttgaggggtg	tgcatgagg	gctcagttag	gccacagagc	240
tcagatgtgg	ctatgaagac	tcctggttgg	tgggggatgg	cagttctcac	agatgagagg	300
tatggatggg	ctgggtgcaa	tgactcacgc	ctatgatccc	agccctttgg	gaggccaagg	360
tgggcagatc	acttgaagtc	aggagttcga	gaccagcctg	gccaacatgg	tgaaacccta	420
tctctaccaa	aatacaaaaa	aattangtgc	ccatgggtgt	gggtgcctat	attcccagct	480
cccaggagac	tgagcangag	aattgctcaa	acccaggagc	ttgaggttgc	agttagtcaa	540
natcacacca	ctgcncnca	cttgagcgac	agaataagac	tctgngttaa	caaaaannaaa	600
aaaaaaaaact	cgagcctcta	naactatagt	gagtcgtatt	acgtanatcc	agacatgata	660
agatncttgg	tgantttgga	caaaccacac	tagaatgcan	tgaaaaaata	gcttttattt	720
gggaaa						726

<210> 3961

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (747)

<223> n = A,T,C or G

<400> 3961

agnngnnnnn	nnttntctta	tntacttaat	gcttggctac	ttgttctttt	tgcaggctcc	60
catcgattcg	aattcggcac	gagctgagtc	tccttataga	tgaggcagca	gaggcctttt	120
acaaataacct	ctcttgttcc	agttacacaa	gtcataattt	actgagcacg	atggtaaaat	180
ccttttaaaa	tgtagttaaa	agaacagagt	atgcataatg	aaaggaggag	attggggaaa	240
gcaaattaga	agtctatgca	ttctgtagac	agtgaagct	ggttcaagca	gaatgaataa	300
gaaagtaatt	taaaaagaag	gcatcactta	ttgactaagg	tcaaacagga	ggaatacaca	360
taaaaaccag	aaactaactt	caagcagaat	gaataagaaa	gtaatttaaa	aagaaggcat	420
cacttattga	ctaagggtcaa	acaggaggaa	tacacataaa	aaccagaaac	taacagcaat	480
tatgatgata	atattccaaa	aaaaatcttg	agtgaagaag	aagaagaaga	agagtaatat	540
caaacccttg	tgataataag	tgccagggtg	gtagtatgtg	ctgctattaa	agtaaatgga	600
tgttcaatta	tttaatttat	aattctggnt	tcattgtag	tcctttaagg	gaagtgtcat	660
tttgatgttc	atctttacat	gtgaagaacc	ggttaagaga	gattactgat	tctccanggt	720
cactcactga	tgggtgggtg	naattgg				747

<210> 3962

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 3962

agngttnccn	tannaactcn	tgaaangctg	ggctacttgt	tctttntnca	ngnngcccat	60
gcgattcggg	aaccaggggc	tgacgaacct	ttccctcccc	aatgaggacc	ccctctggac	120

```

gccccctcccc atgggagaaca ccaggagacca cagacccag accacagagc acacagggga 180
gggcacgggg cggccggggc aggggtgtctg ctgcctcggt tatgggattt gctccgctc 240
tagcacactg ctgcctgcag tgctcctgtc ccttgcagtg gctactctgg gcctacgggc 300
ctaatacctgg ttggcatgaa aatgtcctga ggctactgtg acaaatttcc acaagctgag 360
tggetttaaag gaacacattt gttctcttac agttgcaggg gccanaagag tctaaaaaca 420
gtcagcaggg ctgggttcctc ctggagctta gaggggctga atccgtttcc tgcctttttt 480
agtatctgga gggcgccctgc atccccctgc ttatggcccc ttccatcacc aaagccagta 540
gtgtcacatc tttcactctc cctgacctga ctncgccttt ctcttagaag gaccctgtgt 600
gactttggac tactagataa ttttagggta tctcttcatt tcaggaacct ggaatttaat 660
cccacctgca agtncctttt gccaggtaag gncacaaatt cacanggtct tgaagatgaa 720
agatgttggg ccctttttga gggncatgat 750

```

<210> 3963

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (462)

<223> n = A,T,C or G

<400> 3963

```

tnttcatctn gcnnttggnc ttntngcacg atccctcgat tcgaattcng cacgagacac 60
attcttccat ttgtcagtaa gagtaataat ttgactgttt tattggattt tagccttttt 120
gatttcatat agctgtatct taatatatca ttgtttttta tatgtctaca ttgaatactt 180
attacttgtg caatgaaaaa taataattaa agatgaaagt taagcctgtt accactttca 240
gagaacaacg tgacgttttg gaatttaaaa ttttttcagt agatttgaga aaaacttggg 300
ttaaatgaa gatttatgct cagaactgag attccagggt ttaagtctgg ttttaaagct 360
gtcttcaaga ttttaagtga ttttctgtgt gtataggatg ctctcatttc tgttttttaa 420
aatgaaaggg atcgctcctg taatcccagc actttgggaa ga 462

```

<210> 3964

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (828)

<223> n = A,T,C or G

<400> 3964

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ccccctttnt ataccntcc tntactnngn tctttttgca ggatcccatc gattcgtttt 60
gtcccaatat ttgtgacacc agtgtaatga cttgggttaag ttgggttgac cagggttcctc 120
cactggncag gttatacttt ttcattctgt aattaatgta tcgctatata ttttatatac 180
tttgaaactg taaacatctt gtcctcatca aaccttcacc tactaatttt agcagtcatt 240
gctaattttt taaactccca ttctttctac atttagtagt tggcattcta ctataaggaa 300
gaattttccc tttttcctta tttgtgtata cttatttatt aatatttatt atttattaat 360
atatatgcaa gtatagacac ttgcattctt attgtattca gtggattatg atccattgct 420
attttctgtt tgggctaaat tgtcccatat tccatcagtg ggaatgcctt caagttaact 480
attgtgtgcc tttgacatgt gccaacatg gtgaaacca atctctactg aaaatacaga 540
aaaattacct tagcatggtg gtgtgtgct gtaattccag ctactctgaa ngctgagtgg 600
ggagaatcac ttgagcctat aaggcanang ttgcaatgag ccnagantag cgctactacc 660
actncancct tgggtgacag cgtgagaacc tgtctcaaaa aataaaaaaa gaaaagagaa 720
aaaggaaaaa aaaaaaaaaa aaactcnacc ctctanaact atagggggagg cgggtattacg 780

```

tagatccaga catgattaag anacattgat gagtttgggc naaccnct

828

<210> 3965

<211> 810

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(810)

<223> n = A,T,C or G

<400> 3965

ttnattccat	cagctcttgt	tctttttgca	ggatccctcg	attcgaattc	ggcacgagat	60
agtaaattag	tcatagaaag	gcaaactcaa	ataactttga	acacagctct	ttgactatcc	120
acctgtgtgt	aaacaaacaa	aactacaaag	aaattttgtg	cttcacttag	ttggtagtga	180
tctggtatag	caattctgaa	aatattttct	gtgtattgta	ggattaaaca	aataagtaaa	240
tataatgata	ttcttgggag	ctgggaccc	cactatgaga	gaagaaagat	aaaaatatgg	300
agtgaaggaa	ggcaaagaag	agctccatga	attggaatga	gagattccac	agattactta	360
ttaattacaa	agataaaaaa	ggaaccttta	tagtggagaa	acttggaac	ttggtggata	420
acacaacttt	tcgttttttt	ggagacagag	tctcactccc	tcacccaggc	tggctctcaa	480
ctccgcacct	caggcgatcc	acctcaaagt	gctgggatta	caggcatgag	ccctgcgcca	540
ggcctatttt	taaaaatcag	atctctcctt	tgtccaatg	tttttatcat	ggaaagagac	600
aaatcactca	tattttcttt	ttncagacaa	tactgcttcc	tgtggtgtag	cccaaagac	660
tcgtcttttn	catgttcagg	taatttatcc	tttgggagag	cactgtaatc	atatatcaat	720
cgtatttttn	aagtgacttt	attatttaat	gtcaagaagt	nccttggttn	tgaaagtagt	780
tttttttaat	taaaccgcca	ncagatcnat				810

<210> 3966

<211> 857

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(857)

<223> n = A,T,C or G

<400> 3966

ggnnnccctt	ttgaaacccc	ntaaagctac	ntgntctttt	tgcaggatcc	catcgattcg	60
gaagaaactc	ccatgaagtt	caaaggagca	gcagatatgc	aggggtgcac	tagaaatgaa	120
aatctgaccc	tttgtccctc	tccttttcat	ctctcttttg	tacaggcctt	ctttccttct	180
gtgcaaacag	acccttgtca	tagtcatagt	ccatcacgct	gttaaagtat	ttccagcact	240
gctctatgat	gtgctgtaat	ttcagggagt	agttttattt	ctacaacatg	ttgctctgta	300
gcacgtgtat	ttcactactg	agtggtagtt	ctaattggaca	tattcttaac	aaaatagtcc	360
cagcattaca	gaatactagg	ttagaatata	tacccaaata	aataaaatgt	tacagacaca	420
gtccaagctc	gttctctcct	gacttncctt	ctcccgtac	agaggaaaat	taccccgat	480
tggcacatct	cattcctatg	cactcttggt	aaaaataact	tatagtttgc	ttctgaattt	540
atagaaatgg	gcaactataat	ccatatgtct	tttgaatcct	tatacatttg	atttggagaa	600
agtatttatg	tttgatgcc	tgtggcttta	ggncatttat	tttaattttg	gttatttttt	660
tgagatgaaa	gtctcggctc	ggcaccagc	ctnggagtg	aaatgggcac	atgggaacct	720
ttgncctccn	tgggggtcna	agcaanttct	ggtcttcata	cctgtaantc	ccancacctt	780
ttaaagaagg	cccnanggcg	nggggaagg	atcaatttgn	gcccccttgg	aattttggag	840
gaccnagccc	tggggct					857

<210> 3967

<211> 814
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (814)
 <223> n = A,T,C or G

<400> 3967
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 attttagctc tgtgatctgg tagcttttga ccttgagtaa attgcctaata gttactcagt 120
 cttagtttcc tcatcagaaa agtggtaagg atgataaagt agttcataaa cattcattga 180
 gcactaagta tttgcaagat actggaggta taaagatgaa taaaacactg ttcattgtctt 240
 tgaagacttc ctagtcaagt ggtgaaatta aacataaaaa caggacattt taatattacg 300
 tgcaaagcac atagtgggca atgtgttggg ttgaagaagg atttttgagg aagtgggaagc 360
 tgaactgcag tttgtagaat aagtaagagt ttagtcaggc aaagcagata gacaaggatca 420
 ttttgggtgg agcgattaat ataggcaaag tcatgcaatc atgaaatagc atgatatgta 480
 tgtgaaataa gagtactttt gcattgtagg ggcattaaac aggtgagcag tcaactggaga 540
 tgagatttga atggtgggca gggcctaagt ccctgagctg caatgtcatt gaagctgagg 600
 acattgagaa tttaaagaga tagagtgagt ctgnngcctt tgctcataac tctcattttg 660
 aaagactaat gtgtgacatn ccacatttta ggggtaggaa ggcntactgg aaggattaac 720
 ccaaagtgg ntagaaactg ggagaaagan naacnccctc aaaaagttgc ttgagagcta 780
 aattaattga atgtggcttg ggaaggatca attt 814

<210> 3968
 <211> 825
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (825)
 <223> n = A,T,C or G

<400> 3968
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 ggaaaagtaa agagatcaaa atgattttat atgtattttt tttgtactca gagaattaca 120
 ttttctactac ccccgctgt ctcagggat agcctttgat aagaatccca tggagatctc 180
 tggaaactta ttacagtgtg ttcagatttg ttagttcata tgtaaatctc agagctagag 240
 cttcaaaaact agagtattgt aatctcagga acataagatt atccaagaag cctgaacctt 300
 gctcttttca tgataaatga catccaaatt tcctttgtct aggagataag catagatccc 360
 ttttatcatg cttctctgag attttcacag aacaaccctg caatttgatt ttgtttgata 420
 attttgcttt ttggcttttc agtgaggact ctattttcca ttggaactga ctctttggg 480
 gataataagc tttcacttaa aagaacattc cattagatag ttctaacttc aatgaaccta 540
 aaagtggctt cttaatttga ataacttggg taacttttgc aaatgggtca aaacagcaca 600
 agtattatac atcaataaaa aagttcatta caatatttgt actcataaag tcaaaatctg 660
 accctgggtc gctttgtgcc tctgtcagcc tacttacagg ggataaaaagg tncacaccaa 720
 gtccagtggg tgccaangga gctttgggta ttagaaaaga agcctgggtc cccctcagtt 780
 ctatgccggg gggggggggc ccgggtnggn ancatggccg ncatg 825

<210> 3969
 <211> 877
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (877)
 <223> n = A,T,C or G

<400> 3969

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cgaccgggag	ctttcccagt	aagcatcagt	tcanaaacia	atttaagtaa	agaaatggaa	180
tctgtaatga	aagatataaa	aaataccact	cagaagaaat	atagagacta	tagcaagacc	240
ccgggctcac	cagacaatga	ttttctcttt	atgtactctg	ttgctagaac	caatttagaa	300
cttgaattga	ttcatcgagg	aggcaatttg	tggttcagggt	gtgcaagcac	agctggcaaa	360
aggtcttgtt	taaatcagct	gtttcatgta	ttagccttgc	acatgcggct	ttatagcatt	420
gactctgagt	ataatccctg	gagaaagctc	acccagttag	aagagatgaa	tccacagctg	480
ggatatgaag	aacaacagcc	tgaggttcca	attctttatc	atgatgtaca	tcccttttgc	540
tcatccagat	cttaatgatg	ccacaaccct	tacgcaaaag	accactttac	ctgcattgtg	600
aaggctcttt	taccctactg	tacacacagg	ctcttgcagc	actctcaagt	taaaatgcag	660
ccgaagaaaa	tagggtcagc	cctgggaaac	accccgggag	cctcttcaaa	aaagaagtac	720
cattgtggat	ggccagaaaa	agtctttacc	gaaagtattt	aacttgmgg	ccttttggtg	780
gaataaagg	ggnaacctat	ttttaaaaag	ggaaaagttt	ttccccntg	gaaggaaang	840
gnaccttcag	gggaatggtg	gccaatnggg	tttaacc			877

<210> 3970
 <211> 912
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (912)
 <223> n = A,T,C or G

<400> 3970

ngncttgunc	cttgaaaccc	ccgncntggc	ggaccatcg	antcgaattc	ggcacgaggg	60
tcancaatan	gcganncttt	tnnatccngg	cgagagacac	gccaataggg	ggnattttaga	120
nacgtggggc	tccannnatt	ttctctgggg	acaagctcat	tccttcctca	ttttctcaga	180
actttggtgt	taacagccng	ttgcctaatt	tgtaggggct	gactttgact	nagcagatgc	240
cttctgnaga	tggaggaaat	aacgacccag	cnccttttaa	ttcacccaag	ctgaaaccaa	300
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caaagccaaa	tccaaaaccc	caagccggcc	tgaattccac	cgggggatga	cttttgatct	420
ccacagangg	mntcttcatg	gggaacnaaa	aacaggggan	gntgcactcg	attnctggaa	480
gtggtatgcn	tcaggagcna	ccgtgnantg	tantncancc	cactcntcaa	atncataaac	540
tntgggagan	tccttcaatt	cactgggcaa	ancntatgc	cntaannget	anncnctgan	600
gggaggctcn	tncantgcaa	aaanccaaan	atccaacctn	gggaagaatt	caagtcaaag	660
acccaanaag	gaggccnggc	aatcaagnct	ccttggncac	cgaatcnttn	acangncann	720
gcttaccnng	gganggcacc	ntatggcnga	anctctgtgg	ggggcaaacc	ctcgtgggga	780
cctncnttgg	nttccccagg	gggtgcncac	anatattang	cacctnantn	ntttanctgc	840
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naaaaaaaaa	cc					912

<210> 3971
 <211> 816
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)... (816)
 <223> n = A,T,C or G

<400> 3971
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 agtgagattg ttccacagca tgtatattat aaaacaaata ttaggcagat agcttataat 180
 gactttttta tattttattt ttcattttatt ttataataag cagacattgg gacaagaaac 240
 ttctgaaaat atttatagtt ctctgaaaga aggtgtcttc ccttccttct gggagttaag 300
 gaatgttttg acaaggaaga aagatgggtg aataagagtg tattgtatta ataactaaca 360
 ttaattgaat atagaatatg tactaggggc tgtaaaaagc tctttatatt ggattatggt 420
 atttaatcct caaccttatg agcctgatgc tattaatgcc tctattttat aaatgaagaa 480
 attatgtcac agaagggttaa ataattttatt caagggcaac ttgccaaagt agcattaaac 540
 cccagagtg atcctctccc tangtgcaga gcaaagttnc aaggggcttg gtatgcacca 600
 gtctcagatg attctattgn ggggtggctgc cagaatcaag cttgctgtga aaactgat 660
 tggaagaaaa aatagtcccc accagctatn gctatnggn cctgtgcatg aacctgagaa 720
 gaaagccaag ccgcntaaa agatgtagag tccaaacctt ttgctgcagc ttcntggaa 780
 tacgggcatn tgcacccaaa acatggntta agggggg 816

<210> 3972
 <211> 817
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (817)
 <223> n = A,T,C or G

<400> 3972
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 ggaagagtat ggctcctgaa cctacacaga gctctacagt agtcgcatct gccagcaag 120
 tgaagacaac gcaaaacttca aatgctcctg atgtaaatga tgcaattgtg aaactattca 180
 atgattttga tgttaaggaa acctcccatc atttagtgat ttctcatcta gatctacaca 240
 tatgtgatga cattcatgct aaagaaaaag agtcaaacag acgtattact ggaggggcaa 300
 tgcaactctc ttttacacag ctaactatag attattatcc ttatcataaa gcaggagata 360
 gttgtaatca ttggatgtat tttagtgtat caacccaaac aaaaaatgga tgggccaatg 420
 agttattgca tgaatttgag tgcaacgttg aaatgcttaa acaggctgtg aaggatcata 480
 atgtangttc acctcctaaa tccccaacac atgcctnttc ccagcacaca caaacagaga 540
 aggactccct ctgaaagggg catgcagaac accttcagta ttatctcaac aatcaaaagc 600
 taagctaatg tctagtctct gtgtgggtag acttgcatat ttcaatatat cccagggtctt 660
 ntacagcngg acaatgtcgn tctttccccc aaaaaccatg atttgctgca ataaaaaatn 720
 cctttntntt tccacaagaa aaggtcagct gtctttttta gaattcacca gaatntttcc 780
 tattccaaat gggaaaggat ttttccaant tccatct 817

<210> 3973
 <211> 804
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (804)
 <223> n = A,T,C or G

<400> 3973

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tttcccagcg	aatagaattt	actgctccaa	aaagctttt	tggcataaat	cacaatactt	180
acagaaatat	aattgtatca	ttgaaaaaa	caaagctcac	cttcctaattg	atacatttca	240
caaactgcac	attagggcaa	tttcttactt	atgaggaggt	caaagaaata	ctctgtcaat	300
atagtataac	tgcttatttc	aaattgtatc	taggaatgaa	taactactat	tatttaaagt	360
actactgaat	ttgaggaac	tgatcaaaga	attagtatta	ttaataaaat	tgtactattt	420
gcaatatatt	tgcttggca	caaatgcaga	gttaaaaaca	taaaattata	aaaaaaaaata	480
atagtgattg	gttggtacta	ctttaaatac	ctactaattt	ccattagcac	taaatcaaac	540
agcacttatac	tggtgtatac	aagtaaaatt	ttgaaagact	cngacacaaa	atgaaangct	600
ttttaaaaat	gtctttgcc	taacanggta	tatgaccctt	tgctaattgg	tatatttcct	660
tangggcact	ttgaggtctt	ttcaaaagac	atctgcgcaa	ttagggctta	aattagaagt	720
agaaatattt	tggcngatnt	ttactatntc	acaaaaaggc	ctacctactg	gntttataat	780
aaaanccaat	tctcaagtnt	tctn				804

<210> 3974

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 3974

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gttcagtcac	agccctcagc	tatcttccct	ccggccactg	ggctacctct	ccttcagtcc	120
cagaagacaa	gtctcacc	cccagggagt	caaggaccag	caaaccacaa	tgataatgg	180
actttttcat	tcctgttttt	cttggcagga	gagaagcaag	gccactaaaa	gaggagatgg	240
tgagagcgg	ggctcagcag	tggtcttgag	gggtaaagga	cttagatgcc	cagatgaaga	300
gggaaagctg	acatctgcag	ggaacccact	ttgaggtgga	ggccatggca	ggacagctgc	360
tggtgggtgc	agaggcagaa	gatgaaattc	ttagtgtacc	agaggttctt	gcagccatgc	420
aggatccaga	agttatgggt	gctttccagg	atgtgggtca	gaaccacagc	aatatgtcaa	480
aataccagag	caaccacaa	gttatgaatc	tcatcagtaa	attgtcagcc	aaatttggan	540
gtcaagcgta	atgtccttct	gataaaataa	gcccttgctg	aaggaaaaagc	acctagatca	600
ccttatggat	gtcgcaataa	tacaaaccag	tgtacctctg	ccttntatca	aganacttgg	660
gtgctttgaa	nataatcctc	cccttttccc	caaatgcagc	tgaacattta	cagtgggttg	720
ccttagggat	tcattcaata	tgtttccctac	taggaatcca	actttaacat	ttttaatctc	780
aaatattat						789

<210> 3975

<211> 871

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (871)

<223> n = A,T,C or G

<400> 3975

ttcccataca	actacttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcagcaggt	60
tgggcttaga	agatggggct	gagtagggag	agaggggtgt	gcctgggagc	tgagccatac	120
aagtgactgc	acaggttgac	atggaggatt	aggtggagtg	aggcttccaa	gcagggaggg	180

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gaatgatggt gggggcccaaa tgaggagcca catcgaagta gatgagagaa tagaagggtga      240
agtaagggct ggcgttgggt agggggagac gccagcagtg atgctgatgc ccaggctgta      300
ggtgtatagg tgccatccac ctggttaaaga gagagctgta gcgcaggaat gaggttgcac      360
atgtagaaga agggaaggat acaggggaga gaagtgtctt ctagtcctaa aaaacagcct      420
gtgggctggc atggtggaac aaacctgtaa gtcccaacac ttcgggaggt caaggtaaga      480
ggatcatctg cttgaccag gagttcaaga acagcctagg caacatagta agatcccatn      540
cctacagaaa aattaagaaa ttagcccgga tgcgtggca cacacctgtg tgtctcanct      600
tacttgggga ggcccgatct tttggagccc cnggggaagg caaagtcttc caatgaccnc      660
cattgatctt tgcccacttg gacttttaaa ccctggggcc aacttgacnt gnccaacccat      720
tgtnttttna aaaaaaaaaa aannnnnnnn naacttcgaa gcccttttta aaaacttttt      780
agtnagagttc cttatttacc cttanatncc caacccttg ttnaggatcc catttgattg      840
aattttggga ncaaaacccc caacntttgg a                                871

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<210> 3976

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 3976

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gcacgaggcc taaagtaact gaagatccat ctnttcgtat acgtgcaagt cacaagggat      120
gcgatggctt ggcttgggct cagaggcctg acactagtta ttataaaatg tactttcagc      180
agtcttctgg gacttgacta ccttgtggat tgtactagaa atgtcaggta tggtgactgc      240
tctgccacc actctaaatg aaactgtccc cccacagtct ctgttgccca ggtgtcctat      300
gtccctcgtc acagctgaat ggaccaaggc agatgtgcta tcaaggacag ccaatcacia      360
gtgagcagta atctctgata tgctttgggt caaaaagctg agttgagtca acagttattt      420
aaatttgtgt gcagtcactt ccgtttgctg gggaatggcg tggtgaggga agattgatat      480
aagttacctc atatctgggt tacatggata tatatcctac agttgcttaa aatacatttc      540
angattcttt ggtttgcagc atgtgttttg gaaaggacag ggagaggaaa ttaagaagtg      600
gagtgaatc caaggaccct tcacctgccc aaaaagtgac gggcttctgg tgtcaancag      660
gtgacagctg gcaaggcttt gccctgangg tgcacagaca aaacaagcan tgcacatagg      720
gaagacacaa gcaaagggtg agctcnttgc catatanagc tgcatgnaaa agcttaacn      779

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<210> 3977

<211> 1005

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1005)

<223> n = A,T,C or G

<400> 3977

```

gatcttctgt catttgcttt tctgagtttt ggccctcctg tcaatctatc tggtcggggt      60
tacttttctn catcttcaag caggggtgtg tcttcaagca tgcattgtctg tgnnttgatt      120
cggaattgat aagttataat agaagcatga gctgctggga aaatatacct cctgatttgt      180
gtggntttat ttgttcatct tgcaggtttt gagtagtttt tgggtgatgt gttgggagat      240
ttnaatgtta cttanctgggt attatctcta ctactttggg ggtcaatatt gaattttttc      300
actgaatccc agcccaacac tntntttttt tttggcncta attncntcga aaaaaaatgg      360
ngtttggatt taagaataaa gangaaaagt nntgggtttt ttagccaggg ttcttgcct      420

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ancaggaaaa aggcttttgg ttccttaaga aaccccatan ccaatttggg gaaattttta 480
aaatttnaaa tncaaaaagg ccctttatat ttattgggaa aaccatcctt ggccttaata 540
attnaattcc nggcnaaatc ctgggaaaat gggaaaaagt ttaggaattg gaaaaaaaaa 600
aaaagnaccc nccgggntnc ccaaccaa ataaaaatccc ccccccaaa aaaaccangg 660
ccatagaccc cacctctggn aaatttcnaa aangggggcc tttaattaat aanggggggg 720
naaaaaanat ttttcagncc ctnttgaaa cccntttggg gngggcccg natttaccng 780
tnanaaatnc cccancctt ggaattaagg aatncatttn gggtggnan ttnggggncca 840
aaaccccna acttnggaaa tgccaaagg gnaaaaaaaa angcctttaa tttgnggnaa 900
aaattggggg agnccaattg gctttaattt gggnaaccnt ttataaagcc cgcanttaaa 960
acaaggttaa cnccccccc aatngccatt ccatttaag gntcc 1005

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<210> 3978

<211> 790

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (790)

<223> n = A,T,C or G

<400> 3978

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tttnnnnnnn nttnnnnnnn ttttgaatnt gaaanccttn anacaagcta cttgttcttt 60
ttgcaggatc ccatcgattc gaattcggca cgagatataa aagcgttttag aanaagaagc 120
aaaagagacc cgcacattcc acccaggag ggcattggaga aagaacagt agtggaagga 180
aaacaggtct gtgctgcctc aagcatagag gtctttctat ggcaggcacc cggggcagcc 240
aaaaggacac tgccacagc caggccagag tctanctgtn acacacatan gcagggtgtgt 300
tgcatacctc aagcatgcgt tcacgagttg tnatacttaa gngaatttgt ttttttacag 360
naacaaccta tagttccatt taaaaagga tngttattta attttaatta aaacatatag 420
tagntgtttn tccactttgg tttatgtatc cattttcaac agctttgttg aggtgttgtt 480
tacacacctc caaattcact ngttttaagc atacaatnta ataattttta gtaaattcag 540
aattgcgcaa acatcacaat ctantaatag aaattttctt tcaactccaa agaaacctgt 600
gctctattta gcaactccct gttcccgccc agtaagccca tatgtgggca aaagttgact 660
ganacttgtg atttttaatt gaaatatcac aaaacttatt gcattttttt tttgagacgg 720
agtctgtctc tgctgncccc agntgngggg aaggggctnc ntcccccn ctngngnnnn 780
ggnggncnt 790

```

<210> 3979

<211> 462

<212> DNA

<213> Homo sapiens

<400> 3979

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taacatcagc tcttgttctt tttgcaggat ccctcgattc gaattcggca cgagcctaga 60
cacctcgat tggggaaagt cttaagtggg tggagcccat gacatttggg tatgatgact 120
agattttttg tacagctgag cctcaataaa ctcatgcgta cacttgtag aactcaaact 180
agaaatgggc acagaaactg gattacattt ctgtgctctg aaatcccaca gagttcataa 240
aaatacacat gtatacaca aagcaacaaa tgtaagttac attttattat ggaaattgat 300
attagtgaat ttgacagctt tctatggtta aagattatcc ttaggtgag ccaaggttct 360
ctgtttttct gatttctctt attcattccc tataatttca gcattttcgt tctcattgac 420
ttaatattcc tgagggtatt attgtgaatg tctttgttta tg 462

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<210> 3980

<211> 475

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (475)
 <223> n = A,T,C or G

<400> 3980
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 tcttttaaaga aagcatccac agtttctgtg ccatttcatt gacaggtttt attttaaatg 120
 gtagaccatc caacagaggg atagggagct gcagcgggtg gctgcttaga ctcaaaaaga 180
 gaantctcgc tgactcatgc aggttgaggt tttgtctcat tcccaggaat gcttggactc 240
 ccagaggcag tgaagccaca catttttagca gaattacctc agcagtgtgg tgcattgatca 300
 tgaacttcaa gtttacctac aaggaagatt tcattgtcct tctgtcacta gccaaacact 360
 tcacagccta nactcctgga ctacataaag gcccatataa aagtgtttgt gtgcatttgt 420
 gtatgtgtga gtgtgtgtgt ttgcagtggg agaggacact tatctttgct ctccc 475

<210> 3981
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (460)
 <223> n = A,T,C or G

<400> 3981
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 tgcagtgagc agagatcgca ccactgcact ccagcctggg tgacagagcg agactcctct 120
 cgaacaaaac acaaaaaaaa gtttcaaaga cagaaagtgg aagttacaag gctttttaag 180
 gccttatctt ggaagtcaca gcancattta ttttgcattc cattgggtcaa actcaagtcc 240
 taacaggcct aagggggtca agtaaaaggt gggactcaca ggaagttcca tatacattac 300
 agcttcactt gcagtacaga ggggaaggga aatcctactg ggacagaacc tcaagtagca 360
 tacctggttg tatattgtgc ctggaagaaa agatggccag aagtatagat ctatagatgg 420
 atggtgattg atggatggtt tgactggatg gtcagggtt 460

<210> 3982
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (463)
 <223> n = A,T,C or G

<400> 3982
 cttegtttga ntcccgttcc aangcaggag cccatcgatt cgaattcggc acgagacttt 60
 gcatttgctc gttttgttca acttttctt ccttctctgc ctgccaaaga aactgtaata 120
 actgtaataa ttnttatgac tttctcttca atgacagtna tcttcttcta ccctaattcc 180
 ttccctctc atccttcaaa tccccttct catcattcaa agnctaactc aagctagcct 240
 ttctctctta ttttccctt atctttccaa tccgtatgga gatttctcac ctttctgnt 300
 ngaggttgcg ccagaatggc gaggattaaa ttgtaatgct tntntaatag actgntgtgt 360
 cngcccacta gatttcaagc tctctaaagg tnaaagctnt ttctnacatc anaactngag 420
 tcctttatgg annntnnac atcngaaggn cnntanttat ttg 463

<210> 3983

<211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (457)
 <223> n = A,T,C or G

<400> 3983
 tattcatcaa ctacttggtc tttttgcagg atccctcgat tcgaattcgg cacgagtcta 60
 gtcagggtc tctcatgagg tttcagttat gatgttggt tgtactgtgt cgtctgaagc 120
 ctggctggct gaagcatctg cttccaactc actcatgtgg ccatttccca gagcccagtc 180
 cttactggct ttttgccagg gaggccttaa tttcttacat atgggcctct ccatagggca 240
 gcatgcactt tgcagctggt ctnccttaca gtgaatgatc caagagagta tgagagagt 300
 tgccacaatg gaagccagg atctgttata acctcatctt agaaatgata taacatcact 360
 ctgccatatt ttgtcagttg cacagacccc tggtagagtg tgggangtga caacacagga 420
 tattaatacc aggangcagg aatcattggg accgtct 457

<210> 3984
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (465)
 <223> n = A,T,C or G

<400> 3984
 ttccatttag ctacttggtc tttttgcagg atcccatcga ttcgctacga tgacccctc 60
 ttcaggctgc catttggttag agggnnaggg agtggctagc catcgagtna gaccatgctt 120
 tgcaccacc atcagcaagg ctcaagatag tgctggcgt gtcagaata agccttcctt 180
 tctgcaggga tctcatctcc atctgtggga accaggtntg aggtcttgaa cagntcctgc 240
 tctggcaaga cacctccaca tctttctccc tcaaacattc atagcctctc tgccatttta 300
 tgcttctggt acaccagaaa taatatcaca atgccctgca tcaactgacc ggctggataa 360
 ttcttttca atatgtcctn cttgcangca naagatcttg ccanaagact gagaaccag 420
 ncttccaaga tggccacagc tgcaccaaag atcacaangt aattg 465

<210> 3985
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (463)
 <223> n = A,T,C or G

<400> 3985
 attcatcagc tcttgttctt tttgcaggat cccatcgatt cgaattcggc ncgagattcc 60
 agcatccatc acagataaca gacagcacta ttcatgaaat cccaacaana acacacgcca 120
 agttcccata tacagggtgca nggcatgctt catttaccat tgaatttgat gacagtacc 180
 catggaaggt nactattaga gaccatgtga canagtttac ttctgatcan cgccacnagt 240
 ccaanaagnc ttctcctgga actcaagact tgctggggat tcaaacanga atgatggcac 300
 ccgaanacaa anttntctgac tggctagcac aaaacaaccc tcctcaaatg ctatgggaaa 360

gaacagaana	tgattctaaa	ngcattaaaa	gtgatgttnc	agtgtacttg	aaaaggttga	420
aaggaaatna	acatgatgat	ggtacgcaaa	gtgattcana	gac		463

<210> 3986
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 3986						
cgctattcag	ctcttggtct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgagatca	60
tctagaatcc	cagcagtttc	cttaagtgtc	ctactgtcaa	ttttccattt	ctctcgtcca	120
aattcacatg	gagacatcat	ttttacacac	ttgtaatcaa	ttgtaggcgg	agtctggggg	180
tcctagcact	ttccctaaca	tcattctcatg	atacttagac	ttttaaagaa	cccttgagta	240
ggccctgtga	taaaggatgt	tagtgaaaaa	aataatgaga	aacagggact	tggcttagag	300
aaagaagcct	gcgtcagatc	agtaggcccc	cctggggctg	tggagcatg	cagaagggtc	360
cttaggaagt	gatgttgtaa	atggccttgg	gccagccacg	ttatttctct	ggacctcagg	420
tcacccatct	ctgaaatggg	agcattgaac	tggctgatcc	ctga		464

<210> 3987
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = A,T,C or G

<400> 3987						
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ggaaaaaact	caagagtgan	aactaagtgg	tgtgtgaaaa	tgctattgtg	cctgggtggg	120
tgaagtcatt	aaatcagaga	gccaaaantn	cctancagag	tggancgaaa	aangaccggn	180
cagacagtgn	gaataatata	tactgatgtg	aaaancaact	catatgatgc	ttgtaaatgt	240
ggaaactata	actntccctg	gaggggtata	nagatgagtt	caattaggag	ggaaactgag	300
tgacaggagg	acaaaattgg	aagggagatt	tttactgtat	aactttgtat	cttttaaatt	360
ttgttccagg	cgcatttatc	atgtattcaa	tgcatttaaa	cagaagagga	gaaggacggc	420
ccatangata	taactattgg	ttaaaacat	cttgctctn			458

<210> 3988
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 3988						
gnaanncctt	tncccnnnnn	ttttgcagga	tcccatcgat	tcgaattcgg	cacgaggcaa	60
tatgtagttt	gccataaaan	gaatgcattg	cttattcttt	tccatagttc	ttcattaatg	120
agactttag	ccaagaatag	aattggaaga	tnccatctcc	tggggtagtc	aaaaaaaatc	180
tccttgggta	atactggaan	canctaattt	tcctaatttg	gttgggtccct	cttaataata	240
aaatnctatg	ggaatnactc	tttagtagtt	ggcctgggtg	gaagctctgg	gaggagcaaa	300
gcancctctc	caggtgactg	gctgactttc	cacctgaagg	agtattactg	caagaattac	360
aaagcaggta	ggactctggc	ttttgatgag	caaatggntg	aaaagtgcct	ccttcccagt	420

cttccttttg ccttcatttt agtttaaagc ttgaagt

457

<210> 3989

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(471)

<223> n = A,T,C or G

<400> 3989

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aagmnacttn tttgaaaccc ccngntcttt ttgcaggatc ccatcgattc gggcacatct      60
tctactagct aacttggtcc ttttttttna aaaaataaaa cccttgcgta gttctccctc     120
aggggatgcc taggattttg gatgagaacg tattggtcca atgtgagtg ggcagtggca      180
ggcatccatt tccttccccc ccattctgnc acagggtgcc atctgcctgg cagtanaatc     240
cantgtcat  gttggtgact ccagagcccc ttccttgctg gtgcctgcct gangcattgg     300
tgtatgtggc gtccctggga ggggatttta gttnaatgaa tgatacgtac ctcttgcttt     360
cctgggntnt gcgagcttta atcccttgat ngctgntgg gaggttgan agacanactg     420
ggaactgtgt nagaaagcat gactcgtatn ncgattgnan ngaaatnanc t               471

```

<210> 3990

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 3990

```

tgnttngant cagctcttgt tctttttgca ggatcccatc cgattcggaa taagtgaatt      60
ggaagatagc tacacagaat gaagcataga agggaagaga tggaaatata cagagctaga     120
gggtaacaca ttgatgctac agacagaaca cctaacatac ttctggagtt ctgtaagatt     180
agaggagaga aaatagagca agagaaatgt tgcaaggatt tttccaaaag gtataaaatg     240
tatccctgaa tatattttta gtaatctcaa cttcaggcat gataactaaa accaaattaa     300
cataaaataa tacaggacgc aaaagaccaa tagaaaatct gaaaagtagc tagaggtaga     360
agatagagta tgttgaaaag aactgtattc taaatacaac ctgattttta cagaaaacat     420
ggaagcagga attcaatgga ttaatgggaa tcatgtcttc aatgtg                    466

```

<210> 3991

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 3991

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gngnntnnn ccctttgaan cccttaatac aagctacttg ttctttttgc aggatcccat      60
cgattcgaca gggtagtgca tgtgacgggtg tccaagacgc acagcagatt ttcattcaca     120
aaaaaatctg accacaagag ctaaaccggaa ataccttccg ctgtccttcc caagtcacag     180

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agcaaacc	tcagttccca	ggggtccgca	tcagttctgg	tggaggcggt	gactgtgagc	240
gtgaccagct	gggctaattc	gtcctgacat	ttagttggga	cagctatagt	ttcctacctc	300
tatgaccaga	gagtgaagcg	tttcaactgaa	gaactgtggc	cggcgtctcc	aggaaaggaa	360
ggagcctcgc	tttctccagg	gcaggggagc	cgtggggcgg	ggcaggccgg	gtgtgtctgt	420
ggggagtggt	cgcgtgtcca	cactctttaa	gctgcgactg	cttccttttag	gacagaatga	480
agttcttcga	ggaggccgat	gaagacagaa	tatggataag	gccaaacctc	cacaaaatcc	540
ttctacatct	tcatatcaaa	acatgtttaa	cataaacctn	caaataccta	cagggatata	600
agcacagggc	tttctaaaca	ggcgggatata	gcaacctcgt	tctatcccan	gcccacacag	660
aaagtgttgg	gggaatcact	gaagggaagga	ngagaaagaa	ctcagaagaa	ccataagaga	720
gcaagacatg	gacaggaaac	caatggccca	cgcgccgcan	gaagacttaa	aactncag	778

<210> 3992
 <211> 905
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(905)
 <223> n = A,T,C or G

<400> 3992						
ttattccatc	aagctcttgt	tctttttgca	ggatcccatc	gattcgcttc	catgttatta	60
gtaattctgt	attccatttt	gttaacgcct	gtagatgta	acctgctagg	aggctaactt	120
tatacttatt	taaaagctct	tattttgtgg	tcattaaaaat	ggcaatttat	gtgcagcact	180
ttattgcagc	aggaagcagg	tgtgggttgg	ttgtaaagct	ctttgctaata	cttaaaaagt	240
aatgggtgat	ttaaaaagaa	aaaaggaaaa	aaatcttttg	ctgaatatgt	tcattgcttg	300
tattttttaa	acaacagaat	ttccagtatg	aaacaggctg	aaagagcagg	aagaaatggt	360
ctttgtataa	taatgggaag	tttgaatat	aaaagtttat	atattattta	tctattggag	420
aactgggtga	caggaggaac	attttcttac	tgtgttgctg	ttttccatca	tgtgttatcc	480
taagagttgg	ggttttttaa	aatctgtttc	accaggggaa	aataaaaagca	tcctaatgt	540
tcttcctcta	aaaaacccan	nnnaannnnn	nnnnnnnnnn	nnnnnnnnnn	ncctcggaga	600
gagaaaaana	cctttctccg	agccctntan	aacctatagg	ggagtccgtn	ttaccgtaga	660
atccccnacn	ttgaataaag	aatnccattt	gggttgaagt	tttngggacc	aaaaccccc	720
aaacntnnga	aattgccnnn	tggaaaaaaa	aaatgccttt	ttnttttggg	ggnaaaaatt	780
ttgggggaaa	ggcctttttt	ggctttttan	ttttgngaaa	nccctttttt	ttaaagcctg	840
gccnaattaa	aacccaaggt	tttaacccaa	nccaanccca	atttgccent	tttccanttt	900
ttnt						905

<210> 3993
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(790)
 <223> n = A,T,C or G

<400> 3993						
gaancccttt	tgaaaancct	anatacaagc	tacttgttct	ttttgcagga	tcccatcgat	60
tcgaattcgg	cagagatat	tattttaatt	ttatataata	gcatgtactg	ctttacacat	120
ttttataata	agtcaccaca	gtattacact	ataactacgt	tataagtgca	atagatatgg	180
gtncataaaa	taaaaatagt	tgaggagaaa	aaacctttag	accattcatt	ataacgtgcc	240
anactgataa	ggggaaaacc	ccccatgtca	catgagagaa	ataaaaccca	ctgccatttc	300
tctgtgcctg	ggtaactgag	ttgattgtat	tcaccagaag	gttcttgttc	tgccttttag	360

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acctgacctg gtcatttccc tgttcacacc ccagtgacta agctgaagag atttatcatg 420
atgcctgtct ttttctgttg gccttggtca cttccatgtg catgagcatc tccatccaaa 480
agtggccttc ttctctagcc ccgatgggat gtccagtngcc catgtttcta atagaagacc 540
catgccaaag ccactttgac aactctccac tcgcaagaat gctgtcggcc tntagctaaa 600
ctgttatggt ccaactcaacg ctgtacactg tgtggccact ttccttccgc tttctgtcat 660
tgcagggang ttgtaaggca acacccangg ggcttgacct cttcaaggac tttgccagca 720
ncaaaaaccc aancctgggt acacctggc ttaaaaaccc acanccccag caanttnca 780
gctttnaatg

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<210> 3994
<211> 898
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (898)
<223> n = A,T,C or G

```

```

<400> 3994
tttaattnca atacagctac ttgttctttt tgcaggatcc catcgattcg aattcggcac 60
gaggacactt tcattgttgt gccagctggt tgaaattaaa actctgatat tacttttttt 120
gaggattttt atttttgttt ttgcttaaac atatagtttg tctagaagtt taaaaagcta 180
aaagttaaaa atggtgtaat tatgaaaac taacactcaa gatagtttct aaaaggaaat 240
cagtagttaa ggatacctga tttcaaaata tttaaagcat aacctaactg atggtaggat 300
gattgtatct tgaatatgtg gtagggccac atctattgta ggaaaacctt gcttttatca 360
tctgtgtgta aagggcttaa taaggagaag aggccttttg actgatttgt gagtataaat 420
gcatttgctg tttcatttca aaaatgttgt ggaggaaaag agtacattta acttgataaa 480
gagaatattt gtactcctgt ccaggctgca ggacctttct tcgagagctt tgcacacttg 540
acttgaacca cattttctga tccctttact ttgttttaga agcaccactg aaaaatctcg 600
ttgttttaaa gtncaatttg taaatatttc aaaaaanann aatnnnttnn nnnnnnctcg 660
gagcctctnn aacctttagt ggagtcgcta tttaccgtag natccnnaaa ccatggatta 720
agaataccat ttgggttgga agttttnggg ccaaaaccn caaaccttg gaaatgcct 780
ngggaaaaaa aaaaaaggcc ttttaatttt tngggggaaa aaattttggg ggaatggcct 840
attttggtt ttttaanttt tgggttaaac cccctttnt ntaagggcct gngcnaa 898

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<210> 3995
<211> 833
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (833)
<223> n = A,T,C or G

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<400> 3995
gncnnttna taccatcanc tcttgttctt tttgcaggat ccctcgattc gaattcggca 60
cgagaatgga tgaatttttg tttgggttga agaattctct tgagaagttg acacgtggg 120
gcaatggtt gtttctcttg tatttctgaa gttgcaaata atcatgtaag cagttcaacc 180
aggagttaac accaaacttt taataggcga tatatcatta ttttttttcc cattggttg 240
gataacatcc actttaactg gcagttagtc atacttagct atttttgtta aagcaggtga 300
tttattgtta ttttatattt atgacatgat taataagtga atatggaaga ttttacattg 360
acttagggga tcaaagtttt cattatatta acacctttaa ttgccatgag ttttctattt 420
ctagcatgca tattttgtgt tcattcaagt gaagaaaaca gtcttttgtg ttctcaggta 480
ctgcataagc cgaccacagt ataagacttc ttgtggcatc tcttcattaa tttctgttg 540

```

gaattttctta	tacagcacia	tgggagctgg	aaaccttccc	ctattaccca	agaagaagct	600
ttacatatcc	tgggctttca	acctccattt	gaagatatta	aggtttggtc	ctttcacggg	660
gaatcaacac	ttatgangnt	ggtttaagac	aaattaaatg	acccctttcc	atgtnaaaaa	720
ggatgctctt	atggttctat	attaaccctt	cattggggaa	gaataaaaac	caccagggag	780
aaaacctgct	tcanggggnc	cctgtcnaaa	gttaaccccg	ngggtttgga	aan	833

<210> 3996

<211> 838

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (838)

<223> n = A,T,C or G

<400> 3996

atnctggttt	aattccatac	aagctacttg	ttctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	gagaagcaga	gggacaaggt	gtcatccaag	tgacctacct	gcctcagcct	120
cccaaagtgc	tgggactaca	ggcatgagcc	actgtgcccg	gcctgttatt	gttggtgtgt	180
cctgctttta	tgggtcttct	ttttctttat	ttgtaatagt	ttccctccc	actccactg	240
ttttcttaac	atggagaaac	ttttttttta	attgttccca	gtgaatgctg	tctcttccca	300
tgttgactcc	attcacttgc	catgaattga	cttagtgcca	gacctctgtg	ccttcttcat	360
gtaaccagct	caccttagcc	ttcttgtaga	gggcttatga	tcttagttgg	attaagttaa	420
caagtttttg	ttcagaaatt	ggaaaatact	agtcaccatt	actttcatct	gtacttgaaa	480
atttctcttc	tcagacatcc	atcatctcta	ggtgttggtg	acaangcttg	acatctttct	540
aacagttgac	tttggcttct	taaattcctt	gaactaattg	agagttttct	taagcagagc	600
ttanaaggag	tacttgacgc	ccccaaaaca	aangcaggtt	tttaaaatta	ttggnctata	660
agtctttggt	tattccagct	gtcacccaaa	atggggattt	tangcattta	caatcggtaa	720
aagggcaaaa	ccccaaatta	ggggatggac	aaaatccctc	actggnggat	gactctttaa	780
tgcttaccct	caagactttt	ttaagagtgn	ggattatcaa	ccagnactt	cattggcn	838

<210> 3997

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (777)

<223> n = A,T,C or G

<400> 3997

tgaaaccttt	tgaaaccttt	nanacaagct	acttgttctt	tttgcagggg	tcccatcgat	60
tcggtaaaaa	ccctctgatg	caaaaaaaag	tattaacttt	cacaagctgt	ttgtactcaa	120
atacattttc	tcagtttcag	atcctctgct	gttttattga	gtggaaagtt	gagctaaaac	180
ggttcaagaa	gaataatgtt	gcatttcctt	atgtctcagg	aaacactttt	tatggtaact	240
tgtcagattg	tctatgaaca	aaccactttt	tttagacatt	gataaagtct	tcttttcttc	300
acgtgatatt	ttatacaaga	gcacttcaga	tgtattagat	gtgactgatt	ttaacaaatc	360
ctattagatt	tgtatcaact	agttacatgt	tctattcaca	gtcttttgtg	aatcattgcc	420
tttttgtttg	aaaagatggc	ctcttttgag	cctttgtttg	gatacattcc	tgtttttgtg	480
acaaaagaaa	aacttttaaaa	ttgtcccaag	cagaaaaata	atggctatca	gaagtatgtt	540
ttgtttcagt	gtgagttact	gttactgtat	ttgtttattg	ttaaactaga	catttagcat	600
tcactgcagt	tttcaataaa	aagtaattaa	aatttgttga	gttctgaaat	tcaagtacat	660
ctcactaatg	taaaagtctt	ctacttgaga	tgtttaaggc	aagtgcgttg	tcaattacca	720
atttccaact	cttgttctac	aggggtctatc	tgctatttca	taccagactc	aagaatg	777

<210> 3998
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (772)
 <223> n = A,T,C or G

<400> 3998
 tgaacncttt aaacnctttt gaaatccttt nggcttctgc aggatcccat cgattcggct 60
 atgtgctgac aaatgtggcc tactttacna ccattaatgc tgaggagctg ctgctttcaa 120
 atgcagtggc agtgaccttt tctgagcggc tactgggaaa tttctcatta gcagttccga 180
 tctttgttgc cctctcctgc tttggctcca tgaacggtgg tgtgtttgct gtctccaggt 240
 tattctatgt tgcgtctcga gagggtcacc ttccagaaat cctctccatg attcatgtcc 300
 gcaagcacac tcctctacca gctgttattg ttttgacccc ttgacaatg ataatgctct 360
 tctctggaga cctcgacagt cttttgaatt tcctcagttt tgcaggtgg ctttttattg 420
 ggctggcagt tgctgggctg atttatcttc gatacaaatg cccagatatg catcgtcctt 480
 tcaaggtgcc actgttcac cactttgtt ttccttcaca tgcctcttca tggttgccct 540
 ttccctctat tcggacctat ttagtacang gattggcttc gtcactactc tgactggagt 600
 ccctgcgtat tatctcttta ttatatggga caagaaaccc angtggttta gaataatgtc 660
 agagaaaata acccgaaca ttacaaataa tactggaagt tgtccagaag aagataatta 720
 tgaactaatg gacttgagac ttggcaatct gccaggggga gacacaaaat an 772

<210> 3999
 <211> 801
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (801)
 <223> n = A,T,C or G

<400> 3999
 tttaaacctt ttgaaacctt ttttaaaacc ctttaaaaca gctacttggt ctttttgagc 60
 gateccatcg attcgaattc ggcacnagta acagtcctat attgtttcct gggcaagtta 120
 aatagtccta attggccctg agttgttaga gaatgtttgt gaaccactca cacagacctt 180
 gacagatagg tttttgtttt ttgctttttt gaagtacatg atatagacag gaacacagat 240
 ttttaaatgg tagctgttac taagtgtggg agagagcttt gactctggca gtttgggatg 300
 gcctttcaaa attgacaagt gtggttgtta ggggttagaga gtaagttggt gatgaatgat 360
 acactactct ttggagaata aagagccagg tgtgagggtg gagtgttcta ngattaggag 420
 acttgatgt gtttgaaacc tgaggagtaa gaaattggtg gagagaaggg actctgagag 480
 gatgccacag tattggctac agctttttca tcttcccaa ttatccagta aaagcagagc 540
 tccctttaat attgggagca atattaatat gtttactctt atcacttgta tttatcattg 600
 nattagangt cctaacaagt acaattaggc aagaaaaaga aatgtttcca gnttaacaag 660
 aggaaataaa acttttgtgg tttgcaggtg gaaatgaaaa atcctaagga ctctttaga 720
 aaaaactntn tttgaaaatt nccanaacag cccaataatn ttttgatngg gaaaaaaaaa 780
 acaanaatgg gttttattgg t 801

<210> 4000
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (777)
 <223> n = A,T,C or G

<400> 4000
 agnaancnnn ttnttannnn tttgaaanct tntaaacaag ctacttggtc tttttgcagg 60
 acccatcgat tcgaattcgg caccgaggtct tcactctgcg acaacaagct tcttgaaggc 120
 aaagaccata ttttaagtat cttttgtgtc ctagatgcac tgagtaaaan nccagggatg 180
 ccgcagatca taaattngtg ntaatnttca aaaatagact ctaaaattta natttacana 240
 aacattgnaa agatactgna nagtttctgc tatectacac tgtttcccat attattaacg 300
 ncttacatcc ctgtgatcat ttgtctgnat taataaacca gtattgatac attatcacag 360
 agaccatact ttatnagggt tccacaggnt ttttccttaa tgttccttca ctatcccagg 420
 atcccatnca caataccaca ttacatttag taattatgtc tccttagctc ctcttggttg 480
 tgacaatttc tcagactttc cctgtattta gtgaccttg cagttttgaa cattactggt 540
 caggttntgt ttgtttgttt ttttgagaca ggatctccct ctgtcaccaa gactggagtg 600
 cagtggaaag atctcatctc actgcagcct caacactctg gggcgaagt atcctntgac 660
 ctcaatgtcc ggagaanctg ggcccagana tgtgtgccat catgctctct aaaaatacaa 720
 aaaaataacc cggcgtgatg gtggggcctg tatcccagct actcnggagn tgagggga 777

<210> 4001
 <211> 787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (787)
 <223> n = A,T,C or G

<400> 4001
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 ggatcccatc gatttcgaatt cggcacgaga cactgttcta aagggtgtgt gtgaattttc 120
 ttttttattt attaccacaa tctgtgaaca aatacaata tctttccagt tagtgcattc 180
 cctcaaattg aacttctggc tgcaaggaaa gctaggaatg attatgggtt tgtagtaag 240
 gaaaattatc aaaatgggat attagggttg ctactagcag tcttggcctc atgctttcag 300
 taaatagtgt gcacttcaga tcatgtggca ttggagaaag gaagaacatg ttaataatat 360
 aacatgggtt aggtcatgga gtcttgatta ttgtttccta atggtactgt ttgacttcat 420
 aggtacaag acaaatttct tcaagtgtaa atttttcgat tgaagaagac ataaagcctt 480
 tgagaattta ctgtatactc agcactttgc ccgggtgtag gataaggatc aaaatcatga 540
 aagcctaatt tctttcccca gagacttatg aatgtggctg aaaagaaaaa gtacaacaca 600
 tgcaaaataa ttatgaaata atgatgtatg acagggaatg agagaagggg gagatcagtg 660
 tgcatgaatt aatgagaaaa acctcatgga gaaggagcag catagggttag atcttaagga 720
 atgggaaata ttgcagcana tgaaaangac tgccagggtg gggtataata tagtagngga 780
 agaaaaa 787

<210> 4002
 <211> 780
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (780)
 <223> n = A,T,C or G

<400> 4002

aanccnnnnn	nnnnncnttt	gaantcatag	aaacaagcta	cttggttcttt	ttgcaggatc	60
ccatcgattc	gaattcggca	cgagggcctt	tttccttggt	ttcttcttag	tgacagcatt	120
ttttggaact	ggaatatag	cttctattaa	cagctttgat	cttgccctctg	tctattgctt	180
tctgactgtg	ttcagtcctt	ttatgatggg	agccctgatg	atgtggaaga	ttttaatccc	240
ctttgttctt	gttatgtgtg	cttttgaagc	agttcagttg	actactcagt	tatcgtcaaa	300
aagccttttt	ctcattgttc	tcgtcatatc	agacattatg	gctttgcatt	ttttcttctt	360
ggtcaaggat	tatggcagct	ggcttgatat	tgggacaagc	atcagccact	atgtgattgt	420
catgtccatg	accatctttt	tgggtgtcct	caatggcctg	gcccagctgc	tcacaacgaa	480
gaaactcaga	ctatgtggca	aacccaaaag	tcacttcatg	tgaggttgct	gaagcaccat	540
tcagcatctg	gaccttgatt	ctccttttaa	gctaaaatct	catcaaggct	tcaataagaa	600
gatggatatg	gatatatagt	atattctact	cctgtaagga	aaatggtatt	tgggaattccg	660
aattgacagg	ttatctggaa	caaaggagct	tctttttttt	tctangtttt	gcaggcatga	720
aatagtgatt	atatctgtgg	aaaagcatan	gaaggcattc	tcctttttca	tttttttctt	780

<210> 4003

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(797)

<223> n = A,T,C or G

<400> 4003

tttgaaccct	ttnaanccct	tttgaaaatg	naaanacaag	ctacttgttc	tttttgcagg	60
atcccacoga	ttcgaattcg	gcacgagttt	agatggagct	cataattata	caaactcatc	120
tcgttcacaa	atccctaggg	ctcaatgtta	aagtcagcca	ttgtttaagg	cagaaattca	180
ggtttagata	tagtgttagca	aagattttcc	attatatgag	atatacatcc	tattaaacat	240
aaaacttttc	tcttggtctt	ctatttttact	gtcttttggt	gccatcagct	gtatgcccct	300
taattttttc	tagtaatacc	ttggaattta	aaaatgaaat	tacaaatggt	tatgttttag	360
tgtttttaaa	aataattoga	ttaagtatgc	tatgatagag	gagcaaagtt	gttattagta	420
atatcaatgt	gcttacaact	tatggaaatg	aaaaatagtc	tttagtccta	gcagcctttc	480
tgctgtagta	aaatagtttg	tgcaacttaa	atcgtctgtga	ggttacatct	tcaaaggact	540
gagtggcata	agccagggag	gtcttagaaa	tcttacaaaa	ggaaaaaaat	aagaaattat	600
tcctcatcat	atgaaaatta	tttactaaca	atgtatgatg	gtttaanctt	cttttaaatt	660
cttcactttc	cactcctttt	tgcttctttc	cttttagttg	gactattacc	ggagttacct	720
tacactaatg	ttgangtatt	tggggttcan	aagaaaaata	ggccaagtaa	anggaaaatt	780
ggaaaatagt	ttccaat					797

<210> 4004

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(816)

<223> n = A,T,C or G

<400> 4004

gnnnnnnngg	nnnnnnnnnt	ttnnnnnnnt	aatgaaccct	ttgaancccn	tntgaaaanc	60
cntngaaaca	anctacttgt	tcttttttga	ggatcccac	gattcgcact	gtggagtccc	120
tgcaagtcag	caggaccagg	gctgtcttcc	tgcaccatct	ggatttggtt	agctctctct	180
gggcagtggg	gccgagtctc	atttcctcca	acaataatgt	tatataggca	atgatcctgg	240

gctgccctaa	cataattgaa	aattatgtgt	attgtaggct	tggagtgtg	aatgtgggc	300
tcataaaaat	atgtggtgca	ggtagcctat	ggagattgga	tgtggcacac	aatgaacttt	360
atgtaaagta	agaactataa	gtctccatgt	taatattgta	ttatgagtat	gacagttctt	420
gggtgggtcc	tcagggcagg	tctgtcacct	tcaacaaagc	ccgagtttcc	taattctaca	480
gagctgggat	ttggatgtaa	tcaaatcggt	tttgcagggtg	gccaaagatg	aaaacttgtc	540
caccaatcca	gctctcccca	ctgagggata	gcatgggatg	tagatgggtt	tgactccatt	600
tggcattttt	gttcacggnt	ttttatgaga	tggagagggtg	agtgttggtg	ggtgtccatt	660
ttggttggcc	tcaaggaaat	gactctattg	agtggttttg	accaatgcac	tcatatagtt	720
atgtggtaag	tgaaggatgg	gggtcctgta	cacaaccacc	cactagtctt	nttctccacc	780
aaaaagggaat	aaaagttttg	ctttcattct	caaaaa			816

<210> 4005

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(786)

<223> n = A,T,C or G

<400> 4005

ttnnnnccnt	tnnnnnnnnt	ttgaatttct	ttantacaag	ctacttggtc	tttttgcagg	60
atcccatcga	ttcgaattcg	gcacgaggct	ggaggctgtc	agaaggatgc	tgggggtgaa	120
gacacctggg	ggtcctgaca	accattggga	gtgtctgggtg	ctcctgggtg	agagagaggg	180
ccagtgggaa	aagcctgcag	gccagccct	ggggcagaac	tgagtgtggc	gggtgctggg	240
cacaggatat	tccccagggg	gcttagcttc	atgcattcag	gcttaccttg	aggctccaag	300
cttattgggtg	gcataagctc	tgcagatccc	tcacctgcca	tcagcctcat	ctgaatcttt	360
gtctttcctc	agataagccc	ttaggcacca	gcttagacac	ctccaagaac	caggccccgc	420
tgatgcaaga	tggcagatct	gataccatt	agagccccga	gaattcctct	tctggatccc	480
agtttgcagc	aaaccccaca	ccccagctca	cacagcaaaa	acaatggaca	ggcccagagg	540
gtgaagcaaa	cagtgtccct	tctggctgtg	ttggagcctc	cccagtaacc	acctatttat	600
tttacctctt	tcccaaacct	ggagcattta	tgcctangct	tgtcaagaat	ctgttcagtc	660
cctctccttc	tcaataaaag	catcttcaag	cttaaaaaaa	aaaaaaaaaa	aaactcgagc	720
ctntaaaact	atagtgaagc	gtattacgta	gatccaacat	gataanaaca	ttgatgaatt	780
tgga						786

<210> 4006

<211> 825

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(825)

<223> n = A,T,C or G

<400> 4006

attccatcag	ctcttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgagggga	60
attcgaccaa	catggagaaa	cccgtctct	actgaaaata	caaaatagcc	gggcgtgggtg	120
gcatagacta	ccacactcgg	cagcatatct	taaaatgcag	ttatttctga	aagtttttgg	180
ttttacacaa	tttttttttt	aggtaataag	atgtattgta	aggattatgc	ttacgtatgg	240
tacagagtat	acttcacatt	gttcctgtct	tttttgtggg	ggagggaatg	accgaaagca	300
ttgggaatgt	taagggcaaa	tgagtataaaa	gaaaactaaa	aaacgattac	ttcttcaaat	360
aatgaggaaa	gcgtttttta	aatttttgtc	tgttttttaa	aagcaagttt	catgttagat	420
ttcttaccac	actcaattat	ttcctaatat	aaaatagata	taaaatttgt	gatttgttac	480

tttttatgta	agcatatata	gtccagtcta	aaatgaccaa	cttccaaatg	tgttccagaa	540
aagaatcatg	acattttata	gctgaaaagg	acctaataat	ccagtccttt	taatataaca	600
tatggtaact	gactccttgg	gagtataaaa	ttaattat	aagaaccagg	taagatagta	660
gccagagcct	agaaccaatn	actcagatgc	cccttatcca	ttctaata	ccacagcatt	720
ttctagaaac	ctcacttaan	gcanttaatg	tggatagggt	tttacctcna	aaatagtcaa	780
ncccccaaat	gtagccaaat	acctaaggng	gccttttttg	nttcn		825

<210> 4007
 <211> 787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (787)
 <223> n = A,T,C or G

<400> 4007						
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ggatcccatc	gattcgaatt	cggcacgagg	gcagctgggtg	agtggctctc	tgcgcacagt	120
gttcgggact	accccgctcc	ccatggcctg	cccagcgctg	agtgagagcc	agcccaagtt	180
cggccacttc	ctcgagttca	tggatgagtt	ctgccaggag	cccacagcca	gtgactcaca	240
aggctagagc	tgtgcatggg	ggctgtgtgc	accacccggc	ctgtgcccc	nctctccccg	300
agggctctgt	gccctggacc	gcacctcaag	gttgaccagc	cggccacagg	cctcagagct	360
cagctggggc	ccacttgctg	gccacaaggt	ggcatccctt	tgtcaggatc	tcccctcctt	420
ggcccaggca	tgacctgggtg	cctggcccag	cggcaataaa	gagtgggtgc	acagggcaat	480
agactgggtg	ccacatgcat	tctttcttgg	aacccancca	cagcaacatt	gtcacacttc	540
cctctaaaaa	tggtttttcca	gntcagatgc	aacagggata	catttgttct	ctgttgtatg	600
agaaactgac	accaagggga	tcttaacaaa	ttcctgaaca	atggcttcaa	aaaaggatat	660
ttttaaaaac	cagatcttgt	gagtacaagc	cctaattgtgc	anggacaggg	tcatcctgta	720
tattcgttct	ttactcaaac	tctttcttgg	ttccttcatt	angaagcatg	aatggttgaa	780
tgtgaac						787

<210> 4008
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (464)
 <223> n = A,T,C or G

<400> 4008						
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acgagagcaa	agaatgccca	gagatgacac	tagtgatttc	ttgaaaaact	cattattgga	120
atctgatagt	ggctttttatt	ggggcttacg	gtgagacata	tcctgccatt	gaagatgacg	180
tcctccctcc	accatcacag	ttgccctctg	cacgggagcg	caggangaac	aaatggaaag	240
gactagacat	tgatagcagt	cgtnctaagt	tagcaccaga	tggtctctct	ctaaaaatcta	300
tatccagtgt	aaatgttgat	gagcttagag	tgagaaaatg	aggaacgaat	gcgaagactg	360
aatgaatntc	acaataaacc	tattaataca	gatgatgaga	gttcactggg	tgaccctgat	420
gacatcatga	aacacatagg	ggatgacgga	tcaaacctcg	tagc		464

<210> 4009
 <211> 766
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(766)

<223> n = A,T,C or G

<400> 4009

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gcacgagatg	cctagtgggc	tctgagtgtg	ggattcttga	acctgctgat	ttgcatttca	120
cctgtagttc	tacagtaaaa	aatgatttta	tataactttt	ggtatataag	tctcaaaaag	180
tgtgagtcag	aagagatgaa	acattatatt	taaaatttca	tatcaaagct	tctaatacaa	240
cgttgctaga	gccatggctt	ggaaataaat	caggaaaaaa	ccctcaaata	cagaatcagt	300
tgtgttaatg	cactagaact	tgccctctgc	tttaaagcca	taattaatca	tttaaatgct	360
ggataaaaac	catgtgtttt	gtcttttaga	aaggtgttga	gtggacttca	aggtttagat	420
ctgtgctgtc	ccatacagca	gccactagtc	actagcgggc	ctggctattg	agcacgtaat	480
atgtggctat	tgagatgtgc	tctaattatc	aaatacacac	caggattcaa	agacctanta	540
caaaaaaaga	atataaaaata	tctcaaaaat	attattgtat	tgattacatt	ttaaatgata	600
atggttggga	catattgggt	taataaaaaca	catctctnaa	taaacttttt	aaaaaaaact	660
tttcaaaatg	catctatgaa	aacatttgaa	antatatatt	atggcttctg	cttacgactt	720
ggatcatggt	tatgttgggc	cacatagttt	aaatcnttta	tatctn		766

<210> 4010

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(784)

<223> n = A,T,C or G

<400> 4010

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cccacgcatt	cgaattcggc	acgagaagac	acttcctctc	cggaaagcca	gtcatattca	120
tcccagcgtc	tttcttggtg	tctgtgcatg	gataaagcct	ccccattccc	ccgtgcccc	180
caccactttg	tgctcctttca	ctttgcttca	cttatgtgcc	caccactcca	gggctccctg	240
aggctccagga	attccatgcc	attccctttc	acatggctga	gagccccagc	cctgtgggatg	300
agctgtcctg	agtgggcact	cagtaatgtg	ggcgtaactg	aaccaagctg	aagagggaag	360
gagcaaaaaa	caaccagaag	ccctcagatt	cagagtcatg	tcgttaaaca	ctttttaaaa	420
taaaaaatta	gctgtgcaaa	ctgaaatcaa	tttaaactat	tttctttgac	taggcaggaa	480
agaggaggct	gctacatatt	aagaactccc	acttaagcca	aaccttcacg	tttccaatct	540
ccaagcaggc	attgagggcc	tctgggctgc	gtgtgggaga	gccaggaaga	aagaagagta	600
ggccctgcct	ttaaggctct	tctgcctaa	agcaatctat	aggcagctgt	gttctaacaa	660
aaacttttat	ttataaaaaca	ngcagccagc	cagcctgcct	atgggcagta	gtttgccaac	720
ctgtgctgta	aattaaaaga	agcttaagag	atctgtcaga	tagtgataat	gtatgcacat	780
tatt						784

<210> 4011

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

<400> 4011

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tttnannmnt ttannncnnt ttgaaanctt tatacaagct acttggtctt tttgcaggat      60
cccatcgatt cgctcagcca ccgtctcctt acctgactcc tctgggaaag agtttcccta      120
ggttaagcca tacagggata gggtaggaga tgccatttgg atctaggagc agagggcaga      180
gcctcagcag gaagagtgtc tctttgagaa ggagacacag tggagcaggt gtgtaggttc      240
acagggccag ctatgggtag agtcgggtgt acatttttag aagccacaat tcccaaaaat      300
ctcctgacta taacatcagt gcacagagcc agtcaaattg aggaggagtg ggtccaggca      360
attcaggaag aaggaaagta acaaattgagt gggtgcagga ggacactttt tctgtcgagg      420
tactaaaca aaacattgtc tcctcccctt aacttcagaa acaatggagg gtaaaagtgt      480
cgctggggcc ctggggggcaa agacggtaga taacttctct gtcgtgttct ccagaagggc      540
ccaacaatta caaggttcta cggttctaaa ttccaatcta gtcttcaca tcattttgaa      600
ggtataatat tacttgtcaa agtgggatga tagaagatat gtgtggacat aaattgttgt      660
caagggaaaa aacttaaata agaaaataag agaaaaaatn tntgtatgta cagtggttac      720
tagaaatatg ccttttaaat atttggcatg tggattgtgg cctcatcttc actcagtngn      780
a                                                                                   781

```

<210> 4012

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(785)

<223> n = A,T,C or G

<400> 4012

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cccatcgatt cgaattcggc acgagattca aagtacattt gacaaccac tgcaagttgt      120
ggcatacatg ggtgccatga accatgacac caactacagc tttcaggttc aatgtggctt      180
aattgtgggt ggcctacaaa gatggatcac ctgcccaccc acatttcatg gatgcagagc      240
tctgttccca gtactggacc aagtggcttc ttcgactaga agaataacg gaaaagaaaa      300
agaaccagaa tattcagaaa ccagaatatt cagaataggg agcaagttgc tatttgggaa      360
cattcagcac cttctcacag tttgggaaca tatattgctg tttactccag tgtaaaaatg      420
aggtgccact ggatctgagt gctacacgaa cacaagtaga agtattaatt tgttgaaaatg      480
tgttgttacc aaaaagactg aaaagcccca aagtctagat ataaagacct agacttcggc      540
acgcgaaatc ccactatgct acctcttatt tacctgaaag gaggacacgc aggatgggca      600
gtcatgctgg tgactcttgt actcccttga gggacattgg tggggggggg gcgtggtccc      660
angcaggatg ccantcttt gactganatt ggaangcant gangnttgag ggtgccaaaa      720
atncccang gttcaccacg anggggangg gctacatgcc ccanctgtgt gcangggagg      780
acacn                                                                                   785

```

<210> 4013

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(782)

<223> n = A,T,C or G

<400> 4013

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acctttaaac ancttntgaa ntncctgcac gatcccatcg attctanttc nntncgcagg      60

```

```

cagccnccan cncganttnng gcacnagctc nanagctgct gcttttcccn tgcnganaa 120
cnttnanttt agtcctggat tctgtcacan aacatntnan ctgccnttnt ccctnnggag 180
aattganntg gnaacctact tnagnngcat gaaaaaacct agacntctcn gaannganaa 240
ccaatnngcc cttattgaga ntactgatng atngtannac canagggaca cccgngnatc 300
aatacatacn ggctgntctt gcctntttca aggggtggtcc aaacgnccat nctanggnctc 360
ggatcantat gggntngccc aagcgatcag aacnngagcc atttgcttag ctgcgggaat 420
gaacangnt cttgganacn ggcactata tacacccct ttcntttnc cccttgatng 480
gaagcttctc tganatgaca ctctcaaaga tgngttctgn agtgacttat tgccaaagca 540
ccactnncc tngttgagtt taaganganc acatttgggc taaggggacct ntgntngat 600
gtaaagtgat ctctngngg tctacatttt tcntaaataa tnccttatga tccaccatga 660
gtntgaatac tttgcttggg acatangctg ccnatcattg cctggaagct gccacaagta 720
cngnagtecc tggggcaaat agcttcaaat tttttgnact ctcaagccca tgtcacatan 780
tt 782

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<210> 4014

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (794)

<223> n = A,T,C or G

<400> 4014

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gcaggatccc atcgattcga attcggcacg agcagagatc tgcaaattac agcccacatg 120
ccagctgctt gtttttgtaa ataattgttt accggaatcc accactccca cttgtttaca 180
tatcatccct ggctgctttt atgtacant gaagtgggag gggttgagta gttgaaacaa 240
agaccttatt gcttgcaaag tctgaaataa acacactcac acacactgat ttatgtatag 300
aatatgtata caaatatata ttttatattat ctattttttt gagattgagt ctcgcttggt 360
gctctgncgc ccaagttgga gtgcggagggc aagatcttgg ctactgcaa cctctgcctc 420
ccaggttcaa gtgattctct tgtctcaacc tccaagtag ctgggattac aggcatatgc 480
cgccatgccc agctaanttt tgnattttta gtagagatga ggttttgcca tgttgccag 540
gctgggtctca aactcctgac ttttagtgat ccgctgcct ctgcattcca aagtgatggg 600
attatangcg tgagccactg tgcccggcct acaaatatat nttttacagc acatntcaat 660
tctattaac tgcattttca aatgttcagn aggcacccac tgggctttgt atcgggntgt 720
actgggcccc cacaatcta aaatngctgn atccttgna cctcctacct cctggtacct 780
tatnagaata agcn 794

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<210> 4015

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (786)

<223> n = A,T,C or G

<400> 4015

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tttgaaanct ttatacagct acttgctttt tgaagacctt ncanacaagc tacttgttct 60
ttttgcagga tcccatcgat tcgaattcgg cagcagagaa gatgaccgag agactcttgt 120
cagccaatgc agggacacac tctgtgttac caagaactgg ctgtctgcag atactaaaga 180
agagcgggat ctctggatgc aaaaactcaa tcaagttctt gttgatattc gcctctggca 240
acctgatgct tgctacaaac ctattggaag gccttaaacc gggaaatttc catgctatct 300

```

```

agaggttttt gatgtcatct taagaaacac acttaagagc atcagattta ctgattgcat      360
tttatgcttt aagtacgaaa gggtttgtgc caatattcac tacntattat gcagtattta      420
tatcttttgt atgtaaaaact ttaactgatt tctgtcattc atcaatgagt agaagtaaata      480
acattatagn tgatttttgc aaatcttaat ttaaaagcct ctttttcccta gaaatctaata      540
tattcagtta ttcattgacaa ttttttttta aaagtaagaa attctgagtt gtcttcttgg      600
agctgtaggt cttgaagcag caacgtcttt caggggttgg agacagaacc cattctccaa      660
tctcagtagt tttttcgaaa ggctgtgata atttattgat ccgtgatatg acttgggtact      720
agggtactga aaaaaatgtc taagcctttc agaaacattt ttagtaatga ggatgagaac      780
tttttc

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<210> 4016

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (783)

<223> n = A,T,C or G

<400> 4016

```

ttttgaaccn ttanacancc tcttgnnttg aaaacctaga nacaagctac ttgttctttt      60
tgcagggatc ccatcgattc gaattcggca cgagaggacc tccagttaaa tttgaatttc      120
agatgcctat gaatagtttt cagtataagt atgtcccatg caatacttgg gatacgattg      180
tgctgaagtg gttttcattg tttgtctgaa cttcaaattt aactggacat cctgtatttt      240
tatttgctgt cttgcaactt ggttctgaga gagagaccog agttcttccc attcacactg      300
tgtgttgggc agggcatttg ggccacttga tgttggctag gtaggttctc atcttgagaa      360
accaaatttc tgattcccag ctctgtgccg gtactgtgcc tttttccact caagatctta      420
aaactttgcc taggaagaga agggtcggga aatggtggga tggggacttg agtggttaatt      480
tctgagtcct cttcctgggg tggattgctt ctgtgccatg gtctttgttt cccgttgtag      540
gtgctgaccc catatgctgt ctcgactgca atgacaaaat atctaaatac aaatgtgata      600
accaagactg ctgatgagtt tgcaaaaagt cattgaatta tgtcacaatt ggaggtgaaa      660
cctgtggctg ccttgcccat gaaatcttgg cgggctttct gancctgatc ccngcctggg      720
ccttctacag cgggtgcctt caaaagctgn tcctgaccac tatgtggcat acctgaactc      780
ant

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<210> 4017

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (786)

<223> n = A,T,C or G

<400> 4017

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ttgaaccntn mnncttttg aatttgaaac cttnaaacag ctacttgttc tttttgcagg      60
atcccatcga ttcgaattcg gcacgagggt aacttctctg anagngttcc ttgtaaggct      120
cttatgaaca gtcgccatat atatatagtt gatgggcngg gaagatctgg gangtnagca      180
nnaagagcct ttagttccgc cncatagaac aaantagagg tcacaggttc natgcctga      240
gatatggaat tgaatatnta gacttcaggg tcatagactc ttggaaggaa nactagagta      300
cattcntgac cctcncctt aattncttna caggngngaa aaccangagc tncngaaaat      360
nngttattcc tcancctcag ggctacctnc gatctgtgtt tgctctgacg aatggaattt      420
atcctcacan attggtgttc tnnntgtctt accacctaat tanntnnctg ctacccaaaa      480
aaaaaaaaaa aaactcgagc ctttanaact atagnagctc ggattacnnc natccngnca      540

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tgatangatn cattgntgag nttggacaaa ccnnanctag aatgcancga aaaaaatgct	600
ntatttgcga aatntgggat gctnttgctt tatttgtaac cattataagc tgcaataaan	660
aagttanaca acaacaattg cnttcatttt atgtttcaag ttcaggggga ggngngggag	720
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ncttta	786

<210> 4018
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(759)
 <223> n = A,T,C or G

<400> 4018	
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aacaagagac aagtagctcc aggtgctcct tcagctccaa ggagagggcg tgggggtcat	180
cgggggtggca ggggaagatt tggatttcgg cgagatgggc caatgaaatt tgataaagac	240
tttgactttg aaagtgcmaa tgcacaattc aacaaggaag anattgacag agagtctcat	300
aataaactta aattaaaaga agataaactt gagaaacagg agaagcctgt aaatggtgaa	360
gataaaggag actcaggagt tgatacccaa aacagtgaag gaaatgccga tgaagaagat	420
ccacttgga ctaattgcta ttatgacaaa actaaatcct tctttgataa tatttcttgt	480
gatgacaata gagaacggag accaacctgg gctgaagaaa gaagattaaa tgctgaaaca	540
tttggaaatcc cacttcgtcc aaaccgtggc cgtgggggat acagangcag aggangtctt	600
ggtttccntg gtggcanaag gccttgggtg tggcaaangt ggtccttcct tgccctcgan	660
gatttccncg ntggattcaa aagaagtcgt gggggcccg agtttgcgga ttttgaatnt	720
aggaaagaca acanaagttg tgcntagtct acaaacaag	759

<210> 4019
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(757)
 <223> n = A,T,C or G

<400> 4019	
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ggacataaat tatttcattc acaccatctt nccttcccac acacacaccc tggagcaaac	120
actggcaccg cntctaaca ctcaaggctg tgtcccgagg atgactgctc cagctntctt	180
acgttctgac tganagcctg ccaagagaat caactgtttg atagggccca tctacangct	240
ttgtganaga gtnggggcct aattttgtta anctccannt tgtaaagcca nanagcctaa	300
tcgcgtngac anccnccctc ctgcttttca aanattatct gcttncctga atactgccta	360
tgccctccctn ctccctccctt attctcccta ctgcagnagt gantatggat gaaattatgt	420
ncttctgtga ttaactcagg tcancttggg ttgnntttgg caccgggnac aagtgtgtgt	480
gggtctgctt gnaccactat tcccgaantg ccactggtag cacanatcaa caaatccttt	540
nctctnagct catntgttga gaaattatca ggagccatgg gaagaaatta ctattttnat	600
catgntagaa atatatttca nngtgtnttg aagagtgtna ananttga aa ntgggaaaag	660
gatttnangc tgcacttggg angcaanatg atgaacctta ctatggcact nnggactnaa	720
agtangatga gcccantac tgacccccag gccngnt	757

<210> 4020
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (765)
 <223> n = A,T,C or G

<400> 4020
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 cggcacgaga ctggcattct gctgttctca ggagctccgc tttgatggat ggctgggcag 120
 cctgtgctgc atggaccacc agtggttgtt gaggtggtga antgtgtccc cgctaactcc 180
 actctgggca gtnaactgaa nagggagcaa agcccatgaa atgggccttt gtggcagtg 240
 tggaggtaga gtgaccacaca acaaacctcc ccacttgtn ctnnccattc agnngntcca 300
 gaggcagtga gcttggaaac ttaacangag agatcttggg gtgggggtgtg gactttccac 360
 aaaggcatta cctacatgca cgttccctta cacatgtagc cttccaatct catacnaaan 420
 ancacttatt taagtnaaat atgcctattt caacagcaag aactntggnn tggggagtaa 480
 agatntnttt anttnaatat ttagtattaa ctgagtaaac atttaaaaag gactggatgg 540
 ggggtgggcac atggggctgg ggtgcatttg ctntngctct acatttatga aagaccncaa 600
 atncattatg tgacattttt tnnaaacaag ggtatatata ctacancaga tacacaggng 660
 ctagaanaaa agtncatcat aaaacttcac actnggggtt gtattacaaa accacatagc 720
 ttcattngga nttatgatgt cnggaaaaat tattananct tgtnt 765

<210> 4021
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (790)
 <223> n = A,T,C or G

<400> 4021
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 ttgacaggat cccatcgatt cgaattttgc catcttttat caggctttct gtgtcgagga 120
 cgctaccac atagagtaga agctaaaggg aagggtgtg aagtgacctc accctcagct 180
 tctantcat ggtgtcaagg cttgtgtgat cttagacacn tctgcctctt ctgagcctgt 240
 ttcttcatct gtnaaacang gatgggaggt tgtggtnaan attccacagc aacactgcac 300
 acgcatnaan tacctnggcc agggatgact cggcngacct cattttccct ctgcctcctg 360
 cctanagctg ttagcaagca tccatcatgc ggntcacaca agagctcccc cnggagggtta 420
 cagaaatgaa ggcnagcagc ccagtncttg ggtagcctgt ttccccttga aggaaacaga 480
 ctcaatatca gcaacacaga gtgaatgacg ccagggtggc naacnggcct ttctgnagc 540
 aaatgcggga ggcttcatgg agatgacgtg ttatgaacan cactcatctt acgctgggag 600
 cagcacatgc ccccgccang gagccagtcc ctgtcttcaa atacagtcac actgnggggtt 660
 naacaatgtg taaatttggg ggcgatacaa acattcagtc cataacaccc ctataccnna 720
 acccttaggc aancactaat ntacatntta tctttacaga tgacctatc tggacatgtc 780
 atatnaatgg 790

<210> 4022
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(781)
 <223> n = A,T,C or G

<400> 4022
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 cccatcgatt cgaattcggc acgaggggtg gcggctgtaa tttgagctat tcgggagggt 120
 gaggcaggag aatcacttga acccaggaga cgaagggtgc agtgaccgga gatcgtagca 180
 ctgcactcca tcctgagtga cagagcgaaa ctccatcttg ggggaggaaa aaaaagaaag 240
 taatagggag gcaaatacaga atttgtgtgg gagtaccccc tagttctggc tcttgtagt 300
 atactcaacc tgtcaggcta ttctgagagc gaaagctcct gctttgggct agtttccatt 360
 cagaatgggt tttgataggt atgaactagt ctaagcacia gtatacttct gtgtaagtag 420
 catagctcct ctacttggct tcatagcatt ggacattaat agagaaaatg aaaaaggagg 480
 gtatggtagc tgccttgaat agcatttgat ttttaatcct acatttatca gagccccagt 540
 ttttaaaaatg ttttaatagcc agatgtgctg tttgccaggc ttanaagttg gtacttctgt 600
 gaatgaaaan gtgtgactga gtcacataaa ctgggtattca gctagcccag tcatcagttt 660
 attccatatt caagggaaaa ccaaggctgn ttttctctct tatactttga agatgatggc 720
 atttaaaatc aagtaattgg ggctgggtgt ggtggnccac atgtgaaatc ctaatgcttt 780
 g 781

<210> 4023
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 4023
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 ccaccatgat tataagtttc ctgaggcctc ctgggacatg cggaattgtg actcaattaa 120
 acctgttttc ttataaaatt acccagtcct cagcagttct ttatagaagt gtgaaaacag 180
 actaatacaa tcctgaagca tttcatcaaa gaattgtaac aggagatgaa acatggcttc 240
 accagtatga tcctgaagaa aaagcacaat caaagcagtg gctatcaaga ggaggaagtc 300
 aaagcaaaagc agaccagtca agagcaaaag taatggcaac agttttttta ggatactcaa 360
 ggtatttttc ttgttgactt tgtggaggac caaagaatga taacattaat ttgcctattg 420
 agagtgtttt gggaaaagta gccaaagctt tagcagaaaa acacctgaga aagcttcacc 480
 agacagttct tctccaccgt gacaatgctt ttgctcatgt ctctcatcat caagaacaat 540
 tttgttagag tttcaatggg aaatctttag gcattccact gatctggctc cttctgactt 600
 ctttttgggt cttaatctta agaaatctgt caangggccc ccagttttct ttaagttaat 660
 aatgtaaaaa nggctgnatt ggatgtgggn taaagtcttc cangaacctt aagttctttt 720
 angnggtcc tnaaanggct ggggggcatt tttttaccna aaggggncnt tggaaattg 779

<210> 4024
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(774)
 <223> n = A,T,C or G

<400> 4024

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attcggcacg	agcccagccc	tagatactgg	cactactgag	gaggatcggt	taaaaattga	120
tgtaattgac	tggttggtat	ttgacccagc	gcagagggca	gaagcactga	aacaaggcaa	180
tgcaattatg	agaaaattct	tggcatacaa	aaagcacgaa	gctgcaaaaag	aagtatttgt	240
gaaaattcct	caggattcta	tagcagaaat	ctataatcag	tgcgaggaac	aaggaaatgga	300
aagtccactt	cctgctgaag	atgataatgc	tatccgagaa	catttggtgca	tcagagctta	360
tttggaagcc	catgaaacct	ttaatgagtg	gtttaagcat	atgaattcag	ttccacaaaa	420
acctgctttg	atacctcaac	caacttttac	tganaaagtg	gctcatgaac	acaaagaaaa	480
gaaatatgaa	atggattttg	gtatttgga	agggcatttg	gatgccctaa	ctgctgatgt	540
gaaggagaaa	atgtataacg	tcttggtgtt	tggtgatgga	gggtggatgg	tggatgttag	600
agaggatgcc	aaagaagacc	atgaaagacc	catcaaattg	gtcttactga	gaaagctttt	660
gtctgccaat	gttggtgttc	ctgcttcac	gatattgcac	agtacttgtc	aantttcaag	720
gaatgccctt	canttagcag	aatatnggna	ttcctttgag	cgcccacaaa	cttg	774

<210> 4025

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (734)

<223> n = A,T,C or G

<400> 4025

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catcacactg	ttgtatactt	cgtagctatt	acttcttta	tcccccaagga	cttggttaac	120
aaagtgttct	tcagtttcta	cttcctagtt	cctttgtgga	actggtaaaa	atttaaaata	180
tcttaacata	atattttatt	tcaaatagata	aacagtaagg	taaaatgtgg	tttttcttgg	240
acaacttatg	gtagaatgat	gtctagaata	tttagttatg	tcatttaata	ctttttttct	300
ttacaattta	aaaaaaaatt	tatttttatt	tagattcagg	gggtacacgt	gcaggtttgt	360
tacatggcta	gattatgtaa	tgccgaggtt	tggcctgcta	gcgcagccat	catccaaagt	420
gaccctagta	cccaataggt	agttttcaac	ctgtgtgcct	cctctctctac	cttctctttt	480
ggaatctcta	gtctattact	tccatcttta	tggtcacatg	tactcattgg	ttagctncca	540
cttacaaatg	agaccatgtg	gtatttgatt	tctgggtctg	agttacttct	tttaggatag	600
aggatgaaaa	agagtgtacc	tccacttcat	ccatgtgctg	cnaagacatg	attcattctt	660
ttatgggtga	tattttacct	ttttgcnagg	ggaanagatta	aattggccan	ntatgaaaaa	720
tgctgnatcc	ctat					734

<210> 4026

<211> 837

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (837)

<223> n = A,T,C or G

<400> 4026

aagtttaa	ac	ctgctctngt	ctttgcggat	ccctcgattc	gaattcggca	cgaggggggtt	60
gggggtggga	ccctgggatg	gggggagaag	cagctgtttc	tgagagaga	aggggtcatg		120
gtggcccccag	actgtagaga	tttttatgtg	tttgataca	tctgctgtgt	ggaaaaaaaa		180
aaactacaaa	aaccttaatt	ttgtacatac	tgtattttta	ctattgaact	gtattctagt		240
ggctgttcat	gctccaagac	tttagttacc	gagacatgaa	tactatccat	gtaataagca		300

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cttgctgga ataaaatata aaactgaaat aaacctgcac tgaaacctga aaaaaaaaaa 360
acaaaaannn anaanncnta aaananccca aaaanaanta aaaaaaaaaa ccnnggcct 420
ttaaannttt nggngccgt ttancttaan cccnnnttn ntannacctt nnttnatttg 480
ggnaaccen cantttaatt nccgnaaaa aatgnnttn ttggnnaant tgggaancct 540
ttngctttnt tngaaccntt ttaagntgc nataananag ttaccnncna nnttgncttn 600
nnttttaagg tttcaagggt ncaagggga aaggttttg naagggtttt tttaaattnn 660
cnggggcccc cnggggncc ccaattnnn ttttgggcc cggggnccc ccaagntttt 720
tnnnntcccc cttttnangn naaaggggt ttnaatttg ncccccntt tgggcnnnna 780
aaannnngng gggnnnnntn aancntnnt nnnccctng nnnnnnaaaa aaattnc 837

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<210> 4027

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(787)

<223> n = A,T,C or G

<400> 4027

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ggnnnnnnnn gnntntaata nncagctact ngttcttttt gcaggatccc tcgattcgct 60
gccatgtcta gtgggctctt ctgggctccg tcctgagttt gtcacacctc ctagggccca 120
gaggagatga tgtggtattt ctatcactaa aaggagtcca agaccagctt gagtaacatg 180
gtgaaacctt gtctccacta aaaatacaaa atttagccag gcatgatggc gcatgcctgt 240
aatcccagct actcgggagg ccgaggcagg agaatcattt caaccagga ggtggagggt 300
gcagtgacct gagatcgccg tactgcactc cggcctgcgt gacagagcaa gactccgtct 360
caaaaaaaaa aaacaaaac aggaaaagtc ttagagaaac cttgtgttta ttcagaataa 420
aatgaaatag ttaaaatggt ttagtgcctt ttattttcaa attacatagt cagtatcttc 480
tctcactctg attcttggtt gtatctttac ccaaaatagg agtacacctt tgtcatttaa 540
ttaattgttt gatataatct tncaaaatat ggtatctggc anaggggggt gngagagagg 600
aagaatagca caaggctttt gtttgggtgc ctgcttgctg gttggatttt gagatccaaa 660
tcaactatth ttggatgaaa tcgtagctaa ttttctctgn aacctntttt ttttttnggt 720
ctctgngccc attggnctgt tgggatcagg aaaatgccct atanttttng gctatttttg 780
catttaa 787

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<210> 4028

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 4028

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ggttttctcc tgttacatca tgetgaatcc tttcccttag ccattagctt ttatgatgtg 120
gtcttcgtag gaaagccacc ctggtgcaa gcctagcttg tggggagggg tatgtgttcc 180
agaaactgct ctttgtgttc ctttcaatga ggaacaaca tgtgtctact tatgtggcat 240
ccaactgctt ggagctccac acttccctt cgcgactcag gctctggtgc tgttgccaat 300
ccttgcttgg caaagactgt tcgatcatgt ggggtcctta ttacaaggg aaagctgggc 360
cagaaggcta gcaattcang tggtaccgct attgctgtgc cttgtgttan gacattgtgt 420
gtgtgcatgg actgngcctc caaactcagt agttcctatc taaatatnaa gtatattaca 480
aacctggaag tacagaatct caaccttaca gtctttccct tantcctgtg gccttctaac 540

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canctgntaa	cgtgttgatt	ccttncaactt	ccccaaagtag	gcangcacan	attgtganc	600
ttaaaaagta	atctgggtcc	tntgactcat	tgaattcant	ttgcgcntct	ggctggaaca	660
nntgttggtta	cagnttttaa	gaaaattgct	ggntgcccna	taagggtggc	ctggtgctcn	720
gggcctgnng	ctn					733

<210> 4029
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (760)
 <223> n = A,T,C or G

<400> 4029						
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agaaggagaa	agcacatgaa	ggagcaagac	ccatgagagc	catcttcctg	gccgatggca	120
atgtcttcac	cactgggttc	agccgcatga	gcgagcggca	gctggctctc	tggaatccga	180
aaaatatgca	ggaaccaatt	gctcttcacg	agatggacac	tagcaatggg	gtgttgctgc	240
ctttctatga	ccctgacacc	agcatcattt	acttatgtgg	aaagggtgac	agcagtattc	300
gctattttga	gatcaoggat	gaatccccgt	acgtccacta	cctcaacaca	ttcagcagca	360
aggagcctca	gagaggggatg	ggttacatgc	ccaagagggg	acttgatgtt	aacaaatgtg	420
agattgccag	attcttcaaa	cttcacgaga	gaaagtgtga	acctattatt	atgactgttc	480
ccaggaagtc	tgaccttttc	caagatgacc	tgtatcctga	cacagcgggg	ccagaggccg	540
cgctggaggc	agaagantgg	ttcgaaggca	agaatgcaga	cccaatcctc	atctncttga	600
acacgggtac	attccangca	aaaacagggg	tctcaangtg	gtcaagaaga	acattcttgg	660
atagcaagcc	cactgcaacc	aagaagtgcg	anctgatcag	catncccaag	aaaaccacag	720
acacgggctg	tgancaaaaa	tgaacttgta	ccgaccatgn			760

<210> 4030
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (757)
 <223> n = A,T,C or G

<400> 4030						
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gaggctgtac	ggagagtgtc	ggaccgaggg	gagctgggag	cagggtactgc	ctccatcctg	120
agctgccgtc	ctttgaaggg	agaacctggg	gtaggggttcg	aggagcctgg	cgagaactgt	180
gcacctctc	gggaggagca	gccccctcct	gtgctgcttt	ccccctccct	tcaatatgct	240
ggggcggaga	ccctggcctc	caaagtgcaa	ttccggggacc	ccaaatccca	gcggacgcac	300
caggctcagg	tggcgttcca	ggtgtgtgtg	cgccctgggt	cctacacccc	gggacccctc	360
tccgtgccc	ttggagaacc	tccctgacct	cacttcagtc	cagccgaact	tgagtgggtc	420
actaaggaga	agggggccac	actcctctgt	gcctgctgtg	tacgggtgga	atgaggggtg	480
agacaccact	actacaagca	cagtcggggc	gcggggccat	ggactctgan	tggcgactgc	540
cttcacctca	ttcccgtgac	tcgtggcatg	cncangtgct	ggancttggc	agccgcncan	600
gaacatgtag	gcaggctctt	aaatgtaggt	ggcaagtggc	acaacttcca	tgtccgaggc	660
ccacaattcg	gctgatggaa	gagtcctnng	aacccaantt	cagccctggg	accctctttc	720
atgcntgatt	ngggaacatg	actcctttta	ctncccn			757

<210> 4031

<211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (776)
 <223> n = A,T,C or G

<400> 4031

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acagtcaatt	ccattaaaat	aagaagtggg	aaaaacaatg	ttgggcattg	aggtgtaa	180
tttgcccaga	tgtataccca	gtgtgaaata	tcttctaata	aaaatatatt	tggtctttat	240
ccctgcacat	gtagaggcat	aaaaattggg	aaacatgtcc	cgctgtgtag	aactttaaaa	300
aaaaggcatt	tttgaaagtg	ttgagtggca	ctgataactg	gtgaancnnn	nnnnnnnnnn	360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
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<210> 4032
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (774)
 <223> n = A,T,C or G

<400> 4032

ngtctaattc	tggtctctcg	tctttntgca	ggatcccacg	gattcgaatt	cggcaccgaga	60
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tgcatttccc	ttgggttgaa	tggnagggat	gcgggcagtt	ggtgactggg	tgaaccacct	180
gacttgagca	gggctacgac	tctctctgca	aacnaaaccg	agagacatga	acagtgtctga	240
nattttctcag	tggtttccca	tgtaggctgc	tttccaaggg	cancaagcat	ggcttnatca	300
ctcaccacgt	gcttctgatt	cagcactgtg	atgctcgggt	aanttttaat	gagggtntaa	360
atnttttctg	atgtacgagt	gtttatgcca	acaaagatgc	tgaattgtaa	acaccancaa	420
tctgagtacc	ttcttttgat	tnnnntctnc	atattgaata	atccctntat	ntttgtgcgt	480
annatgaaat	tgcattmgat	gtatnggttg	anagtagatt	ggtntacttt	tncaaggaca	540
ggcaacaatt	tcacgatnna	acttcttaaa	aattntntnn	aacaaatgtg	aaaatggatt	600
nttcttccaa	aaaaccnttt	tccnttttgg	cacataccca	ancaantgac	ccngaaattt	660
aaaagtaatt	tagnggacnn	ganttttagat	gattaagggc	nngtttaacn	tttggacagt	720
ttttgccctt	ttttaaaagg	ctcggantcc	ntntntagnn	aactcgtctc	ccnc	774

<210> 4033
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 4033

gnnnnnnnntt	tnaaancntt	gctacttgc	cttgcanttt	cccatcgatt	cgaattcggc	60
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gattctatcc	ttgagtaatc	tatttttata	aagggtattga	tgtaactatt	ttataaatga	180
aaaactacac	actaaaaacc	aaatatgtga	tctccagcat	cacagaaatg	aaataaggat	240
tttttttttaa	cttaggtaat	attgcttgaa	ctgtagtaat	tcaaatgtag	caattttcaaa	300
ggtagaattt	cccatgtatt	actatactgc	ttcacatcag	ctctattaat	aaaagtagaa	360
cagttgcaaa	ggaactttta	tgatctgttt	tgacaggaca	gacaatttaa	aaagtgttta	420
ataaagggtt	ttagaattca	ctataagcct	ttcatgtggc	tttagtttagc	cacatggaga	480
tccgttcttg	gacgaaagtt	ggaagtattc	tcaagaagta	aaaaatncca	aataatttat	540
aggggcacna	gtggtttgaa	gtactgggta	ggattanaag	ngggctcttg	cattgnccan	600
aaaccanact	actttgcaca	attatncttg	aattccta	catatccact	agcctactct	660
cttaaagtac	cccagaaacc	ttgctcttaa	catttaagac	aatgggaagg	tcttgctttc	720
taaaaatgcc	tttattttta	tacccttgc	caataaatgg	aatttnacn		769

<210> 4034

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (741)

<223> n = A,T,C or G

<400> 4034

cgcaattttt	annatnctct	tggtcttttt	gcaggatccc	atcgattcga	attcggcacg	60
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ccagaagtgc	tcatgcaaat	tgtgcaacac	aaatgtggcc	tccatgtcaa	gtcctttcac	180
gtgttctgac	agactcatgt	ctttccagat	ttctctgatc	ggcgcccccc	accccttga	240
cagttaccag	agctcataag	ccaaaggaaa	tagttcctgt	tgccatgagt	actgtgtctg	300
tggtgaggtt	tatgagctgc	tcttagggct	gggtttttgc	ctgagaaaac	aatcagattt	360
cgcttagatc	tgcaaganag	cagattagga	agggaaatata	tgcaaatatc	tatgttaatg	420
ccccaaacct	ataacttggc	ctcatggtgc	ttgtgtagca	nttctcttag	agaaaacttt	480
ttttgcattt	aatatatatt	tcatgnnttt	gaaaatctgt	gttcatgcaa	agaaacctgg	540
aaagcaaaag	catnagggtca	aatatgaact	tggtctnntat	tcatataatt	ggggtatata	600
atatcttttg	tgacatanaa	cngtnctttn	ataaccatct	ttgcttttnc	attggaaaaa	660
atncagcttt	cctgangagg	aatatntttt	cantgncnct	nttaaaccct	tngannngng	720
tngnngcggn	nanggggccc	n				741

<210> 4035

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 4035

gnnttnanat	acagctcttg	ttctttttgc	aggatcccat	cgattcgcag	gactcaagat	60
gacttttctaa	ggtgatttgg	ggatgcagtg	tatgcatttt	tttactcttt	ttgaaaaaaa	120

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tcttttcttc gcctttggag tgtaacattt ggatagtttt attcagccca taataggacc 180
aaaggggaagg ggataaaaaa aaattctttt aagtacctca gataaaaagg ttttgtgaag 240
aaaaggactc aaaatcctag gttataccaa gactttatgt tcattttgaa ttttctttat 300
tcatTTTTTT cctctctgtg tatagaataa tcaggagata ttggtgggca gaactgttgg 360
ttgataacag gaagcagagt atctgagaaa ggcctcatc ctgtttcctt ttggagctac 420
tgaggcctca catgccagcc atttttaggat ttgatgaagg ctagagaaga gttaaaactga 480
gccttcactt actcagcatc agtaggaagt agtggtggct acactaaaaa caccgttgtg 540
ccagtggagg tttgggggga aaatgacaag ctgcctgtga taaacaagca aactgtgaca 600
aactttttga tgtgtagggt ctgaagcttt tcaagtttac cgtcctcaaa agaattttta 660
tatatatata tatgccccac atgcccgaatn tngcattata tacctttnga tntacctgga 720
aaganaaaan gatgaaatgg ccngtaaaaa ttgganattt ccagggaacc cgatc 775

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<210> 4036
<211> 782
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (782)
<223> n = A,T,C or G

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<400> 4036
ngmnttttnaa tatacaggct cttgttcttt ttgcaggatc ccatcgattc gaattcggca 60
cgagcttttag gttcttgatt atgtcactgt aataaagcaa ccaatggacc tttcatctgt 120
aatcagtaaa attgatctac acaagtatct gactgtgaaa gactatttga gagatattga 180
tctaactctgt agtaatgcct tagaatacaa tccagataga gatcctggag atcgtcttat 240
taggcataga gcctgtgctt taagagatac tgccatgccc ataattaaag aagaacttga 300
tgaagacttt gagcagctct gtgaagaaat tcaggaatct agaaagaaaa gaggttgnag 360
ctcctccaaa tatgccccgt cttactacca tgtgatgcca aancaaaatt ccactcttgt 420
tggtgataaa agatcagacc cagagcagaa tgaaaagctn aagacaccga gtactcctgt 480
ggcttgcagc actcctgctn agttgaagag gaaaattcgc aaaaagtcaa actggtctta 540
ggcaccataa aaaagcgaag gaagatttcc angcaaagga tgatagccag aatgccatag 600
atcacaanaa ttgaaaagtg atccagagga aactnaagga cncaagtgtg gatcataatg 660
aggaccggga aacnccagga aagtcttcng gnggggaagaa aattgaaaaa cngccaaat 720
gccttttgaa agccaaactg ggaattgaga aataattcaa atncttggaa atttaggagn 780
aa 782

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```

<210> 4037
<211> 775
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (775)
<223> n = A,T,C or G

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<400> 4037
aanngtttga anaccnngct acttgttctt tttgcaggat cccatcgatt cgaattcggc 60
acgagggttc ataaacacat ggctaacaaa gtaaagcctt caagtctggc acagactctt 120
gactacacga tgggaaaagg gattccaatt acgatttaac ttgtatttta aagatgagaa 180
aagaaatgaa taagaaaatt tggtgctatt tttcttcttc caaattagaa tctatatctc 240
taaaaatact ttgcatgttt agtaaacatc catcttgaac agaagatacc ttgacatcag 300
ttctatttta tacttatggc aattaagaga tttagaaagc agaggaaaag accaaaaaaa 360
agtatgtgtt acaaagtgtc atcatgcttg taggacccca gcattcttga aactaacgca 420

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ccttttaaaaa	gtaatatatta	cactgctgta	aatatattgca	aagtatcaat	gtttaattca	480
cttagaatttt	taaggattat	ggattttacta	gcgaaaattc	ccctaaagca	actttcccat	540
atcagtaact	tttatattagg	gaaacaagtt	taatgtcata	atacatgtga	ccttggaatt	600
caatagaatt	ttcgaaacta	gaagtaactc	agaaccgttc	actagatgtg	ttttaaaggg	660
ctnttttgat	actggcctta	acatttgctt	atgtgcaa	taatatgtaa	agaatgggtt	720
ctaaaagtaa	gttttaagga	atgggtattt	cnncaaaaat	gttatttcct	attnc	775

<210> 4038

<211> 825

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (825)

<223> n = A,T,C or G

<400> 4038

ngnnnttttna	gatacagctc	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	60
gagcccaaac	ctaatttagg	agtaaatttt	ttgtagcaga	tagccagatt	tcagccaatc	120
acaggcttcc	agctaacaag	actatgccca	aataaggcaa	atgcctcatc	acatgatgct	180
caaatnaggc	agccacctag	gcnaggccaa	tcaggtaact	tttctacttt	gcttaattgt	240
tcagcctgta	caaatttgct	gcttatgact	gctgagcaga	gctgtctnaa	cctcttctgg	300
tttgagtgct	tgccttatat	atgaattggg	ctttgggtcac	ataaaattgg	ttaaatttaa	360
cttctctaaa	gttttgattt	aaattgtatg	taaaacattg	gtagcacaat	ttggattcag	420
atacccaaat	attgactatg	ataatgtaaa	taatccttaa	gcagactgat	ttacaaaaggc	480
ctgaacaagt	ttgatattct	gaatattcac	ttcttctgat	gaaaaaattg	ccaagacctt	540
ncaattggca	gggaaaaaaa	atgtgtgttg	gttaaataag	ttatgtttta	caaccaagaa	600
catttaccac	aanttaggaa	aactctttac	ctatggccca	nggcacctat	ttttaaacca	660
cacccttttg	gtaccctttt	ttttaaatcc	ctngaaaaaa	attttnttaa	attaaaatat	720
ggccttttta	aatatttaaa	ttggnanttt	taatanntta	angtgggnant	tttaaatatt	780
tggccccctg	gttttttggg	ggaaattaat	tgcncgcaat	ttaan		825

<210> 4039

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 4039

gnnnnnnnnn	ngnnnttttn	aatatacagg	ctacttgctc	tttctgcagg	atcccatcga	60
ttcgaggata	tgttgactta	gtngttcctt	gtgactggaa	tattctctgc	ccaaactttg	120
aaaggctagt	tagttacttc	tcatcattcg	ggcttaggtt	aagtgtttcc	tccttagagt	180
tcttccttga	tttatcttcc	ccccagtcta	aagtgccagt	cacattaatc	tgacatattt	240
ctccatacag	cactcatcac	tgattgatna	aaaatctatt	ttgccatntt	tctctctcac	300
tggaatatta	tgtgtcatn	aagaagctac	tcgtgtatan	tgntcctgat	cgtctgngct	360
gcataacaga	ttacctgtgt	catataaggt	gcacaataac	tatatgcgnt	gcgtgaatga	420
ncaaacgttc	tctccagttc	nttttcaaat	cttctattcc	atcacgactg	aaccaaaagg	480
aaatgtacta	gacgtttctg	ctggcagcct	tgttccatgc	ttagcctttc	antgattgcc	540
antatctttt	atgatgctgg	gccttngcct	tnaccatggc	tagaatgtta	gantnatgaa	600
cnaananatg	ccattttgat	ccctgctgct	ttcacctnan	tatggngcct	ggcaagcctt	660
taanaacntn	atnactcagt	gnaccaaatg	aatgagtaaa	cgaccttttn	natccttttna	720

aggaantnaa ttngcctgnt tataggnaat ngttggancc naattccaac ttnggccaat 780
tggaacccc 789

<210> 4040
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (752)
<223> n = A,T,C or G

<400> 4040
gnnntttttt gatacagctc ttgttctttt tgcaggatcc ctcgattcga attcggcacg 60
aggcagtctc ctgagccaga gtgtgctcag acagagtcca gctggtggaa agggacttat 120
ggagagaaaa agaaaagcga ttagaaaaa ttgaaaagag gtacagaaac agctggattg 180
gttacagctc ggtgtttgcc ttattttgaa cagggtttga acagttggcc acctttggtt 240
gctcaaaact tgggtgattgg cacaagagta ggttacagtc tgtttgcaca tccatttagg 300
ttgcagttca ctgtgtacag agaaaccttt aggctgaact taaaacgtgt aaggagacag 360
ctttctgctt gatttaacag taacacgggt gtgtgttggg aggtagggag gtgggggctc 420
tttcttntnt nannntgnet ttttncacaa canttntgan gantnagctt gtnatgnatt 480
tngcgaactg nttntttntg tnattntaan cnnngancnn cnnnnnactn atttttnaat 540
ttnaaaaaan tncatnnnnc nngcnnancc ttncctttnnn tncctgncnaa tnnnnngnng 600
nnctnnnnac nnannatnng nntnntgnnc tgnntnngnt ttntttttnnn aananntnnt 660
ntnngggnnnn nnnnnnnnnnt nctnttttnna annnnnnnnn nngnnttnnc nnggnnnnna 720
annnnnnnnn nntnntnnnn nt 752

<210> 4041
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (764)
<223> n = A,T,C or G

<400> 4041
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tcagcccagc tcacggccct ggctgcccac cagcaggccg caggggaagga ggagaagagc 120
aatggcagag agcaagattt gccgctggca gaggcagtag ggcccaaac gccaccggtt 180
gtaatcaaat ctcagcttaa aactcaagag gatgaggaag aaattttctac tagcccaggt 240
gtttctgagt ttgtcagtga tgccttcgat gcctgtaacc taaatcagga agatctaagg 300
aaagaaatgg agcaactagt gcttgacaaa aagcaagagg agacagccgt actggaagag 360
gattctgcag attgggaaaa agaactgcag caggaaacttc aagaatatga agtggtgaca 420
gaatctgaaa aacgagatga aaactgggat aaggaaatag agaaaatgct tcaagaggaa 480
aattagctgt tcttgaaata gaagaataat ccttaacagt ctgcaaaactg acattaaatt 540
ctagatgttg acaattactg aatcagaagg catgaaagag tataatttta tgaaattcaa 600
aattattctt ttttcaagtt gaaacttgcc tcttctactt taaaaaagtn tntngaacca 660
gttacttcta ataactcagaa aggagatgtt ttatnggaca tttctttaat ataaagttag 720
agatgtcttc ttagcagtat ggctatcttt tgccacagaa cata 764

<210> 4042
<211> 757
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 4042

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cgagggtttta	tacattttat	gttcttttga	aaactggagc	cccagaaaga	atacaaagtg	120
agcttctgtt	cccacttctc	ccagaatagc	ctaggatggg	caaccatgta	aaattcaata	180
aaaatccaac	cttctaacta	actcgtggtg	ttggagagta	ttaagcattt	gaaaagtcca	240
ggtagaattt	tcataccttt	tgagctcttt	cctagctgct	ttgctgtgat	atatctgtca	300
ctccagatga	gggagtagtg	gtggaaaagg	aatgcattct	cagattcatt	gttggtagtt	360
caaaagaaaa	taagtaaacc	ttattcattc	tctgaagtac	tttccaccac	tactacaact	420
gatccaagaa	aacaatttcc	cattggatgg	tattattcag	agtgttatta	acaatcagtc	480
ctgaattttt	cagaatagta	ctaaagttgt	cttttttttt	aatgggttcc	tttcttcaag	540
gttatagtaa	agctttttta	taaccttcaa	agaatacaaa	gtggaatttg	taatttatng	600
gatatacatt	cctagtttac	aggtactatt	taaagctggc	aaatttanat	naagatgcct	660
tccttttaaa	ttgccccttt	aaatctatgg	catgtctcac	ttaagagttc	caatttcaga	720
atttcatggc	aacttgggaa	acggcntgan	ggaattt			757

<210> 4043

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(787)

<223> n = A,T,C or G

<400> 4043

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aagtagaatt	ttttttcatt	ccttacactt	ctcagtgagt	ggtaactgta	gttnttgcta	120
tcattttttca	ttttcgtttt	tgcagttgaa	catacttttt	tcactcagag	agttggaggg	180
acttgcccaa	nactgcccaa	tggcaatgag	atttcaacct	caaataaatg	ttctttttta	240
tgcaagatga	taaagagtng	gattcancct	aatttaggat	agaataaagc	caaatanntt	300
aggataggtt	ctttggtgtt	catgggtgta	atctaattgc	catgatgcaa	gtggcagagt	360
anagaattag	tgcacagcaa	taattaaagt	gacataattg	caaaggaagc	ggttntagcc	420
cattatataa	taccttttaa	aggacagacy	catactcagg	tttattttac	ctgctgagct	480
tctgccttag	aagtttttcag	aattgtgatt	acattgaata	ggaaaaaagt	ctgaactatc	540
agaaaccagt	gccgcaactt	tgacaaacaa	ctgattatta	taataatctg	cctctagcat	600
gagactatnt	taattattat	ttaagctctg	gnngacttca	ttaagcagcc	cagtnaccac	660
cngaaagggt	aaagattatt	aaaatggaaa	ggaatgggta	ccaattnggt	tattaattcc	720
gggaaccctt	aaggcangga	aaaatgggct	ttgaaacccc	aaaaaggtgg	gaaggctgca	780
antgaac						787

<210> 4044

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C-or G

<400> 4044

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acgaggggga aagttttcag ttgtattatn agntggattc tgactatttg ccataactgt      120
attctataca cttgctgaaa acattgaatt agggaatact gaatcatggc tcctaaggga      180
aagacagggg taggttcctg gaagcctctg gtcacaacat tttcaccaac tgatcaatag      240
ataaccttgg tntgtttatg tntgtgttta gagacattta atatatatng ttgacttact      300
aacatcgaa ctcattggccaa tagcactata acttacggct gaacaaagct tatcaagtct      360
tttctctata aggcatatcc caccttcttg cacttaggag cactagacgg catttctcag      420
cactatacaa ggggctatatt aaaacagaat aatcacccac aaaaagcaca acaattcana      480
aaaannaaaa gcnaaagtct tananaacan aacattgcat aananttnan aatcagnaaa      540
aanttngecc tttaaaccnt taggggncgn ttcccanngn ccnancntna tangatccat      600
tggttaanttt gggacaancc ncanttgaag gcnntgaaaa aaagctnntt tngggaaatt      660
tgnnatctnt ngnttaattt ggaacctttt naccnctttt aaccnnttnc cacntccntt      720
gnattnattn nntnttnang gttcangggg aaggttttgg naagtntt      768

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<210> 4045

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (794)

<223> n = A,T,C or G

<400> 4045

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ttgtcttttt gcaggatccc atcgattcga attcggcacg agaacatgag ggccctctat      60
gccagaagtg aattcatctc acaaaacatg ttgactctag actgggtgcct cctccagcta      120
ctactacccc cattagtcac ctagtataaa atgacgacat ttcatcacct gcacatgaac      180
cgctttcccc ccatttctta atcatgaatt nctgtgtctt aaattattaa tggctaagac      240
taggtctggc agtaaattnc tntctcctgg atttttggcc caactcgagt atttttgaaa      300
aaccgacaca gtatttttagg ggagcccaaa aaccatgatg ggaaaaagaa tgagctgggt      360
gtaaaggaag aggggtggcag agcccctctc cagcagtgtc cacagggact tcccagggc      420
accaggcacc atctggagac ggnntttggtc acactgggat tgcggggagt cacctagtgg      480
gtggaggggc cagggatgct gctgaacacc caaagtgcac aggatggctg cagtoganca      540
tgtcaganaa agggctctggc cccaaaagcc actcgcgccg gtggctgana caantttgga      600
gcaagggaac ccttttggtca aggncccan gttttttaag ctaaaacgta aancaggaac      660
cattcaagcc aagaaggagt tcccaggnac gttttttttn ttanggaatg gaccctttaa      720
gaaaaattga aaancatnnt taccatggg gttnaacccc catggaaatt tccggggcaa      780
attccaagtn cctn      794

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<210> 4046

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 4046

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ntgnntttta atactngctc tcgttctttn tgcaggatcc ctcgattcga attcggcacg      60
agactgtgga gagatctcag ttttctatc tgtaattgct catattttga atgctaagtt      120

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ttcatcaacc	ataatTTTTA	cgtgctctaa	tatgtttctt	cacagattca	tgccatgttc	180
agtttAAAAG	agtcctgttc	ttttaataca	ttatctttga	aatgcctctt	actgaggaat	240
gactaaactt	cttctgaaat	gtgctctctg	gattgaagtc	aagagtacat	gttgcaacaa	300
agataatcat	gacttttagt	attaagagac	aattaccaga	ttgagtgcga	cttanAAAAG	360
tttcctccc	tgtgcagaga	ttactggctt	atcaaacaac	ccgccccatg	tgggccatat	420
atnattgaga	taattantnt	ccaactgata	ctaaaaggng	taattgggat	aaattaattt	480
tagcaaaagag	tectgtntcc	aaagaaattg	ggcatgtat	ttggcaatta	ccaaaaagtc	540
agtngtcaaa	tatgaatgat	accgtgggtg	gcagtgaaca	atcaatttac	tnaagggagg	600
ctggccttta	ccttcgctct	tngagacanc	tctagcctgg	aatcatgcc	tgataggatg	660
tcttntctgn	ganggactga	aaataaagaa	tacctgaaat	ctggangatt	ttaagagggtg	720
gtgtgaatct	gttnaagaaa	ggtgaggaan				750

<210> 4047

<211> 824

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (824)

<223> n = A,T,C or G

<400> 4047

ccctttnaaa	tcccttgttg	tnnannagnt	nggaaactna	agcttcgtaa	aaganaggnt	60
tgggaatnng	gncgggggag	gaagcattca	catatnctag	aatantatga	cttggctatc	120
aacccttgc	cggtcgnagc	tccccatnng	ctgtagtcct	gtatgtgcga	tacccaacct	180
anagcacggc	gccatgcctg	gctaatttat	ntcataact	ttctacagag	atgggggtctc	240
actatgttgc	ccatnctggg	cttnaactcc	tgntttcaag	tgatctncng	cctgagcctn	300
ccaaagtgtc	gcgattatan	acttnaancn	atcgacttgg	ctcaaactct	ngttntaatt	360
ggncctttng	tcagaaagaa	tgtgccactc	tgaantttgt	tccnnatatt	gnnttcttna	420
atcacttnna	acctattnta	cannnatntt	natttntctc	tgaaantgct	gggattatnn	480
acatnaccaa	atagtgcctg	gctcaaatat	tcgnttcaat	agnnnctttt	atnncanaag	540
actntgccac	tnttgatttn	gnntcangng	tgtaagctt	agtancttgc	acttanctgg	600
aacctattat	ncnttttnaat	tttacttnna	tnncatcttn	ctaatecnaa	tntcnaatctn	660
naatnnanct	ttntaatnnc	atctacnnc	ngnttttnna	attttntctga	tnactggmct	720
anttttancc	ggnnnttnta	aataacgnnc	nnaccnanat	ntntangcat	nnactcttcc	780
cntgtanttt	tctncnaata	aatntnnccg	naanatacnn	nacc		824

<210> 4048

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 4048

ttctaagtct	tggttctaat	ncntgggctc	tnganctttc	tgcaggatcc	cntngatncc	60
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gtcaaccacc	actgggagct	ctgcagctt	ggcaagctca	ccagcacc	agtgcagat	180
cgaggaccac	atctectcaa	cgctctgaac	agttataaaa	gccgggttcc	ctgcggcaag	240
gagatcaaga	agaagaagtg	catcttccgc	ctgcgcaccc	gcgtccacc	caaccgcga	300
gggaagctgc	tgctgacaa	aggactgctg	ccaaatgaga	acagcgctc	ctctgagctg	360
cgtaagagag	gaaagagcaa	gcctgggttg	ttgcctcacg	aattccagca	gcagaaaagg	420

cgagtttata	gaagaaaaag	atcaaagttt	ttgctggaag	atgctattct	ccgagcttcg	480
caatgccgct	aaggacgaca	agaagaagaa	ggacgctgga	aagtcggnca	agaaagacaa	540
agacccagtg	aacaaatccg	ggggcaaggg	caaaaagaag	aagtgggtcaa	aggcaaaagt	600
cgggacaagc	tcaataactt	tagtcttggt	tgacaaaagc	taccctatga	taaactcttg	660
taaggaagtt	tccaactatt	aacttataac	cccaacttgt	ggtctcttga	agagactgga	720
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<210> 4049
 <211> 805
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (805)
 <223> n = A,T,C or G

<400> 4049						
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agttgctgnt	tttacgttnn	cacgcgtgat	cttgaccctg	ctagcctgaa	gtgtatgggt	180
tctcttagcc	agttctaatt	ttgttcagg	tggaagatgg	atgcctgaag	tgtagactgc	240
tgctagctga	ataccatntg	ggagcataaa	ggtgacctga	aggtagggng	atatgtctta	300
aagcactttg	taatgggaat	ttttatcacc	ttttaaattg	gggttccttc	tctagttagt	360
tttaatgtca	gtaggtacat	tcngtantgt	tgctctgtct	gtagctatta	aggngagtta	420
ataaatggga	tagcctccac	agcttatttt	tggaaggggt	ttgctgatac	ttcctgagaa	480
gcccanggaa	ataaatacgc	atagtctggc	attctgcac	ttctttaaga	tttgtttnta	540
tgtgtangta	attgagtttt	ttaaaagctt	gngaaatcng	cangcatatt	accaaagtcc	600
ttgattaaaa	tggtaatnnc	aanaaatntt	tnngctgtcna	attgagtaen	tttaatttca	660
nctcttaatg	atggncctnc	ggtgnangga	ttttgaaaaa	ttccgaatct	ttcaccatng	720
aacttaccct	aggaattcan	tttnganaat	tnnnatgggn	naantcttgn	nnggantacc	780
tgaaccataa	atttcccngg	tcnng				805

<210> 4050
 <211> 789
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 4050						
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ntgggaattc	ggcagcagta	ttagtgataa	gtatatatgg	acatcttttg	gaacaaagat	120
aactaacaaa	agacaagaat	tttcaagaag	gaaaacaaa	aaaaaaagg	aatcagggta	180
tgttacatag	nttanctgct	tatagttntt	ctttggttct	gctcatggaa	acacaatgac	240
tatcaatcta	agtaagacta	taatataatta	gaaggatggg	tgatgagaag	tgtgaagtgt	300
tgcaaaggta	aatccttata	ttccgctatg	aagtatcaat	aagcaatgcc	caaaaaaatg	360
aactattaag	aagtaactgt	aaagttatat	catttanaga	tagagtggag	tatagcaaat	420
gaatcagcta	aaatatnttn	aaaatgggta	ccctctgggg	agtgggaagat	acatgtatgt	480
attgnggggt	ggggatgcac	tgcaatgaga	tttctttttt	ttaatccttg	tggtactact	540
tagntctcta	aactatttgc	atctataact	ttgctaataa	taacntttta	atttncaaat	600
tgatcactct	tgtnatcagt	tcaaatngaa	acaaggagat	aacataattg	ctaagnttat	660
ttttggcata	ttnatcacnt	tgtatatgtn	tcantgagaa	taccatgtta	cattcctctc	720

aagcangtnc ttcttaaagt cnaaattgct gnattatttc tcaaaaacna ttntngnant 780
ncactttng 789

<210> 4051
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(785)
<223> n = A,T,C or G

<400> 4051
gcgtccccct tttgaaactc ttcaaataccc ttgggtttnaa nccctttncg caggatccca 60
tcgattcgaa ttcggcacga gatttgcctt aatcttgggt tactagtaat gctatctgcg 120
ctgtgcgtct aaagcctcca gaaagattgc tcaggcatgg cctaataget tttatcagtt 180
cactcagtgg ctcttacact ttgatacctg aaacctagag ttaactgtgt aggaccaagc 240
tcttctgaag gagtcaactg ctctcctctg tcaataatgg ctgtttatgc caaacagcc 300
aagagaacct cccaccccc ttccctctgt caaagtgaat tggaacctaa gaatggaagc 360
tagtggctat ttggccatac cccaaccaac ttgctattgc ttaattccat ctaattatca 420
gctgggctgc gtggctcatg cctgtaatcc catcactttg gtaggcccag gcaggaggat 480
cactagaggt caggagtgtg agaacagcct ggccaacatg gtgaaaccct gtctctaata 540
aagataaaaa aattagctgg gtatagtgat ggggtgcctat aatcccagct actgggaggg 600
tgangcagga gagttgcttg aacttgggag gcagcagttg cagtgcgtg agattgtgcc 660
cctgcactca aagtctgggc gacagantga gactctatct taaaaaaaaa aaaannaaaa 720
aaaactcgac cntagaact atagtggagt cgtattacgt agatccnact gataggatcc 780
attgg 785

<210> 4052
<211> 813
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(813)
<223> n = A,T,C or G

<400> 4052
agtctccctt ttaanccttt caaatccctt gggttcangcc tttacgcagg atcccatcga 60
ttcgaattcg gcacgagctt gagagaatag atctagatgg gtggggcacg gttctgggga 120
atggaagggc caaagaggaa agtgggcaat ggtgggggtg agaacgcagc ttctggactc 180
agcaggcctg ggttcaaact ctgttaatca ctctgttaa tcccagcgct ttgggaagcc 240
aaggagggag gatcacttga ggccaggagt tcaagaccag cctgggcaac ataatgagat 300
tccatctcta caaaaaataa aaacaattag ccaggtgtgg tgggtcacac ctgtagttcc 360
aggtacttgg aaggctgang caggagaatt gcttgagcct gngagtatgt agtcatgagt 420
gcagtggcac gatcatggct cacttgcagc cttgacttct naggcttagg tgaccccca 480
acctcatcct cccagggtggc tgaaactaca ggcacatgcc accatgccc agctgatttt 540
ttttagaga cagggttcca ccatgttgcc aagctagtct acaaaagcat ctganttttg 600
gaagtacatg gaatttgttg taacaaaant atnttgaatg gaaatggctc tcantgtatt 660
tntggaattt tccattaaat aatttggctt ttttccttga aaaaacatan nnctncttn 720
tnntntnnat acttnccct tnnttantat tatanaatnt cnttcnagcc ctttnncaan 780
ttntcntgga nttnttatt ncattttatc cct 813

<210> 4053

<211> 778
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(778)
 <223> n = A,T,C or G

<400> 4053
 tttgaaatcc ctgggtttcaa ntccttgccg aggatccctc gattcgaatt cggcacgagg 60
 cgtcccttcag atatacaaatt caagcctcta aataagacca aggagtatac agcctgtgaa 120
 ctgatgaaca tatacaagac tgacaatcac ctgaaacatt atttacaat cattgaaaac 180
 aaacccctgt atccagttat ctatgatagc aatgggtgctg tcctttcaat gcctcccatc 240
 atcaatgggg atcattccag aataacagta aataactagaa atatttttat tgaatgcacg 300
 ggaactgact ttactaaggc aaaaatagtt cttgatatta ttgtcaccat gttcagttaa 360
 tattgtgaga atcaatattac ggtcgaagct gctgaagtgg tttttcctaa tggaaaatca 420
 catacctttc cagaattagc ttaccgaaag gagatgggtga gagctgacct aattaacaaa 480
 aaagttggaa tcagagaaaac tccagaaaac cttgccaacac ttctgaccag gatgtattta 540
 aaatcagaag tcataaggtga tgggaatcag attgagattg aaatccctnc aaccagagct 600
 gacattatcc atgcatgtga tattgnagaa natgcagcta ttgcttatgg atntaacaac 660
 attcagatga ctcttcccgaa aaactttcac cattagctta atcaatttcc tcttaataag 720
 ctcactgaac ttnttcgaca tgaccatggg cannccggtg gcttcacttg aaccactt 778

<210> 4054
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(744)
 <223> n = A,T,C or G

<400> 4054
 agtctatatc agctctgttc tttttgcagg atccatcgat tcganttgng nacnangttn 60
 gtgcttnacc actgcttact canggcccg c nctttgcccg catttntgca natcnaccc 120
 ctancccgang agcctctggc agacttaana gcctgctgnc ctcaccagng nncnecatn 180
 gccggnctga gancnagtgn ngagtcacag nctcagncan aatgccnaac gcctcnanct 240
 gntcctgacn gntnccnagg ggacaccata tagccttagt catgnntcat atgcccggan 300
 gaatcttccc ccagangggg ctatcctagn cnacnagatt tgtgtcnaaa tntctgcttg 360
 ntgttngaac ctncanacna tatggnanng acacactatg gaagtctgga attncatgga 420
 nattnatga tatgaantaa ntgtgtangc tcctggcata gcaatgntgt nttacttcgg 480
 agntnaang annctggacg ttgcngacnt gntccntaat ncaangcacc ctnatggang 540
 atagcnggac atnctgggct tgnnnatnga tcctgntgaa gcaannctgc gntgtgatta 600
 ttaccctgng gctggngncc accagcactg gctaagtctn tacggctnna gtntctttgt 660
 cagnttattn aatggntatg taaactttna gaattaaant gggnnctntt gngnnngant 720
 annttaacct tacntntttc ctat 744

<210> 4055
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (1017)

<223> n = A,T,C or G

<400> 4055

gttncttcca	tcagctcttg	ttctttttgc	aggatccctc	gattecgttt	tttatagtga	60
tcacttttga	attgtgttca	gatatgcagt	ttcaggtgta	atcatcagag	ctggtttagtc	120
aggcattcca	gatagtgggt	cttttcagaa	cctttttaaa	agggttgggt	aactacctca	180
gtagcagagg	attgaactat	accctgtctg	tactgtacat	agaaaatcct	tgtagataaa	240
agcaaggctt	gntnaatatg	atatgagggt	aagatttttn	atanaccnan	tgtaacnttc	300
ttagngcctt	tagtttcaag	aggcttgcag	acttmtnat	naccantatn	acacgcctng	360
nnttntctnn	annnnnctnc	tgacacacac	naccntntnt	tntngtatt	tctgntnca	420
cannctnnnn	ctntctctt	accnncctn	ctnantnncc	nttncctccc	nnntccnccc	480
ccnccgacac	ttactnctnn	cctnccnct	nnccctcnnc	tnnnnnnnnn	nnntntnccc	540
ncnccnnnnn	ntcnnnnact	atctnnctcc	nnctanngtc	tnncttncnn	tcnantntnt	600
gcntcnncnn	ttctnnnttn	ttcnntcatn	tcncanccnn	ctgnnnccctn	nnccnnnnnn	660
tnncnnctnn	tnntnaccnn	ngnccctct	ctctnnnnng	ncntcnnnnt	cntnctcnct	720
cnennnnntn	ngctnnnnat	ncntntntat	ntctcnnnnn	ntnnccacnt	cnctntcan	780
cntctgttcc	nnctctcann	tcacnntac	tnccntntnn	cctnnnnccnn	ncgcnncnt	840
ctctctnnnn	ntccnccant	nnntcnnnnn	annccncttg	atctnccatn	nnntctctnt	900
ncncatgntn	ncntcccnnn	attctntatn	nngnnngntt	acctnctntc	nnnatcnntc	960
nnnttacnnt	catcnccccc	ctgntntccn	ntnccgnatn	tcnannccnn	tntcnccg	1017

<210> 4056

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (747)

<223> n = A,T,C or G

<400> 4056

tnnttanana	tacagctctt	ggttcttttt	gcaggatccc	atcgattcga	attcggcacg	60
agggcagaga	atcccttgta	gaaagggtgg	ggagaatcat	aggatattat	aactgtaagg	120
aacatgcaag	attttccaga	ttataccctt	gatagaatag	ataagttcct	taagggtcag	180
atcttgctta	aagtcgtcca	gcctgttaga	gacaagtaga	acacgaagct	ggcctctgga	240
gtctttattg	agtactttgt	acaattgggt	tagactggga	gagccctcct	cacttcccct	300
ttcttgtgct	gtaatttcct	gtggggcaga	acacctcaga	ggtttctgtg	catcaaaaata	360
agatgcagca	aagacatgga	aaaaggataa	cgagacanat	tccancanta	agtagatnag	420
gttgngtttt	ttataaaaga	taacgaggca	ttccttccag	aaatgtggag	cctttgtaga	480
tttcagtga	taaaacccaa	ccatgatttc	ctgcagtgat	cacagagcag	agangggaga	540
aagccctttt	atcacnaacc	ancaggaagt	ctctgtaaaa	tnggtaagga	ttctgggtta	600
ntgtgaagaa	ccccattttt	gngtatgttc	tgggccctgg	gaaggacaga	tcataattga	660
cntcanaata	aatgatcagg	ccagcatggg	ggttactctg	aatcctaccc	tttgggaagct	720
taagtggagg	attgcttanc	ccanant				747

<210> 4057

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (788)

<223> n = A,T,C or G

<400> 4057

ngtattcaca	agcgcctngtt	ctttttgcag	gatcccatcg	attcgtgaaa	atacttatct	60
atagaaacag	tgttgtaa	aagagagtct	cagattatca	aatgaaactt	atttaa	120
atgtaactga	actaataata	ccagctgcag	ttttatcctg	gctgtaagga	ctaccatgat	180
gggaaaaaat	aagaggaaac	cttaccctcc	cccacattcc	cacatgacca	gcagcataag	240
ggctccaggt	taccacagta	tccatcattt	gtcttatggc	cacccaagta	cacctgttta	300
catgacttac	tgggcctgtg	tagaaattgc	agtttgtgat	aggatcccag	tatagaatca	360
cagaaactga	cttttgaagg	gtaatgtaaa	ggctatttgt	atctaacact	tttttaaaaa	420
acagtatgct	tttgttttat	ttattggagt	atatttttga	agtcctgtc	ctctgtcact	480
gctcagagta	attatcatct	ggtttatatt	ttctagagtt	ttttgtgatn	ctataaatta	540
tgtcttttgt	tatgtaacac	atgtaatttt	tttacaacaa	atgnngntaa	tgtataacca	600
taatctacta	caactttgaa	ngggtttccc	cctgtggttg	ctactttgga	tctggccttg	660
gtngatattt	tatatnttat	antataggct	ctcgttngtt	aaattccatt	taaccaactt	720
ccntggaaan	ttcccattct	ttgaaatggn	cccattaant	tatttaaatt	antttccctc	780
ttgggagg						788

<210> 4058

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 4058

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gtgtgangcc	nttnaatccg	aanaagnn	cnaagantga	gaacgtgatt	gcntgaaatg	120
ttcatccaga	natcttggn	tataggagaa	cagggggaga	ctngattgat	taggttggn	180
atatttgtcc	tatggaccac	ggtaacgggg	nttagcnttc	atagtatgta	accaggantg	240
gnagnnggag	tcatagagta	tnggnnctct	tnatcccagg	agattcccaa	tggggncagt	300
atctactgnc	cttnnngaga	gaccatgctn	ngctgtctnt	tttanggnna	atcannaatt	360
tagtggtcgc	ccctncaatc	ttcattccac	tcacccntac	cctnttggca	ttcttaattg	420
natttgtggc	cctgtcctta	tcattttaca	agggtaaatt	ntcntccaga	tatangaacn	480
tgtttactaa	actttaagcn	cnttaantta	aacatcntta	cctaagaaca	ntcntggtnn	540
caannnggag	ttnacaaggg	gctagcgctn	taaaaccact	ctnctntttt	nccggaagat	600
tgccnntctg	ancttgtaag	ntnangattc	ntgtggacan	gaaganttgt	ggcatnacng	660
tttnacngnt	gggttactan	tgcacntgtc	aactngnngn	gaaatgtcnt	ggatacaang	720
tgtnatgggg	ntgaatttna	acgggacnca	anggtggngg	c		761

<210> 4059

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (804)

<223> n = A,T,C or G

<400> 4059

ggnnnnnttg	tctatagctg	gctctcgtct	ttctgcagga	tcccatcgat	tcgaattcgg	60
cacgagccat	cngtgnctng	cnangggcct	gccccatagg	atggcctcag	caaattttca	120
gtgaactcaa	gttcattgan	ttccaattng	tgaataaac	tagagggcct	ctctgaactg	180
ccngcctnat	gagaangact	gtgannagta	nccngnccaa	nacagactga	ctgtgacaaa	240

nctagananc	attacaggtt	tctgagaaag	aangaaggtt	caagttcaca	ttggtactgt	300
gaccacgnca	gctcattgcc	ctcctanacn	gggctctgca	agctttctnt	ttactggagg	360
ctgnactact	ctttnaagct	gnaacagtgt	gattataanc	ccnnantngg	ccccctttga	420
cancatcttt	acaataatgc	tcttggttcc	tcaaccngct	ggtgactctg	aaagctgatg	480
nngacgggnt	gccaaaaanc	atnatatann	cagcctncna	aangcngtga	tctctncatg	540
anctcatgna	nccttaaanc	cgtgcttgcc	cnttntttta	caccnttaac	aatnttgaca	600
tncacctnna	tgcctntngc	gaantcaaat	nccccgtangt	ccaggcttga	aaangaaaaca	660
cccgttntag	gttgggacct	ttccacaagn	tcctnatgcn	ggggnaanaa	caatgnnttc	720
attgnnnnga	naatncgtca	atcccatggg	nttttanttn	gtnccttttc	aaacgcgngc	780
cttttaana	tngttggnaa	cccc				804

<210> 4060

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (750)

<223> n = A,T,C or G

<400> 4060

ttnttcagct	cttgttcttt	ttgcaggatc	ccatcgattc	gaattcggca	cgagcccagc	60
cataatggag	cctgaaatca	ggaattcatg	tttcaagggt	acatgtacaa	atgtatgccc	120
tctcagaaca	atggccattt	tgagaaagcc	agtgaagagc	agccagacca	ggtcctctgg	180
cctagcaccc	accagtgcct	gccagctcag	cccaagtctc	ctcacctagg	atagcttgat	240
ggaataacaa	tgtattttta	ttttctgtag	acctaaaact	gctcttaaaa	agtctatttt	300
aaaaatccat	cattaaaaca	cagactttct	ccataataag	aagttggagg	ggctggggcac	360
ggtggctcgc	acctgtaatc	ccagtacttt	gggaggccga	ggcagatgga	tcacgaggtc	420
aggagctcga	gaccatcctg	gccaacatgg	tgaaaccccg	tctctactaa	aaatacaaaa	480
attagctggg	tatggtggcg	cacgcctata	gtcccagcta	tttgggaggc	tgaggcagga	540
gaattgcttg	agcctggaag	gtggaagttg	cantgagccg	agatcgtgcc	actgnacttt	600
tagcctggcg	acaaantgag	actccgtctn	aaaaaaaaaa	aaaaaaactc	gnccttttag	660
actatagnga	gtcgtattcg	tagatccagc	atgataggat	ccttgatgaa	tttggacaac	720
cacacttgat	gccgtgaaaa	aatgcttntt				750

<210> 4061

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (851)

<223> n = A,T,C or G

<400> 4061

anaannngtc	aatgctggct	actcgnetnt	ctgcaggatc	ccatgcgatt	cgcttgaacc	60
tgggaggcan	aggttgtggn	gaantcaaga	tcangccact	gcactccagn	ctgggtgacn	120
ngagcagnga	ctccatctca	agaaanaagt	nantaacnaa	tnnttcgngn	atgtgatgac	180
tgactntagt	cnttatggaa	aataacttcn	ggcagctnag	tantactggg	tcancaattc	240
cgntgtntaa	gagangtnct	acantcnant	nctcaatatt	ntcagnctga	tttcaatacn	300
gacacgcnac	cactgaaatg	cngaaagatg	gnaatcanag	tgtgatgttn	ntatnnaant	360
ctcgagattc	acatgtaatn	agacccttta	ncttnaatga	tcacnacatn	anaatggnga	420
catgatctta	acttggaac	atatggantn	tgtatttggn	aattntagnn	tcacanaent	480
atccctatga	ntgngacacn	catgnctgaa	atctaagctt	tanaatattn	nctntgtcag	540

tnaaacagca	tgnttncatg	cnnactgaan	ctaanntccc	aatnaantg	ntcatttttg	600
gatngnnngn	ancacattgt	naaccaattc	ggtgncaact	tntgnntanc	aaatnnnnna	660
ccatanctcn	nntggnacn	atggaagggg	tnnnatnnna	ncaanaance	ttnggnnccc	720
ntctangnnc	ctnttngtag	angncncaan	ttcccnctcn	tgnnccanga	catggnnncn	780
ggantacccc	ttcattaatt	ttggetnnta	tancctcaan	anttgaat	ccnnnnncna	840
naaattnnnc	t					851

<210> 4062
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 4062						
ngmnttncat	agctcttggt	cttttgcagg	atcccctcgat	tcgaattcgg	cacgagcttc	60
cttgataaat	actgatcatt	ctatttttagc	ggtaagaacc	caagaaggag	tatggataacc	120
tgtaaagctt	tctggtcctt	gggaagcctc	tccttctgtg	catattatta	ctgaaattct	180
tcaaaagatt	ctgagatgct	ctcagtgttt	cattgctact	ttaattttta	tcattatggg	240
attgattgct	gtcacagcta	ctgccgcggc	agctggagtt	gctttgcatt	tcacagtaca	300
aacagcagac	tatgtaaata	attggcagaa	aaattctact	ttgctgtgga	attcccaaac	360
taatattggac	cagaaactag	ctaatacaat	caattatctc	caacaaactg	taatgtggct	420
aggagattga	gtagtttagtc	tagaatatag	aatgcagtta	caatgtgatt	ggaataacttc	480
tgatttttgc	attactcctc	atctgtataa	tgaaagacag	catgagtggg	aaagaggttaa	540
gaaacatttg	aaaggtcata	ctggaaattt	acttttagata	ttatgcaact	gaaggacaaa	600
tattttcaatc	ttctctggca	catctgacac	taatgccagg	aactgaantg	cttgaaggcg	660
cttcaaatgg	attagcagct	attaacccat	taaaatggat	caagacnaaa	naaaaaaaaa	720
aaaactcgan	cctnttaaaa	ctatagnnag	tcgtattcgt	aa		762

<210> 4063
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(759)
 <223> n = A,T,C or G

<400> 4063						
gtttatncag	ctctgttctt	ttgcaggacc	ctcgattcga	attcggcacg	aggtcagagg	60
tcaacaatga	gtatgtggca	ataacaggat	tcaaaccag	atctgttagc	ttccaaagtc	120
cttggcttta	catgctaccc	actagttcct	tggagggggc	tccggaccat	ggaggtcaca	180
caccagtgtc	ccgagtgtgg	tcctcacagc	acctgcatca	acatgagggt	gggatttgat	240
taaaagtggg	tttctggggc	caccacacatt	ctgaatctaa	agttctgggt	gtgggttttag	300
gaacctgtgc	ttttaacaag	tacccttagt	gatttatata	cttactaaac	acttgagaat	360
cactgatctt	tccagtgtgg	tgtgacttat	agacagtgtt	ggacagaaat	gaaacaaagg	420
agaaagatga	agcacagaca	gaaagagctg	ggaggatgcc	ctgcatgttc	ttatatctgt	480
aaatacgcac	ctcttctcct	ttgtctcagc	ccttgctgtt	taaatctaga	cccttacatt	540
tttcaactat	ttggctccag	cctncccttg	cctgactcct	ggctttgtat	attacctctc	600
tttctgact	ttcactgcct	tttacaagtt	tgcattttct	gctcattttt	agaagatcct	660
actaagggcc	aaaggaaaat	acactgtaca	gaaaccta	attaagccct	ttagaactat	720
agtgagtcgg	tattacgtag	atccagacat	gataggatt			759

<210> 4064
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(761)
 <223> n = A,T,C or G

<400> 4064
 gntttnnnca gctcttgtct ttttgcagga tccctcgatt cgaattcggc acgagattct 60
 cccaaaaagg ttcattcccga gaacactgaa gaataatttt tgggaatgtt aatgatgtgc 120
 cacaaaatta gtattttatg atcaaatgaa tttgctttat aatattttat ctaaattatc 180
 atgctcctga agactcacia aataaaggaa actttatcca gctttttcca gaatttactt 240
 gcacatagac tccatttata tagcatgcct attgaactct gtaaatagtg cagttcagga 300
 aagatagcag tgtgggaaat gtcactctaa tggcatata cgtttatccc atgggagggt 360
 aaagcatata ggtgagagga gagtgatcgc cctggggaac tgtaatgaga aaggattgat 420
 ggctgtttca tctgttgttt tcctgtccct ggctgctggc atgggggcaa gggggagggt 480
 gaggtcagg tcttagagaa cagaacattg catttcactt cacagtcagc aaagagaaaag 540
 ccaggcaagc acccagaagt cagtgcacca gtggagtcac aaaagactat taattcttnc 600
 cacattgaat tgtgacacac aggaagctca ttacagactg agtgccttga gtttttattt 660
 ggggctagtc atgtaggctc ctttggtctc atgccccca attccagact tccagaaaga 720
 aagccagaat tcaaccttaa ctggcttggg tggctnaacc a 761

<210> 4065
 <211> 782
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(782)
 <223> n = A,T,C or G

<400> 4065
 ctcttgttct ttttgcagga tcccatcgat tcgaattcgg cagcagaata cacaatttac 60
 atgtcagagg atggttagagg aattgtcact tatgtctcag tctgacttag tgaagcagtg 120
 gggccgagaa agcaatcata tacgcatttg tctcacatga gcagaggaac agagggatga 180
 ctttaagttc tgtctgtttt ttgtccacaa ggaattttct tgtgggcaaa ttgtgaggtc 240
 tttgtagcta tcttatttta ggaataaaat gggaggcagg tttgcttgat gtagttccca 300
 gcttgacctc ccttttcctt agtgattttt ggttcccaag atttattttc ttttcacaga 360
 ataaattgtc tttcagacc agagagcatc acagtcacat tcagaaagggt gtccaaatgt 420
 aaatcacact ttcacataga attacagcta tattaacaaa ttttttcttc cattgncttc 480
 atttgtaata tataaaaaac ttaagctttt aaaaaactaa agttgaatta tggncctaaa 540
 aatgatggtc aatcttatct tcaactggcag gatatagacc atttgnctgg ataattttta 600
 gtaagttgct atacagtttt angccttcct agntattatt tgggtggggta nttctcttac 660
 tttccctggg nccagttttt accattggga accccccctt taatngncca cctntttttt 720
 cccccccan aaanccann cmttttaaag ggggggaaaat ggccccctnat taannccnng 780
 gg 782

<210> 4066
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(576)
 <223> n = A,T,C or G

<400> 4066
 gnntnanntt cantatanat acaagctact tgttcttttt gcaggatccc atcgattcga 60
 attcggcacg aggcgtggtg tagggttctt tgtttttggg gtttggcaga gatgtgttta 120
 agtgctgtgg ccagaagcgg ggggaggggg tttggtggaa attttttggt atgatgtctg 180
 tgtggaaagc ggctgtgcag acnttcaatt gttattaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaanaaaaa aaaaaaaaaa aaacntcggc ntttaaannt ttaggnngtc 300
 gtnttacnta antccngacn tnatannatc cnttgtnaat tttggncaan ccncacctna 360
 atgcatggaa aaaantgctt tatttgnnaa atttngnatn ctatncttta ttngnancct 420
 ttntaanctg caataancaa gttancaaca ncaattgcat tcatttnatg ttccagggtc 480
 aggggnaggt ntgggnaggtt ttttaattcg cggccgcggc nccaatgcnt tggncgccgn 540
 ncccantttt gttcccttta ntgagggtta attgcc 576

<210> 4067
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(771)
 <223> n = A,T,C or G

<400> 4067
 nngnnnnntt tttanancag ctctngttct ttttgcagga tcccatcgat tcgaattcgg 60
 cagcagactg aatgggctgt atctggggaa tcaagggtatt agggttgagc aaaagcaaga 120
 ggaagtagag catttgatct cttttccttt gattagggtg aggacaataa agtctcattc 180
 tctccctnt tcccatgggc agccttatat atgattgaag aacattantg cananattcc 240
 tcatccnnaa ataaactctn gtacttntat actaattaaa gattcatgtn aattactaan 300
 ttcttggaag actatggaga actctgtggg ggctgtgnatt cacactttan tatgaattgg 360
 nttaatgacn actgtnatat tggctacata aagaaatgga cgtttttatt tggggtagg 420
 ggatcacaga tgtggactgg cttaggtaga atgggtccctg agcnaaggag atattgaagn 480
 ttatgaggat gtgcaagata agcagattta cttttgcatt ttattttggg ctatctcagc 540
 ttcttttact agaagctcat gcctataatc ccagcacctt gngaggccaa ggcaggagga 600
 ttgctttgaa gccaggggtt cgagatcann ctgggcacaa anccagaccc tgactntcca 660
 aggangattc aaagatttct gatggngaaa acctcggcct ntaactatt ggggtcggtt 720
 acgnggatcc nganatgata anancatttt ngagtttggc caaacccac n 771

<210> 4068
 <211> 787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(787)
 <223> n = A,T,C or G

<400> 4068
 ggnnnnnngn nnnnnncngn ancancactc gnnagnaaag cccttcccan cgactcgaat 60
 tcggcacgag ccacctggt gctcctccct ctccctggta ccctgactac caggaagtnt 120
 tgtgctagag cagctggaga agtgcaggca gcctgtgctt ccacagatgg ggggtgctgct 180

gcaacaaggc	tttcaatgtg	cccatccttag	gtgggagaag	ctagatcctg	tgcagcagcc	240
tggttaagtc	tgaggaggtt	ccattgctct	tcctgctgct	gtcctttgct	tctcaacggt	300
ggctcgctct	acagtctaga	gcacatgcag	ctaacttgtg	cctctgctta	tgcagagggg	360
ttaaattaac	aaccataacc	ttcatttgaa	gttcaaaggt	gtattcagga	tcctcaaagc	420
attttaacct	tgccgcttaa	aacccaattt	accgtgaaat	gggaattttg	ctgcattgtt	480
aaactgtagt	ggaaccatg	ctatagtaat	aaaggttata	taagagagaa	attgaaatta	540
aatgtgtttt	taaatttcaa	aaaaaaatca	atccttagga	tgactnaaaa	attgatttgc	600
catgtaaaat	gtatctgcat	tttttacaca	aaacttgntt	taaagcataa	aaatttataa	660
ctgnnctctt	ggatgtatta	tacattttga	accatatgta	ttaaaccata	aacagtntaa	720
tggtgggtata	ataaaacagg	cattaatttn	ttaataaaaa	aaaaaaaaaa	actcggcctt	780
taaactt						787

<210> 4069

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(799)

<223> n = A,T,C or G

<400> 4069

ngnnntntna	tancagctct	ngtnttttat	gcaggatccc	atcgattcga	attcggcacg	60
aggtccatta	cacogccagc	agcaatgtct	tcctcggcca	tggcagtggg	tcacgggtgc	120
agcagtgcaa	tgtcttcctc	agccacgggt	gtgggtcatg	ggtgcagcag	tgcaagacct	180
tcctcagcca	tggcagtggg	tcacaggtgt	agcagtacaa	tgccttcctt	ggctatggcg	240
gtgggtcacg	gacgcagctg	aatcttgaac	acacctgagc	ctctgcctcc	acgtgacttg	300
gcggtagcaa	ggaatgaaca	cagttatctt	tttaaccaa	attttagatc	atgatctcgc	360
tgtactogtt	gacagtattc	aggtacttgt	tgaagaatta	atctctgctc	ttctctgaag	420
tctgatttaa	tcacccact	cagctgccag	tgaattggg	ggcatcccat	cgcattctcg	480
atgtggctgg	ctgtggctct	tctgaaaagt	ttctttcttc	tgccttgttt	ccatatttag	540
gggaaaatca	gcaagattct	agagtatgta	tgtgggctgg	gtgcaagtgg	ctcatgccta	600
taatnccagc	actctgggag	gcttaagcgg	gtggatcacc	cnangccngg	aatttggaga	660
acagtgtggg	gcaacatant	gagaccttgt	ctnttccaaa	ttaaataant	taattnnncn	720
gggaaannnn	nnnnngnnnn	ntnnnnnnnn	nnnnnnnnnn	ntnnnnnnnn	nnnnnnnnnn	780
nnnnnnntna	nntanaact					799

<210> 4070

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(785)

<223> n = A,T,C or G

<400> 4070

ggnnntttta	tcagctcttg	ttttnttgca	ggatcccatc	gattcgaatt	cggcacgagg	60
atatgcttta	gaattaaggt	gagtggattt	atctctagtt	tgagacaaag	agaagcgaag	120
taacaaaagg	ccacataagt	gataaatagt	ggacctggag	tttaaacctg	ggatcccccac	180
ctaaatcaga	aatacaaaat	caaccacttt	tttgatgata	cagggtctat	gtatatattat	240
tacatgtatg	tatatatgta	tatatatatg	catgtgtata	tatgtacata	catacatata	300
gatgtgcttg	tactagtgtt	tttcccacca	gatagtttagc	ctttcttctc	cccttgctca	360
cttttttttt	tttttttttg	agatgaagtc	tcactcttgt	cccccaggct	agagtgggaat	420

ggcacgatct	cggctcactg	taacctccgc	ctcctgggtt	caagtgattc	tctgcctca	480
gcctcccgag	tagctgggat	tacaggtacc	tgccaccacg	cctggcta	ttttgtattt	540
tcaatagaga	cagggtttca	ccatgttggc	caggatggtc	ttgaactcct	gcctcagggg	600
gateccccc	cctcggntc	ccaaagtgt	gggattacag	gcatancca	ctgnaccac	660
ccaaggggna	aaacttttat	ttagaaaaa	cttaactttc	actcgtaga	aaaacnggtt	720
ttgaataatc	taatttttaa	aaatgcatta	actatgtctt	atnttggctn	acacatttta	780
attgn						785

<210> 4071

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (792)

<223> n = A,T,C or G

<400> 4071

ttnaaccagc	tcttgtcttt	gcgatccct	cgattcgaat	tcggcacgag	gaggaagtga	60
gattgtgcat	gacatacttc	tcctttgtat	tctctcagt	ccttacagca	ggttactcca	120
ttctgtctat	acaacttggt	tcaaagtta	atttacatag	gattttttat	aagccattaa	180
ggcatatgta	tagtatatca	gtaaagatgg	atgggtgcata	tataaatagt	cttctgta	240
agtgattgga	tttacttctc	aattatgaga	gacaaaaatt	atcccctcac	ctgtctctat	300
tctttcaaca	ggttgatccc	ttttcatgat	ttttcattag	gtgggttcagg	aagtttccat	360
attacagcgc	ttcagactgt	atatgttagt	ttaaaaatca	cttttctctc	tctcaacttc	420
tttctttttt	ttttgaagac	ttaatttaaa	aaatttgggt	tgtagatcc	gtatcataga	480
tttggcctag	cctcttctgt	taacctagtc	cacagatgag	cgaatctgg	tagttgaagg	540
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ttacatttcc	agtggttaaa	cctcacggga	ctttgggacc	tgcttggtaa	ctttttgggg	660
gtgggtctgga	ggccaatcta	acctggacca	ttttctggnc	ccctcaacaa	gagagaggga	720
aagcaacctt	gggccaatga	ggagtataaa	taaccttggg	ctttcagaga	tttgaagaat	780
agaagaactt	ct					792

<210> 4072

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (802)

<223> n = A,T,C or G

<400> 4072

tggnatctat	gctggctctc	gttcttttgc	aggatccctc	gattcgaatt	cggcacgagc	60
acacttggag	ctcatacaaa	ctttttccca	ggctattgtc	tgttcttcaa	gcccattcac	120
ctcccctaaa	aatcatgtat	tcttcctcaa	aaattgncta	ttatcttcca	cttccctttc	180
ccccatgaaa	agtgttgagg	cttattctga	gccaatatga	gtgaccatgg	cctgagaacc	240
caatatgagt	gaccatggcc	tgagaacat	ctcaagagct	ccttcaacag	ttgtgactga	300
gcttgtcang	ttgcagtttg	gttttatata	ttctagggag	acaggaatta	taggtataat	360
cataaatcta	tatntagaan	gntacattg	gttcagccta	aaggggtggg	atatcttgaa	420
ggcanggttg	aggggatgct	tacagatcat	angnnaattc	aaagattttc	tgattggcag	480
ttgngtgaaa	gagttaagtt	ttgtctaaan	acttgaagtc	antagaaaca	aaaatgcttg	540
agtaaagata	aggggggtng	cgagggccaa	ngtttttggg	atgtnnatga	agcttcatag	600
atcacagnct	tngagagna	tagaagataa	atgtctcttt	tcagacttta	aaaggttcag	660

actctcaggt taatctcttc tagatccang aaaagcctcc aaaagaaaag gcctgactcc	720
cattaatggg ggattcttnt tacaanaatg caaaatttnc cccacacaaa nnatggcttt	780
tnccagaacc ccatttcaaa at	802

<210> 4073
 <211> 887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (887)
 <223> n = A,T,C or G

<400> 4073	
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ttaaatagcc cttgatgact tttcatgtgg catgagaggg atatgcttat aaagcttaat	120
tctgatatta tcctcttact acctacagta tgttttgcaa aaatcagtc acttagcaaa	180
ctaactctttg taaagcagtc agtttcagaa gatacttttt atcaaaaaag atggcagggt	240
taacattata ccttttggtt ttgcccac atttgattta atctaaagca agaataataa	300
ataattttta gaagcatata atttcttttg ataaaaagta acaaaaattt aatgcagatc	360
aaagaccaag gcttgtaacc aaaacaagca aaaagaaact ttagctgttt aactatcacc	420
tctctaattt aaaatgcatg aaaattaata ctttgttttt gttttttttt ggaaacagtc	480
tcactctgtc acccaggctg gaggtcgcag tgagctgaga tcctgccact gactccaacc	540
tgggggtaac agagcgagac tctgtcttca aaaaaaaaaa aaaggtgtna tttggaaatg	600
gaaatctan ggtaaagggg agctttnaaa aatgttggtt ttttttttcc ctggnaaata	660
aaaccttttt attggaattt aaatggncct ttgggnaaaa aaggaaacntc caccattgga	720
aaaaagggng ggcctttttt tatttntttt tggggtaggg ggaatnaaaa aacccccctt	780
tgggccccnt tttnaatan cccnttngn cccaaaattt ggaaaagccc aatttttttt	840
ttaaatgga anggggttta ccctgggnaa atttgggttt taaaann	887

<210> 4074
 <211> 851
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (851)
 <223> n = A,T,C or G

<400> 4074	
ggnnnnnnncg nnnatttaga ccagctcttg ttnttttgca ggatcccatc gattcgaatt	60
cggcacgagg agtatttgct ggtgcattgg agagtttcac gtaattcttg tgcagattca	120
gcaagagagt ttgccggcat gctttgcaca gcccctggta cccagtaagg cgattattag	180
cattgggtgct tgctggaatc agatattcca gaatattctg tcacagctca tcgntgccct	240
cttcttttct gtgggtaaac tgaggcagaa actcaggctg ggtggaactc tgcagcctca	300
gctggagacc tcgtctggcc aaggactgtg gggacacagg ccctntaggc tgccacctca	360
tggtcccagc atgagggcac cagaactgca cagaaagtct cactacccaa gtgtctgagc	420
caggccagac tgtgctagcc agacctgccc ggggttcatt cactgacctt tattgagcac	480
ctactgtatg cccagcccca aacctggctc tgctcatgga aaagaacttc agtggaaaca	540
ggtcctggga tgaacaangg cctggcctgg cctgggtgat ccactatttc tttaaagagg	600
gagagtggac aattcccga tttattgtca ggggggaggt cttcattttc ttgctggttn	660
taaccanaaa taccacaaag acttggggtc ntttttagaa aaccattag aaaactngan	720
ttttcgtacc ttgtttctag aaggggtggg gaaagtcccc nngaatacaag ggtggccnag	780
ccagggntnt gggttgtcct gngagggggc cactanattt gggnttccaa agaanggggc	840

ccctcctttt t

851

<210> 4075
 <211> 836
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (836)
 <223> n = A,T,C or G

<400> 4075
 tatnncagct ctcggttcttt tgcaggatcc catcgattcg tcttgactga gggtcccatc 60
 tttcttantt ctcttaagga tgtgctattc tattctagat gcataggagg gaagntaatc 120
 cagncttaga tcancagggc tgngttcttt ctcagaacca taccnaaaa agcctnanta 180
 gaatttttagg aaagtctctat ttagaaagaa actaagaatt atgattaagt tttggcctaa 240
 gcaacttaat angcagnggt atcattttatt gngaagcaaa tnacataaga agcangttnt 300
 ggggcttggg aggaggttaag ggcngaaagt tngntattnt tttttaaacn tgtntaatnt 360
 gagacacctg ctatagatcc tantnaaatg tcatagacac nttaatggtn cacaactttg 420
 aaactcagag agaggtcann gctggatata aacagntggg agtcaancnt attttatatt 480
 atttaaatcc anaagactgg atacggcaag ttnggagggg gtttcaatgg anaancaaaa 540
 tttttgactc tngngcactt aaacatttaa agntctgata aataggagag ggcccancaa 600
 aggggaaattt gaaagaacca atcattttacg gtangggagg aaaaacttag aagggggata 660
 aatatcttca aaaaatcaaa aaaattaatt ggcntttttc aaagaaaaat nnaggnggnt 720
 tancccccctg tgggtttaaag gngnggttaa agtattcacc ttggaanaaa nanggttcaa 780
 angggcgaag aaggcccaan ngggggccct ttttttaaaag naaacttttt tccccc 836

<210> 4076
 <211> 852
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (852)
 <223> n = A,T,C or G

<400> 4076
 mnntntttnn antacacgct ctngttcttt ttgcaggatc ccatcgattc gaattcggca 60
 cgagcnaagc tgttttatan attanggaga ngagtggagg gagaggaata ggatagacna 120
 aggtngagat agggancact ggagaagaan acctcanagt gaggcacagg aagaggtgtg 180
 aangggaaaa gaagtggcan atgtnacgga agagcccctg nccatgagag anantggngg 240
 gantggnaag gaaggggaagt tatggggcat gggncacata gcacacaaca cnacagtaag 300
 gctagagata tnaaanaaac aatgattctg agctncataa gtagcnatct cncgcttaat 360
 agacataggg ngtanctgtg acatggcgtn anctacagna ctggacatna tcaccctttt 420
 ntaggggaagg agggatgcct gcagnggcct aactccanca ngttatcatg tgctatggaa 480
 gtinctgnca caatggnggc cnccantcat gtgtccaacn ttaaataagn ctgtcgtngc 540
 tnaggaccta nnntgnaatc ttaatttcat tttaaaatnt aaatnttccg naatggangc 600
 tcaaggctng cttctttttt ggaaagtgtc ngaactgaat tgaaaccggn tttnaaaaaa 660
 aggattagta nccccgtgtt tttccccttg tncgggggca ttaaagtntt tttaanccct 720
 ggggaccntc cccggtnggg ncccnttnna aaacncccaa aatcccattg gcccccttg 780
 nattttttta aaacaatttt tnaangntag naantntttt gaaaaaaaat tgggaatttg 840
 gggggncccn nt 852

<210> 4077

<211> 897
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(897)
 <223> n = A,T,C or G

<400> 4077

cgnnnnnnnn	tnnnanggct	ttgccactaa	ctgaaaccct	ttgnacccan	cganncgaa	60
tcggcagcag	gttgaaggta	tgtgtcantt	ttaaccagggt	gttgagttat	ttgatntttc	120
ctncanagat	tatttaatat	tttcaataat	atctaataat	gtgtgggaaa	ccgtaaaatt	180
tttcatacaa	actgggacaa	atgaacatgc	atactattaa	aanactncct	acaatacggc	240
ataaaaanggg	ctttcttagg	ngaaccagga	ggtatagnca	gcctaatacat	nngctatgan	300
tatttagtnat	ggnaggtgtg	gttttatcac	tcatatatgg	aatctttttt	tgaatgacta	360
ctctggaaat	gacgactgaa	tctcatactg	tgtacacacn	tnatcanagg	acacttaatt	420
gnatnnanna	anatannntt	gaacttacct	tgngtttagag	ggncagagag	gttcatnatc	480
canaaaaaatt	atnatgtggg	gctttnttcc	tttgggaaan	tgaccgntca	cacnncaggg	540
catgtgtttc	ttctnatacc	ttcaccccan	ggggcncctt	ctcttttnana	aaaannnggn	600
gncatgaaan	ntntatnatt	cttncccctn	ccnagntncn	ttgntnttgc	ttaaggnttc	660
nnccnnantg	ncaaggttna	naaanngaaa	aaaagaatnn	tgggnaaagg	caattntcac	720
aaacttntaa	aaagccgggn	atcntttgnt	ntngggtaaa	ntccccnnn	cctantttta	780
anatnntnnn	cnnctccggg	gggggatatt	nnnnggggcn	ntntaanncn	nnnnnanann	840
nnaagngatn	gngngngccc	aannccaacg	anntntttnt	aaaanagngt	aaaagcn	897

<210> 4078
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(786)
 <223> n = A,T,C or G

<400> 4078

ngnnnnnttg	gatancagct	acnggtnaat	ttacttcttg	caacgncccg	aatnccggc	60
gaggttaggt	tgacacaga	aggggcaatc	aaatttctgt	attcagatac	cttttaaagg	120
tacactgtgc	caccttgctg	cctttgattg	caaatacaaa	gttaattttc	aaaaaggaaa	180
aaacaaaacag	ctctttttcc	taaaacacat	gttgtacttc	agacctaaaa	ttctaagtct	240
tatttgtttc	tcacccatga	gtagatttta	ggtaaatagta	ttagtagagt	ccttagagaa	300
tcttaagagg	tcatttactc	cacctctttc	attttaaatt	ggggtatcca	aagcctgaag	360
aggtggcctg	gccaatattg	accaagggtat	aactaaatat	gagctagcat	cttcttcctt	420
cttctcgcta	tcccttggtg	ttaaagattg	tagtacatga	agaataatgc	attagcaaaa	480
agctcctagt	ttgtgtttcc	cctttgtgtc	tccctgttgg	ctttctgaga	caacctgaat	540
tttgccaaca	aaatatcgca	gagggattta	tattaattat	tttttagtta	gatgaatatt	600
atattcttcc	catccaaagt	gagtgatttg	ctaggttttg	ttagggaggg	aaaaagcaag	660
aataatgtga	gaagaatcta	aatgcgaagt	tgattttgtg	tggnaaactg	gttattagtt	720
ccatcaggaa	tttctgnttt	tattttttga	gctattgaga	agtgcattga	gatttgaaaa	780
attagg						786

<210> 4079
 <211> 800
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (800)
 <223> n = A,T,C or G

<400> 4079
 ggnnnnntnn nnnnnntnta tnnnagctac ttgttctttt tgcagggatc ccatcgattc 60
 gaattcggca cgagggcagc agcagcagca gcagcagtg tggaaacgagg aggtggagaa 120
 ttgagagcac gatgcataca caggtgtttc tgagtagtaa ttagatcgct gtgaaggaaa 180
 aagcacacct ttgagttttc acctgtgaac actatagcgc tgagagagac agtctgaaag 240
 cagaggaaga catcgatcag taacaccaag agacaccaa gttgaaagtt ttgttttctt 300
 tccctctgtt ttatttttcc ccogtgtgtc cctactatgg tcagaaagcc tgttgtgtcc 360
 accatctcca aaggagggtta cctgcaggga aatgttaacg ggaggctgcc ttccctgggc 420
 aacaaggagc cacctgggca ggagaaagtg cagctgaaga ggaaagtac tttactgagg 480
 ggagtctcca ttatcattgg caccatcatt ggagcaggaa tcttcatctc tcctaagggc 540
 gtgtcccaa acacgggcag cgtgggcattg tcttttgacc atctggacgg tgtgtgggt 600
 cctgtcacta tttggagctt tgtcttatgc tgaattggga acaactataa agaaatctgg 660
 aggtcattac acatatattt tgggaagtct tttgggtccat taccagcttt ttgtaccaat 720
 ctnggggtggn actnctcata atacgccttg cagctactgn tngatatnc ctggcatttg 780
 gaaccctacc attttttgaa 800

<210> 4080
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (784)
 <223> n = A,T,C or G

<400> 4080
 tnnnnntttt anancagctc ttgttctttt tgcaggatcc catcgattcg aattcggcac 60
 gagcttgctt gaaatacaga atgtccagat ctactgagtc agaatttaca ttttcaaaag 120
 ctccctacgt gactcatgca tattaaagtt tgggaagcac tgacttagat taccttttga 180
 gaattccaga tgggtcagaa accagacaga aatactcagt agtgagaagc tatgggtgat 240
 cagaagctgt taggcatttc atggtttgggt agtgagcaag acagatagtt ttccctgtatt 300
 cagcgactta gtctagagag agacaggatg gaattaagtg tttagggtgct agccaaaagt 360
 aaagattcgt agaaaacaag ggttcatatc ccagtcatca aagtgataaa tttccctgc 420
 ttaacattta gattaaaaag taataattag gccagggtg gtggctcaca cctgtaatcc 480
 cagcactttt ggaggctgag gtggacagat cacttgagct caggaattcg agaccagcct 540
 gggcaacatg gtgaaacccc atctntacaa aaaataccaa agtcnnggcac ggttggttgt 600
 gtgtgcctgt ggttccagct acaccggang cagangcagg agaatcactt gagcctggga 660
 ngcaaangtt gcaatgagcc aanattgggt ctttggactc tagccctggg cgacangggag 720
 tgaaacagtc ttcaaaaaaa aaagcctnta aaactatagt gagtcgttta cgtngatcca 780
 gacn 784

<210> 4081
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (790)
 <223> n = A,T,C or G

<400> 4081

nnnnnnntttt	atancagctc	tngttctttt	tgcaggatcc	catcgattcg	aattcggcac	60
gagcttgga	gtatgtttta	atatgtatac	cttataatcc	tgcctctagc	caaagtctat	120
gtttgcaaaa	tgtggcatct	gttagttttt	attgtctgtg	tcttctttgt	ttactatacc	180
ttgggtaatt	ttgtgttacc	aaaaaaaaaa	aaaaggaagt	gtaatgtcag	acacacaaga	240
aaagcaaatt	agtgtgttaa	gcttaaagta	caatttcaaa	ggcattacc	aacagcaggg	300
ttttttttat	actttaaaaa	cattatgcta	catatcattg	ccattttcat	attttggggg	360
tttgctactc	ttatacaatg	gaatcaatgg	aaatgtcatc	cagccactga	attgccatta	420
ttatatctaa	aaagtttcta	agatgacagt	tatcactatt	ttgttttata	tccatgctga	480
catttgaaag	aaggtctagt	atccctctag	ccagattgct	tagtttttcg	ttggtaatca	540
aacaacagtt	gtactaaagg	aaagtaaagc	taggacctaa	atcagaatca	tagttgcctg	600
catatatggt	aacaaggncg	tgtgcatttg	ctttcacagt	gatgagttag	aggatgagaa	660
naaattatatt	gacatttttc	ttgtgggtga	atagaanaca	cctttctttt	gtctttaggg	720
ttangngnga	gatactaaaa	aaacctggga	tgtttatcct	atcttaaatt	ngggtgggag	780
taataaaaaa						790

<210> 4082

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(788)

<223> n = A,T,C or G

<400> 4082

ntatnctggc	tactngttct	ttntgcagga	tcccatcgat	tcgaattcgg	cacgaggttg	60
gttgctcaact	ttgcattata	ccaccactt	gtaatatctc	tgccttgaag	aggaaaaacc	120
aggaacattt	cctagaatcc	ccttcccggt	atgatcccaa	gttaggatat	gccagtgaga	180
ggtgctgttt	tagtcccttt	tgcctgctgt	gacaaaatga	cacagactgg	gtagcttata	240
aacaacagaa	atttatattc	cacacttctg	gaggetggaa	agtccaagat	cagggatttg	300
gtagattctg	tgtctggtga	gggctcattt	tctgattcat	cgatggcacc	ttctcagggg	360
tcctcacatg	cggatttgat	aacgcagatc	tctgggatct	cttttataag	ggcactaatc	420
ccattcatga	gggttctgcc	ttcataatct	aaccacctat	caaaggcccc	atttctagta	480
ccgttacctt	aggggttagg	atttcaacat	gacctctggg	gagatacatt	cagcccatag	540
caggtactca	caatagaata	agaaggcaaa	gcaaggaagc	ttttattctc	aggatgtggg	600
aaagcatcac	ccacttctcc	agtaagttgt	ggnctgtttc	aattttctca	tttcttcacc	660
agcttcact	tttgcagttg	tgtcagccaa	tcaacgacag	ctttccaaaa	nttccgtgca	720
agtgcctgct	tttganggca	aaggngnca	taaaatngga	agcttcttca	ggctccttcc	780
acaatctn						788

<210> 4083

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(889)

<223> n = A,T,C or G

<400> 4083

ggnnnnnnan	ngnnntttta	atncttgcta	ctcgttctnt	ntgcaggatc	ccatcgattc	60
gaattcggca	cgaggaggaa	gcatatacca	cagaacattg	gctggtcagg	atatacaagg	120
taaaggacct	ggataatcga	ggcttgtcaa	ggacataaat	gtnacgtcca	gctctnatat	180

gcttcgcact	gagcacatca	catttaggac	gttgaagatt	tttttttttt	ttttaatatg	240
cannttgtaa	gaacaaaact	ggatggcatc	anaattgnct	ggaagttttg	tcttgggcca	300
aatgaaatga	tttttataat	tctaaacagg	ttaccaaata	aaatgtcatg	gctttacttt	360
ggtcaattaa	aggggggaat	ttttttttaa	aaantgaaat	gctnacactt	atntctgnaa	420
antatatnga	aaatgnatac	cntggngcct	attgangntt	ttggnggggc	antttcnntt	480
taccnncn	ccaanttnga	aactttnttn	nttttggncc	atcccacccc	ttttgcnnng	540
gcnnntaant	nacaaanttg	ctttttttcc	cntnaangtn	tgggaaaaaa	nactttntcc	600
ttnttntctt	aaccctttt	cncctcngng	gtttcttgnt	taaaaanntt	cctntnttaa	660
aaatagncaa	ctcttttntt	ttnttttnaa	ngggntacca	naaaaaaaa	aatagggggg	720
ggtttntaaa	anatgggatt	ggccccnncn	acngggaacc	caattgggnt	cccttnnaat	780
aaaacctttt	ttttntccan	atnaangggg	gcctttttcg	cntcnantnn	ngcggettta	840
aaaaggggcn	ntancecggt	gtttcttttn	gggnaaatcg	canccttcc		889

<210> 4084
 <211> 828
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (828)
 <223> n = A,T,C or G

<400> 4084						
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gagagggggc	gggcccgtac	gccgattcca	tatgggcgcc	ggcgcgaggc	gccgcggggc	120
agcgcggggt	cgccatggct	gagctgcanc	agctccgggt	gcaggaggcg	gtggagtcca	180
tggtgaagag	tctggaaaga	gagaacatcc	ggaagatgca	gggtctcatg	ttccgggtgca	240
gcgccagctg	ttgtgaggac	agccaggcct	ccatgaagca	ggtgcaccag	tgcacgagc	300
gctgccatgt	gcctctggct	caagcccagg	ctttgggtcac	cagtgaagtg	gagaagttcc	360
aggaccgcct	ggcccgggtg	accatgcatt	gcaacgacaa	agccaaagat	tcaatagatg	420
ctgggagtaa	ggagcttcag	gtgaagcaca	gctggacagt	tgtgtgacca	agtgtgtgga	480
tgaccacatg	cacctcatcc	caactatgac	caanaagatg	aaggaggctc	tcttatcaat	540
tggaaaataa	aagttttttg	cagtggccat	caagggcttg	agggcaagaa	tatatatttt	600
attagggaaa	aaaaaaaaaa	agcctnttng	aacttttagt	gagttcgtat	tacgtanaat	660
nccagacatt	gataaggata	catttgattg	aggtttggga	ccaaaccaca	accttggaat	720
tgcagannng	aaaaaaaaat	cttttttttt	gtgnaaaatt	tgnngaatgg	ctatttgggt	780
tttanttggg	aaaccaatta	ttaagcttgc	aaataaaaaca	aggttnan		828

<210> 4085
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 4085						
nnnnntttta	nancagctct	tgtctttttg	caggatccca	togattcgaa	ttcggcacga	60
ggttactttc	tttctcacac	aaaggaaaaa	agagactatc	tttagggaaa	cactgcttta	120
aatcatcttc	cttgaatatt	aattctctgt	tgcttcctcc	aaaaatggag	aaaataatcc	180
ctaccctcat	aggcttatta	taaggctcaa	ttatgataat	ggtgtgaaaa	ctttgaaaat	240
tagacttcag	agaaattgag	ttaatctggg	attattttatc	aatgtcttag	taaccaaaag	300
tttaaaatgt	gttttgtcta	ccaactgggt	gcatgtacat	ggttaatcca	aaaggctcag	360

cttttcagca	aatggaaaaa	gattaacttc	tttatggatc	acattatgag	atgaaacaca	420
tttcattcta	gctgctgaaa	aaatagcaac	atgtttttga	aaccattgtg	attttgtatt	480
gcagtcacta	aaacatcaaa	tatatcattt	ttatgttaaa	gtgcccta	ttgtgtgtgt	540
acataaaaact	tggagtacct	tggccaaata	gaagaaatta	atgtgccgag	tgtctgtttt	600
aaaagaatga	aatctgagcc	cagtgtgang	ctcatgcctg	taatcccacc	cctttgggag	660
gcttgaggca	nggaaaaatg	cttgagtnca	ngagtggag	accancccg	ccacatang	720
agaccttttc	tnttccaaaa	aattaaaaaa	ttgnccgnca	tggggggccc	atgccgtgta	780
ggncccnct						789

<210> 4086
 <211> 775
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (775)
 <223> n = A,T,C or G

<400> 4086						
gnnnnnnttcn	aatactgntc	ttgttctttt	gcaggaccca	tcgattcgaa	ttcggcacga	60
gaaacagtct	atacatgttc	agtacagatg	cagccatcca	ttttcttgtc	caaataattt	120
ttatctccag	ttgggtgaat	ccattgatgc	agaaaccacg	gatacggaga	gctgactctg	180
tgtgtgtgtg	tgtatactca	ccaattcttt	atttattcaa	caaataattt	ttgaatttct	240
actatgtgtg	aagcatagtt	cacgatcctg	gggatatagt	agacaagctc	cttgccttat	300
tgagctcaca	ttcttatggg	gaagggcagg	ttcagggcct	tctcagatct	ttgctgggca	360
tgacacacagc	cctgtgcata	tgtgtctttg	tggattccca	caatgagctg	aagcttttca	420
aagctcctag	ggacgtacca	ttctctggct	tttccttttg	agcttttagt	tagccttttg	480
tttgccctaa	tatcacccac	tactcaggca	ggaatgaagt	caaacaattg	tcttgaaata	540
ttttcaataa	atgcctctgg	agaaaagggg	ttttattttt	ttagccctgg	ataagatcct	600
ggtttagggta	aataaangca	gccttgcaag	tgggggcttt	ccnggaagca	ccagacagac	660
aaataactac	agtccatgag	aatgaacttt	gaagggctct	nacccatttc	tgctttatta	720
agggntggca	ngntcctggg	ggtcancaag	atgggggact	ggttggcttt	caagn	775

<210> 4087
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (770)
 <223> n = A,T,C or G

<400> 4087						
tnnnnntttta	atcagctctt	gttctttttg	caggatccca	tcgattcgaa	ttcggcacga	60
gggccagcgg	atcgctgcga	gtggccttga	agggcagctg	tcgaggtgaa	gagtaggcgg	120
cggggcagag	agcggcctcc	gagggtcacc	tgaatggttg	agcatggacc	ctgttgctac	180
ccacagctgc	catctgctcc	agcaactgca	tgagcagcga	atccaaggcc	tgctttgtga	240
ctgtatgttg	gtggtaaaag	gagtcctgct	taaagcgcac	aagaatgtcc	tggcagcatt	300
cagccagtat	tttaggtggg	tatttttagac	ttcattctcc	tagctgtgaa	ttaagggtaa	360
agctctttta	gtatggaagt	attcatattt	tgttctcctt	ggatttcact	atctttatct	420
tttatagcac	attggatttt	gtaggagttg	ttttaatttt	taagtttggt	aaccattttt	480
attatttttg	cttttgngtt	tagagtaacc	tgaaaagaaa	agaggctctt	aagtaaaatg	540
aatttgggat	gactgaaagt	attttgggtg	nttggctttc	attttactaa	ttctggctaa	600
tgtcannctt	ctacatatat	ttcttatcct	ttcaagaaaa	aatgatgggg	gaattaaatt	660

nccngtcana aatntntttg tgataanaaa tcaggggaaa aacatatttg ggggtggant 720
tctntntttt tttcttaant aaannnttta ntttggntn tnattnnaaa 770

<210> 4088
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (774)
<223> n = A,T,C or G

<400> 4088
taaancgct cttgttcttt ttgcaggatc ccatcgattc gaattcggca cgagagggaa 60
aatatgacaa acctcaacta tgggagttgt ccacaatata aaattttgaa aaaacattac 120
atagtataa tatcatactt ggttgtagg cttgttgctt cccacatca gaggcattca 180
atgatttatc ttttgtaatt gctgtgaact tttttaata agccatttag tgtgaaattg 240
tcatttatca aatggctatt ggaaatggac ttactcaat ttaattcca ctgtaaataa 300
ggacggagtc attcctacaa ggctctcttc agagaaatag attaaaagtc caatttccag 360
gtattattag tatagttatg ccgctgggac acatcctcaa caacagctga tccctcttgt 420
ataaatatgt taactgtgca gaacagttat gttatgggac aaatataatg gtcattatgg 480
tcagattggt tgatgccaca ccagtcaagg tagagtctga tagggcagta tcttaataac 540
cctcccatga cttactgtt ggatttgaaa ggaaaacgta ggatttgctc ttgnccctt 600
ccccacaaa attttgataa tttgtttaaa aaggagang cngaggaaa gactngaacc 660
ttaaangct gctttanggt ttgccagang ccatactta acattagttc ttaaaattcg 720
anggtatttt actaatgnaa ttaatcaaca gagcccnag gantttttta tggg 774

<210> 4089
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (844)
<223> n = A,T,C or G

<400> 4089
nnnnnnnnnn nttntatana tacagctact tgttcttttt gcaggatccc atcgattcgc 60
ttgtttttaa gataattgct agatttatgt tttagctttc cataaaatgt aataacataa 120
aataaaatat aaataaaata tgaaataaaa taaaagccat ggggaaaagg tagggtttga 180
ttgctaataa gaaatttctt ggaaaagaga cttagctctt tttggttttc caaagtcac 240
attttataac attttttagt cttggtgttt gcttgtggta ttacattaga taaaatgta 300
tcacagtgtt ggtttatact ggatgtttta ataggattca ttgaaagggg tgtgttttct 360
ttctgaggaa tacttactca gcattttctt cagaaagtta cttgctgcta atcctttatg 420
gaggtcttag gggaacatca ttttcttgcc ttttccagct tctacaggct gtccacatcc 480
tcagctagtg gccccttttc atcctttttt ttttcttga attatgagat tttttgtact 540
ttgagttctg ggatacatgt gcagaacgtg caggtttgct acataggtat acaagtgcc 600
tgggtggttg ctgtaccat caacctgtca tctacattag gtatttctcc taatgctatc 660
ccaccctag ccccttacc cctnacagtc cccggtgtga tgttccctc ctgtgtccat 720
gtgtgctcat tggtaactn ccacttatga ntgagaacat gcannggtt ggntttctgg 780
tcctgngtga agttgctgan aatgatggnt tccagcttta ttcattgcct gcaaaggaca 840
tgaa 844

<210> 4090

<211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

<400> 4090
 gnccttttga aatcccttnt aacncaaacy cttggcaaac nccctttctn cangcanccc 60
 ntgcgntnecg aattcggcac gagggcaaat gccggaattt aaaacctggc ttntaaaaag 120
 aatgattttg aacaaggcga attatatattg agagaaaagt ttgaaaattc aattgaatcc 180
 ctaagattat ttaaaaatga tcctttgttc ttcaaacctg gtagtcagtt tttgtattca 240
 acttttggct ataccctact ggcagccata gtagagagag cttcaggatg taaatatttg 300
 gactatatgc agaaaatatt ccatgacttg gatatgctga cgactgtgca ggaagaaaac 360
 gagccagtga tttacaatag agcaagattt tatgtttaca ataaaaagaa acgtcttgctc 420
 aacacacctt acgtggataa ctcctataaa tgggctgggtg gtggatttct gtctacagtg 480
 ggtgaccttc tgaaaatttg gaatgtaatg ctttatgggt accaagttgg gctgtttaag 540
 aactcaaatg aaaatctttt acctggatac ctcaaaccag aaacaatggt tatgatgtgg 600
 accccagtc ctaacacaga gatgtcttg gataaagagg gtaaatatgc caatggcgtg 660
 ggggtgtgtg gaaaagaaca aacgtatggt tccgtgtaga aagcaacggc attatgcttc 720
 acatactgga ngggcantgg gtgccagtag tgcctctctg tcctcctgaa aantgg 776

<210> 4091
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 4091
 ngtttttaaan atacagctac ttgttctttt tgcaggatcc catcgattcg aattcggcac 60
 gaggaatgga gttccacctg ggctgtttta ttaactatct gccctccgt ttcttcatct 120
 gtaaaacaga aatgataacc ttactattaa ttgtgtgacc ttggacaagt tacaacatct 180
 ccctgggcgc gattgtccca tctgaaggct ataatagcac ctgccacaga ggatggtagt 240
 aaggattaaa ttagttaac catgtaaatt acctaggtaa gtgcctgcca tatagcaagt 300
 gcttgggtact tttttttaa aatcactggt atgactattg cagacacctt tgccatgatt 360
 ggaatagctg gaatccaaac tcaagccttc catttccagg gttctggctg gtgtggggct 420
 gacagacctg gatggggatt ccagctctg cctctcttca gctgagcaag tcaactggaac 480
 ctctctgagc tgcattctgt tcagctgtaa aataatagtt tgtactttgc aggggtgttg 540
 taaggcaatg gtctccagcc tttttggcac cagggaccag ttttggggga agaaaatttt 600
 tncatggaca gggntgctna aggggatggt ttnaagctcc catgaggatt taatgcggcc 660
 ggcccgng gcttaccct gtaatcccaa nacttttggga agcccaagt ngccggatcc 720
 ccaggtcagg gaaacgagac cntcctggta acatggggaa ac 762

<210> 4092
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)... (762)

<223> n = A,T,C or G

<400> 4092

ngtcatttgn	tngatacagg	ctacttggtc	tttttgcagg	atcccatcga	ttcgaattcg	60
gcacgaggag	gagttaaatt	ttgaagctct	ttgagaaagg	taccttttct	taacatgttt	120
taaaaataaa	aatacaatgg	cttattttaa	atgtccctat	gcatggtgaa	atgttaaata	180
ccaagtggat	gaatggttct	caaatatatt	gtaatggaga	attattcaca	tgcatctatt	240
gtttaaacta	ataagtaaaa	tagacttcct	ttttctgttc	tgttttaaat	gtgcactaaa	300
attacctgct	tgtgggttagc	atgggctgga	cagtttattg	atttttcaga	agaatgcttg	360
gctttgggtt	tttggaata	gggagcctgc	agcaaattat	ttcatttgac	aaaaaagagt	420
tattttaatc	ctatttgaat	gtatgctatc	tcctttaccc	tcccatctt	atgataaaaag	480
gtctctcttt	tttctcttcc	aggtttgcag	ctaaaactgt	gcacagtggg	tcattgatgc	540
tagtcacagt	ggaactgaag	gaaggctcta	cagcccactt	atcataaaca	ctgagaaaac	600
tgtgattggc	tctgttctgc	tgcgggaact	gaacctgtcc	tgtctcangg	gtaacctgct	660
tacatctgga	ctttanaatc	tggcacacaa	caaaagtgcc	tggcatcact	actgntgcct	720
ttcatttata	ataatagccc	ttcctcttgc	agtgggggta	ga		762

<210> 4093

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (795)

<223> n = A,T,C or G

<400> 4093

ggnnnnnnngt	ctttcaaant	ctaggctact	ngttctttnt	gcaggatccc	atcgattcgc	60
tcaagtncca	ncacaccggc	gccgtcctgg	actgngcctt	ctacgatcca	acgcatgcct	120
gnagtggagg	actagatcat	canttganaa	tgcttgatnt	gaacactgnt	cnagaaaant	180
tngtngggac	acatgatgcc	cnnntnanat	gtgngnata	ctgtccaaan	ctgaatntna	240
tggtcnctgg	natntngnnt	cagncnnata	aactgcngga	tcnnncanct	tctngnaatn	300
cnnggaccnn	nnctnngccn	gaatangtgt	ataccntctc	nangtcttgg	agaccgncng	360
gttgtgggna	cngcaagnct	gccnnngntt	actnccatnt	tangccaaca	tgggtatncc	420
antcttgttg	ngatanacc	atcctgcctt	accngacttg	atgngttcga	gnntnngcaa	480
actnnnnngg	cttggnatta	agctgnntag	aangccaagn	nnattctgan	aatntggacc	540
tnggccttng	ggccataaaa	aagcgnatgn	cnntttctnn	ggccaaacna	tgataacctg	600
attnccatcg	atttcaccct	tganaatggc	ttcanntnta	aactnaatac	ncaantnntt	660
atcntcaang	nggaccgnaa	acgcttngng	aanctttttg	gggggnncan	tnttgcaaaa	720
cnngaaangt	gccattttaa	anccaaaactc	gcaattgngc	aanttnantt	caattgcctn	780
gaataattgg	agang					795

<210> 4094

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (750)

<223> n = A,T,C or G

<400> 4094

natggntttt	nannatacag	ctcttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	60
------------	------------	------------	------------	------------	------------	----

cacgagacag	agcgagcact	ccagttcaaa	aaaataaata	aaaattaaaa	aataaaaataa	120
aataaaaaat	ttactaggca	tccagcattc	attaaggaga	ataattcagt	taaggaggaa	180
aagaattctg	ggattctggg	aatttcctta	accaataaag	agtatgtgtg	agaaacctac	240
tgctaacatc	atacttaatg	gtaaaagtcc	aaagatcagc	aaaaagagga	tacctggtct	300
aaacacttcc	actaagcatt	atactggaag	ttctagctag	tgcaataaat	gaaagaatac	360
aaagtatcca	gattggaaag	gaagtaaaat	catctttatt	aacagattat	atgattgtct	420
atataaaaaa	aatctgaagg	tatctacaac	actattagaa	ctaaatgagc	ttagtgagac	480
tgcaaaaataa	agatcaatat	atataaagca	gatgattttg	catgactagc	catgaacaat	540
ctgaacctta	aaaccttaaa	tgccatttat	acaccatana	caatatgaaa	tncatagtga	600
tgcatctggc	aaaagaagtg	caagatgtat	agtataaaaa	ttaaaacact	ttggggagaac	660
tttaaaaagc	ctaaatgaga	ttactatgtc	agagactcca	gactcatacc	ataatatgca	720
atcttccacc	tgccctaagat	cagtgaatcc				750

<210> 4095
 <211> 758
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (758)
 <223> n = A,T,C or G

<400> 4095	
gnnnnnnnnng	ntttnttnca gctacaggct acttgttctt tttgcaggat cccatcgatt 60
cgaattcggc	acgagaggac attctcctac atagccgtat attctcatta taccagcaa 120
atattcaatc	atattatcta aggtacactc cacattcaga aaaaaaatg ccctttacca 180
tagtttttgt	tttgcttttg gttttgatca aagattacag gtgtgagcca ccgcaactgg 240
cccactgtgt	tacgatttga aataaaaagg aacctgtcaa gtacccagag aatatcagaa 300
ctgctgtccg	atctcctgaa attgaaatta atttctcag tgactcaata cccactgcca 360
ctcactcaag	ccctgcaagt tcaagccaaa tcatcctgcc accacaggaa tctgatgggt 420
cacgctgctg	cctactgaaa atggggattt gggttagtga taaaataggt taaaacacat 480
aaaataggta	aactagggta aaatacagta agaatgggtg agaggagaga aaaagaaact 540
tcanttttag	aagcataata ctacttaaaa tttcctgaga ataaatttgn cttctagaca 600
acacanagna	nnntanncn nnnncnnnnn nnnantnnna aaaaagcctn taaactntag 660
gagtcnttta	cgnaatcccn acntgtnaga tncttgatga nttggacaac ccacttgaat 720
gcagngaaaa	aatgcttttt gngaaatngg agctttgn 758

<210> 4096
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (771)
 <223> n = A,T,C or G

<400> 4096	
gnnnnnttttn	aanatacagg ctacttgctt tttttgcagg gatcccatcg attcgaattc 60
ggcacgagac	gggagctagt gacggcattt ctacgatcct gaagatcctc gtctccgggg 120
gcggcaagtc	acggacaggt gtgatgatcc ccattcccaca atatcccctc tattcagctg 180
tcattctctga	gctcgacgcc atccaggtga attactacct ggacgaggag aactgctggg 240
cgctgaatgt	gaatgagctc cggcgggctg tgcaggaggc caaagaccac tgtgatccta 300
aggtgctctg	cataatcaac cctgggaacc ccacaggcca ggtacaaagc agaaagtgca 360
tagaagatgt	gatccacttt gcctgggaag agaactcttt ctcttggtctg atgaggtgta 420

ccaggacaac	ntgtactctc	cagattgcag	attccactcc	ttcaanaang	tgctgtacna	480
natggggccc	gagtacttca	tcaacgtgga	gctcgctcnc	tttcaacttca	cctncaaagg	540
nctncatggg	ccnatgtggg	tacanacgag	gcttcatnga	ggnaatcaa	cctgccccctg	600
anatcaaggg	ccanttggtg	aaactgcttt	cggnnctcct	tgtgccccnc	aatatntggg	660
caaggccgcn	ntggacattt	ttngtgaacc	cccttgggcca	tgccctnaact	tcaaaacaat	720
tnaaatgntt	tttttttgg	nmncaaatta	naacctnact	tanttttgcc	a	771

<210> 4097

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 4097

gnttaanncn	tnatacagct	acttgttctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgaggtgc	tgggcctgga	agtccagggtg	gggccactcg	ctaattctca	tgtgttgctc	120
cggccccctc	agctgcagggt	gggtgtggag	tttgaggcca	gcacaaggat	gcaggacacc	180
agcgtctcct	tcgggtacca	gctggacctg	ccaaggcca	acctcctctt	caaaggtaaa	240
ggtctcggtt	cccctacgcg	ggaaacaggc	aggaggtgac	tcaactctga	gtggatgtgt	300
gggccaccac	aggtgctgga	ggacagtgtg	ctgccaccct	gtgggcctcc	acattaccgg	360
ggaacacttg	ttaaaaggta	ggtggggccg	ggtgcggtgg	ctcacgcctg	taatcccagc	420
actttgggag	gccaaaggcg	gccgaggtaa	ggagattgag	accatcctgg	ctaacacggt	480
gaaactccgt	ctctactaaa	aatacaaaaa	caaaattagc	cnggtgtggt	tgccggtgcc	540
tatagtccaa	ctactgagct	naagcnggaa	aatgggtatga	accaggaag	cggacttgcg	600
gtgaacccag	atcgtgccac	cgacttcaac	ctgggcgaca	gacaagaatt	catttnaaaa	660
aaaaaaaaag	tagtgggaca	ccctntacta	tgtttatctt	gggaaaaaaa	agtnggttna	720
acggncaaagc	cttgtgaata	accctgtaat	nccaacn			757

<210> 4098

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (762)

<223> n = A,T,C or G

<400> 4098

gntttananc	agctnntagc	tacttgttct	ttttgcagga	tccctcgatt	cgcaaggatg	60
ggcgcacccg	agaaggagac	cgcattatcc	agattaatgg	gatagagggtg	cagaaccgtg	120
aagaggctgt	ggctcttcta	accagtgaag	aaaataaaaa	cttttcattg	ctgattgcaa	180
ggcctgaact	ccagctggat	gagggctgga	tggatgatga	caggaacgac	tttctggtgt	240
tggatgtcaa	tgatgatttt	tctgaggaag	taaccaaaca	agaagacctc	atgagagagg	300
taaacacctt	tgtaaagaat	ctgtaaccaa	taccatgatg	ttcaggctgt	gatctgggct	360
ccctgacttt	ctgaagctag	aaaaatgtng	tgtctnccaa	ccacctttcc	atccccagcc	420
ctctcatccc	ctggagcact	ctgccgctca	agagctgggt	tgtaatttat	ngttagactt	480
tgccattggt	ttcttttgc	ctgaagcatt	ttgaaaataa	agttacttaa	gttaaaaaaa	540
accaaanaaa	nactcgagcc	tctanaacta	tagtgagtcn	attacgtnga	tccaganttg	600
atnagaaaca	ttggttagtt	nggnaaccac	aacttgaatg	ccnccgaaaa	aangccttat	660
ttggtaaaat	tgtgangcna	ttggttttatt	cgtaaccttt	ttaaccggcn	ttnacaagtt	720
aaccacnacc	attgctttta	ttttatgggt	tagggtcncg	gg		762

<210> 4099
 <211> 818
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(818)
 <223> n = A,T,C or G

<400> 4099
 tgnnnnnnttn anaancagct cttgttttnn agcangatcc ctcgattcga attcggcacg 60
 agcagccttg gtgacagagc gagaccctgt ctctaaaaa taaataaata aaatattgtg 120
 agtctctgat ggggagcagt attgcatggt ggttgagaac tgaggctctg atgttagaac 180
 tggattctga cttaaccac tgtttgccca catcttgage cttggtttcc ctatctgtaa 240
 aatggcagta ttctcgggct ggctgaggaa aggaaatgag gccaggcgcg gtggctcagg 300
 cctgtaatcc cagcactttg gcaggtgag gcaggtggat gatttgaggc caggagtgtg 360
 agatcagcct gaccaacatg gcaaaccccc gcgtccacta aaaatagaaa aaaatagctg 420
 ggcatgggtg tgacccctg tagtctcagc tacttgggag acagaancag gagaattggg 480
 tgaacttgga aggtggagggt tgcantgagc tgagatcgca ccactgnact ccatcctggg 540
 cgacagagca agactgtctc aaaataaata aatnaataaa taaatnaagt tcaaaaaaaa 600
 aaaaaaaac tcgagcctnt aaaactatta ntgagtcgta tnacgtagat ccagacatg 660
 ataaaaatac catttgatga agtttgggac caaaccccn ccttggaatt gccggtggna 720
 aaaaaaatgc cttttttttg gggnaaaatt tggggangcc ttttgctttt aattttgtaa 780
 acccattnt taaagcttg ccaataaaacc aanattna 818

<210> 4100
 <211> 821
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(821)
 <223> n = A,T,C or G

<400> 4100
 aanncnngct actngttctt tttgcaggac ccategattc gaattcggca cgagatccaa 60
 ctgtggcttc tcccaggacc attacatttg tatctaaata cctacttgac atcttctttt 120
 ggataactgaa taaagatctt gaacaaacaa ataaaaacag taggttggtg atgcatgtta 180
 ctttgcccaa tagatatatt ctatcagaat gtgatttgta tatataatat gtttacatat 240
 taaattttga ttcaattaaa attctccaca ggggagattc tgtggtaagt tctttcgtaa 300
 atgaagtaat tattctagtg atttaagttc atgttacttg tactttatgc tttattattg 360
 atgtgttatt atgcagtatg cttatttggtg ttttattctt atgttattta ctcttgtttc 420
 tgattgatct ttcatagaagc tcctaatact ctgtccatag aagcacagct ataataat 480
 ttacatatgt aaggaagact acaaatatatt cttcttttga ttcatttttg gtgattatct 540
 ccttggcaga cataaaagac tgatgtgggt tggctgtgtc cccacccaaa tcttgaattg 600
 tagctcctct aattctcacg tgcctggga gggaccagc gggaggtaac tgaatcatgg 660
 gggcaggtct tcccattgct gttctcctga tagtgaataa gtctcacgag atatgatggt 720
 ttaggaatgg ggagttcccc tgggcatgct ctctctcttg cctgccacct gtagacgtga 780
 ctttgctctt ctttcgtttn tgccaagatt gngaggcct c 821

<210> 4101
 <211> 818
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (818)
 <223> n = A,T,C or G

<400> 4101
 tgnnnnnnttn anaancagct cttgttttnn agcangatcc ctcgattcga attcggcacg 60
 agcagccttg gtgacagagc gagaccctgt ctctaaaaaa taaataaata aaatattgtg 120
 agtctctgat ggggagcagt attgcatggt ggttgagaac tgaggctctg atgttagaac 180
 tggattctga cttaaccacac tgtttgccca catcttgagc cttggtttcc ctatctgtaa 240
 aatggcagta ttctcgggct ggctgaggaa aggaaatgag gccaggcgcg gtggctcagg 300
 cctgtaatcc cagcactttg gcaggctgag gcagggtggat gatttgaggc caggagtgtg 360
 agatcagcct gaccaacatg gcaaaccccc gcgtccacta aaaatagaaa aaaatagctg 420
 ggcattggtg tgcacccctg tagtctcagc tacttgggag acagaancag gagaattggt 480
 tgaacttgga aggtggagggt tgcantgagc tgagatcgca ccactgnact ccactcctggg 540
 cgacagagca agactgtctc aaaataaata aatnaataaa taaatnaagt tcaaaaaaaa 600
 aaaaaaaac tcgagcctnt aaaactatta ntgagtcgta tnacgtagat ccagacatg 660
 ataaaaatac catcttgatga agtttgggac caaaccccn ccttgggaatt gccggtggna 720
 aaaaaaatgc cttttttttg gggnaaaatt tgggggagcc ttttgctttt aattttgtaa 780
 acccatttnt taaagcttgc caataaaacc aanattna 818

<210> 4102
 <211> 845
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (845)
 <223> n = A,T,C or G

<400> 4102
 gnnnnnnnnnn tttntataga tacagctact tgttcttttt gcagggatcc ctcgattcga 60
 attcggcacg aggatacatc caaatattat tcatgttata gtaaatcaga tgaagccttg 120
 agcttctcag cagccacgta aggcttaaat atgagggaac aggggctctt agaagtgaag 180
 tgacttctga aagatgcaca gagaattagg aaagagtctg aattcaaccc tggaaacctg 240
 actttcagggt gagtgcctgg cccactaaag aatgacaaa ccatggggag tggcatggaa 300
 agcatgagct ttggagttag acaggcctgg gtgtgaatcc tggtcacccc agttctgtta 360
 aagacctcag aaaagttacc tagcttcatt aagcctgttt cttcagccaa aaattaatgg 420
 tgtaacgct tacctctcag gatgggggtc acaaataaat agaacgacat aaagtacata 480
 atacatcaat cagttaggat gtatttggct acaggcaaaa gaacagccct cctcaactgg 540
 cttaaccaac aattaaccta ttatcttaca taaaaggagg tctagaagta gggatgttcc 600
 aggtttggct aatccagcag ctcaaccatg tcaacacaga ccgggttttc tctgtcttgc 660
 ctttttgcca ttctcagtgc ttctatgggc tccctttatg cttgcaatat gccagctgca 720
 gcttcagaca tcaacttntc acatacctat gtccagagca gaagaaggac atttctcctt 780
 gngcatttct actggagact aaattttcct gcctggcaaa aaaaaaaaaa aaaaaactcg 840
 nncn 845

<210> 4103
 <211> 830
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (830)

<223> n = A,T,C or G

<400> 4103

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tactgagttc	tcacaagtcc	tgtttgtttt	ataaggggct	tttccccctt	ttgctcaaca	120
cttcttcctg	ccatcatgtg	aagaaggacg	tgtttgtttc	cccttctgcc	acgattgtaa	180
gtttcctgag	gccttcccag	ctatgtggaa	ctgtgagtta	attaaacctc	tttcttttat	240
aaattaccca	gtcatgggca	gtcctttaca	gcagcatgag	aatggactaa	tacactcctc	300
aatgtttttg	aagattgttg	caccttggaa	ctaccagtgt	gcacacaatc	tggctcaatg	360
tatatattgg	cccagcaagg	caaagaactg	aagttccagg	atggaagaac	ctgtgttctc	420
ctcataatag	tatagaataa	ttcaagatag	gcaagaagga	cagcagtaaa	tgaagaccat	480
ggaagaaaag	aaggaatgcc	aaagatcgag	gaaatctacc	aagactagta	gggtagtcca	540
gaagaagctg	tttcagggcc	tgttgccagc	tatgcctttg	agaacctcgg	gatcccaaag	600
aatgagggga	atttcttcag	aaagacaatc	tgggcatgca	ttatttcttt	ggtttgaaga	660
ttcactcatg	ttgcatgcat	ctgtagcttg	tgcctttttt	attgcctagt	agtattctgg	720
catatgccta	tcttacaatt	tgattatcta	ttcacctgtt	ggatgaatgt	ttgaattttt	780
tccatttgag	gaatttatga	ataaagctgc	tnttagcatg	aaaaaaaaaa		830

<210> 4104

<211> 844

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (844)

<223> n = A,T,C or G

<400> 4104

nnnnnnnnnn	ttntnaanat	acagctactt	gttctttttg	caggatccca	tcgattcgga	60
gaatcatgac	tgctggctga	agcctgcata	tttgggtaaa	cagggcaatt	aattcccaga	120
gaacaaggac	atcatggata	gttaaggcaa	ccagataggt	gcttatcctc	taggtctcca	180
tccaaaatgg	agtaatgaca	cctactttcg	tgttttaaga	tttaaaccga	gtaacatatg	240
taaagtgcag	agtctgatgt	tcgagtcac	aacgatgtaa	ataatgcaaa	accagtggat	300
tactcatgct	taatttatat	tttacttggg	aatttatttc	ctttttcttg	gttatctctc	360
taaataaggt	aactttttta	tacattttct	ttttatatgt	atttattctt	ttttttttgt	420
gacggggtct	cactctgtca	ccaaggctga	aatgcagtgg	tgcatctca	gctcactgca	480
acctccactt	tccaggetca	agtaattctc	cagctactca	ggaggctgag	gcaggagaat	540
cgcttgaaact	cgggagatgg	aggttgcaact	ccgtctggat	catgccactg	cactccagcc	600
tggytgacaa	agcaagactg	tcttaagact	acaaaacaaa	actacaaacc	aatttgtttt	660
aaagcatgtt	ttttctctgg	taaaagaact	tncagtgagt	aacacaggac	ataaattttac	720
tatggtaatt	aagtcgtttt	tatcanatgg	nattattaag	ttgggttttat	caagtgggnat	780
taaaggattc	atttgtttac	agtattattc	aacacnaatn	ggaggataat	tacaattcct	840
tatt						844

<210> 4105

<211> 881

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (881)

<223> n = A,T,C or G

<400> 4105

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gnagngtcnn ntttctaatag ctgganactc gttctttttg caggacccat cgattcgaat      60
tcggcacgag ggtacacgaa gaggtgataa tgacagccac caaggagatt tggagcccat      120
tttagaggca tctgttctat cttcccatca taaaaaaagc tctgaggaac atgaatacag      180
tgatgaagct cctcaggaag atgagggcct tatgggcatg tccccctctct tacaagccca      240
tcatgctatg gaaaaaatgg aagaatttgt ttgtaaggta tgggaagggtc ggtggcgagt      300
gatccctcat gatgtactac cagactggct caaggataat gacttcctct tgcattggaca      360
ccggcctcct atgccttctt tccgggcctg ttttaagagc attttcagaa tacacacaga      420
aacaggcaac atttggacac atctcttagg ttgtgtattc ttctgtgccc tggggatctt      480
ttatatgttt cgcccaaata tctcctttgt ggccccctctg caagagaagg tggctcttgg      540
attatttttc ttaggagcca ttctctgcct ttctttntca tggctcttcc acacagtcta      600
ctgccactca naggggggtct ctcggctntt tctctaagta agtatctgta aagtncatat      660
ttttggccaa tgattnanag gttagtgcnt taggggaaaa aacattcncc canantttgg      720
catgaattct ttaataatna ttctaatacnc cnccttnann ttttnaaaaa aanttttnna      780
cacnaaaccc cagatttgnc ttntttaanc atttnnttnn atttnncnnan agancnccca      840
agntataaat tcggggaana cnaaaatngg ttcaatttnn t                                881

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<210> 4106

<211> 831

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(831)

<223> n = A,T,C or G

<400> 4106

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tttnnatata gctcttgctt tttttgcagg gatcccatcg attcgaaaag gtgaatgcag      60
aggcctggcc cagaccccgag ccctgtgtgt caatacaact tttcacgttg ttacatacac      120
attttccagt ctgtgtctcc ctctgaaaga aaccctgaaa ttcaggttgc taatagattg      180
ttggttgcaa gtatgaagga cagaggagggt aagagaggag gcaacttgct aatgcaaaaag      240
cagtgtactg aaagtcaact ttatttctta tttataatct acatgcacac tctggataat      300
agatgacact gctcattcag tactttaact tcaaagcaga gagaagccat ggatgacaga      360
gccgggagcg ggaatacaaaa ggtactaaca acaagaggaa aaatgcctgt ttacgggatt      420
gcatttggtt gcaagctctc ttcagatatt gttccccag gaatagcgaa aatatgtgca      480
gcgcgaacaa tgatttaaca tctgaaaatg gtacttaaaag agtttctgtc tggtagtaat      540
gtgatggagg cttctgaagg gaacctgggg acttcatttc ttctatttat ctatatgtct      600
ctctggtttt agtgagcggg aattgcatat ttaacccctc aaatagcttt aaccctnacg      660
atgccacttt ttaccctgta taaaatgtac ttttatccca gcaaaggcag actcagaaat      720
tnccttacc caaaaattat ttaaaaaaaa aaaaaaaaaa cttcgagcct tttanaactn      780
tngtgagtcc gnnttacgta gatccngacc ttgatnagga tccattgatg n                                831

```

<210> 4107

<211> 848

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(848)

<223> n = A,T,C or G

<400> 4107

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gnnnnnnnnn ttttnaactt tgctaatnct tggctactcg ttctttttgc aggacccatc      60
gattcgaatt cggcacgagg cctctgtcct gaacttttta acccggtgcc acaacccgag      120
ggtctccata ggggcaggta aacggggatt ttaatcattt taagtgtctt agaatgatat      180

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tttgggaaaa	agcactcctt	ttcctaagga	ctgcgactcg	gtgaacagaa	aggaggctat	240
gcggtgtggc	cagccaactc	aaggaggacg	aagcaacctt	tgcctctaaa	ctgcctggaa	300
ccaaatgtcg	atTTTTctga	cccctcccag	ggagtgtgta	gtagtgatgg	tgtctggagg	360
gtcaaatacca	ttcccaatgg	caaaggttcc	tcaccactcc	ccaccgctac	aactccaaaa	420
ccactcatcc	cagtgtttgg	ggcactgtgt	tcctcttcgt	ccctgcacca	gaccttgga	480
gccttggcca	gagacctcac	cagactcgac	ttgcggcgct	gggccagctt	catggatgct	540
ggagtggagc	acgatgacgt	agcagagctg	ctgcaggagc	tacaaagcct	ggcccagtc	600
taccaggggtg	gtgacagcct	cgtggactaa	agttcccagt	gtgggagaaa	ggagctagtt	660
tgcaataaaa	acagctggat	gcaaaaagcc	tctagaacta	tagtgagtcc	gtattacgta	720
gatcagacat	gatnagatac	attgatgant	ttggacaaac	cccactngga	atgcantnga	780
aaaaaatgct	ttatttgtga	aatttgtgat	gctattgctt	tattgtaacc	attattaagc	840
tgcaatan						848

<210> 4108

<211> 849

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (849)

<223> n = A,T,C or G

<400> 4108

gnnnnnnnnnn	tttnaacctt	nctaatnctg	gctactngtt	ctttttgcag	gatccctcga	60
ttcgaaattcg	gcacgagaga	aaccagnatc	acacaggaat	gactgggatt	ttaggcctgg	120
aatgtacctt	taaaattatc	ttattacaca	ccatccttca	tttttctcat	tttcctcttt	180
tgggattcat	atattaagta	ttagggcatt	aaaacacaac	tgtatatata	aagaaaaata	240
taaagtaacc	acacatgctc	agggaaagac	acaggctcag	aaaatgcctg	agaagaactt	300
agtttcacac	cccaggctga	tcctaagcac	cgagacagcc	tacaacaatc	caaaaaacaa	360
aaacaataaaa	taaaaagtaa	caaacaacag	caaacctaa	agaatgacga	aaatataatt	420
tccagaatta	ccactttatt	agagtcaaat	gtccagtttt	taataaaaact	cagaagcata	480
caaagaaaca	ggaaattatg	gcccatacaa	ggatcaaagg	aaaaaaaaat	gaatggaaac	540
tgtactgaaa	aagacatgat	ggcagatata	ctagaaaaat	actttaaaat	actgtcttaa	600
tgatgcttta	aaaactagag	gaagatgtgg	aggaaagtcaa	gaaaatgatg	tacaaacaaa	660
acagcaatat	caataaggag	gtagaaaact	ttaaaaggaa	acaaaaaaat	tctagagtgg	720
aaaagtncaa	tactgaaata	aaatattact	agtaggattg	aagtcatggt	tggaataggc	780
aaaaaaaaaa	annnnnnnnn	nnntnnaaaa	aaaaactngg	cctttttaa	cttnggggtc	840
ngtttacct						849

<210> 4109

<211> 835

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (835)

<223> n = A,T,C or G

<400> 4109

tannccngct	cttgttcttt	ttgcaggatc	ccatcgatcc	ggtttggcag	tctctgaaaa	60
tatatacctg	ccatatgac	cagccagttc	actgtacct	agtttcccaa	aagaaatgaa	120
aatatatgta	tatgtgaata	ctcatatact	aatattcata	gcagctttgt	ttgtaatgga	180
caaaacaacc	caaatgtcca	tcaacgttgg	aatggaaaca	acccaaatgt	caatcaacaa	240
gtgaataaac	aaaatgtgct	atacgtatat	aatggaatac	tactcagcaa	taaaaaggaa	300

tgaaaggaat	gaactaatga	tgcatgcaac	agcatggata	catctcaaaa	taattatgct	360
gaatgaaaga	agccagacag	caaaaaatttc	ctactgagtg	attccattta	tataaaaaatc	420
tagagaatgc	caattagcct	ttagtgaaat	aaagcagaac	agtaattgcc	tgtgacaggg	480
tgggaaagat	ttggactgga	agcagggatt	accaagaggg	gtgagaaaac	ttttgaaggt	540
gatgaatatg	tacattgtct	tcattgcttt	ggatggnttt	tccaggggtg	atattgtaat	600
ttcaaaaaat	gatcaaaatt	tntacacttt	taaaatantg	gttcaagttt	tattttttat	660
attgaaataa	aaggctggat	taaaaatggc	ccnaaanann	annanactnt	tnantntntn	720
nncnctntnn	tnncnnnnnn	ntcntnnnnn	nntntntntn	nnnnnnccn	gnccttntt	780
aaaaantttt	gnnggggggnc	gntttttccn	tngaaccccc	cnctttgttt	tanct	835

<210> 4110
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (772)
 <223> n = A,T,C or G

<400> 4110						
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ctgggcctgn	gttttnanctg	gnatnngatn	ctcaatcctt	nttgttcaaa	ttttnaagtc	120
cagaaagctc	tgaaaactga	aagttttttc	ataatttatt	tcactgtaaa	acctgaattg	180
aactgatatt	tatctcacta	aaaatgagta	ttcatatatt	gnactgtang	aatngtaaaa	240
ttaccaagta	ntancccgaga	cctagttaga	taaatgcacn	attngctttt	aattncaaaa	300
aaatcttaan	tctgaggcac	at ttggctga	cagcatttca	gatnagggat	tttgaacctc	360
taattcaatg	atgtngataa	atatcaccac	ttctactacc	attgtctatt	actgaacact	420
taccatgggc	caggtacaga	gaaggaattg	acctaataag	ctnttcggnc	cntananagc	480
tntaaaaggc	aggtcctttt	attgacgtca	ttttattgct	ggtcacccaa	gtggcaaggc	540
tgggctgata	cattgggtcaa	gttatgactg	ccgtgctcct	ncccaaaact	taangcagaa	600
ntctcagtgc	agatgatcct	ggacttacca	aggggggttat	nctaaatnga	ataagaactg	660
ggcctaaaat	tgggaaanat	tggtaaggcc	ttttaatacc	atnttaacca	tcttagcttt	720
gncttaacct	acccttaaan	ngtgccctcaa	ggacacttac	atttaccgna	cc	772

<210> 4111
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (790)
 <223> n = A,T,C or G

<400> 4111						
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cgaggggacc	tcgatcatga	caggctcatc	agcctgtgcc	tgacccttct	cacgtgaccc	120
cagacatcct	gcaacctggg	gggacattcc	tttgtaaaac	ctgggctgga	agtcaaagcc	180
gtcggttaca	gaggagactg	acagaggaat	tccagaatgt	aaggatcatn	aaacctgaag	240
ccagcaggaa	agagtcatca	gaagtgtact	tcttggccac	acagtaccac	ggaaggaagg	300
gcactgtgaa	gcagtggaga	tttcttggtc	cattttcata	atggtcatta	gctcctttta	360
agctanaaac	gtacctgagc	ttctgaagag	ttcctgggag	atttgagctg	attttggaaa	420
tggagcatga	caagtgggga	gtctctctct	ctctttctct	ctctctcttt	ttaacccaaa	480
agagatgacn	aaactaagtt	cagggggccat	ggaaaatgaa	aaagtccgct	atattgngat	540
ttgggaagaa	gaaagtntnc	angaagaaan	angtgangat	tgaangatng	agaaaaacag	600

acttgttggg	aagggtcana	aaggaattcc	cccgangcaa	gggattggtg	tgccccatttg	660
tgcccttgac	cgggaccttc	atcttattat	actggttaaa	cttgtnanac	cacaaaacag	720
gggttttcca	acccttggtt	ttagaacccc	acgcncacga	tttttccaat	tctttaaagg	780
ggggctggtt						790

<210> 4112
 <211> 775
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(775)
 <223> n = A,T,C or G

<400> 4112						
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ggcacgagga	aagctcatta	ccagtaggac	ataatttttg	gctctcccta	ttcacaacca	120
gtgcacagtt	tgacacagtg	gcctcagggt	cacagtgcac	catgtcactg	tgctatccta	180
cgaaatcatt	tgtttctaag	ttgtgtttat	tcctggagtg	acatgccacc	ccgaatggct	240
cactttcact	gaggatgctg	tcctctgatt	tagctgctgc	ctccagcctc	tggttgaga	300
acttactaaa	ggcacttctc	tcctgttaaa	cccctgttaa	ctctccataa	atttggtgat	360
tctctgctag	gcctaagatt	ttgagttaac	atctcttgaa	gccaaactcc	accttctgtg	420
ctttttgctt	gggataatgg	agtttttctt	tagaaacagt	gccaaagaatg	acnagatntt	480
taaaaaaaga	aaggaaggaa	aaaaaaaaacn	cttcttttta	aagaaattcc	ctaccngatt	540
tttaatatag	gtnatcttac	cactttcttt	tctagtttct	tggatttttna	gcttaggctg	600
cattctaacc	tcatactgng	naanacccaaa	ggtgggtttt	ngattcanna	aattttttga	660
aaatctgcat	aagccttaaa	tttggtaaaa	aattaangaa	aaattccttt	aaaaaaaaaa	720
tannnnnnnn	naaaaaaaaa	aacctgnggc	ctttanaact	ttgngagtcn	tttcc	775

<210> 4113
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 4113						
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gagtgggaagg	agcagcagtc	ttgcaaggaa	gcagggcaga	gacacagccc	atggcccctc	180
actgccctgc	tggaagggct	gatggagctc	cccgcagcat	ggttcctgcc	tgggtgacag	240
aggctcctgt	ggccacttta	gaagtgcggt	ttactcctca	tgccgagatg	gaccttgggc	300
agctcagttc	acaagatggt	ggtcaggcgt	catttaaata	ttttcagtca	gcagagggaag	360
caaagcgtgc	cattgaggct	gtgctgtcag	cggatcctcg	gtctgtgtac	cgccggaagc	420
tttgccagga	ccgccttttc	tactttactg	tagacatagc	gcatgtcact	tgctggtttg	480
gtgatggctt	tgcaagggtg	ctgaggatca	agccggcttc	tgagcctgtt	catatgactg	540
gccctgtggg	gtccttggtg	tctctggggg	cttaaggacc	tncctcatgt	ctttaaggta	600
gcatcattga	tctttggatg	tggctttttg	gatttcttga	acaagctaat	gttggtgcaa	660
gaagcaacac	ttttgtgaat	ctcattggct	ttgattggat	ttgggcttgt	tcaaaaatgt	720
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<210> 4114

<211> 704
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n = A,T,C or G

<400> 4114
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 gcacgagggt acccagtagg tategttgga aacaacggag ttctcttttc tgaatctgca 120
 aaaaagggtta ctacttttgt ccagttatgc tgccaaagaa atattcctct gctgttcctt 180
 caaaacatta ctggatttat ggttggtaga gagtatgaag ctgaaggaaat tgccaaggat 240
 ggtgccaaga tgggtggccgc tgtggcctgt gcccaagtgc ctaagataac cctcatcatt 300
 gggggctcct atggagccgg aaactatggg atgtgtggca gagcgtatag cccaagattt 360
 ctctacattt ggccaaatgc tcgtatctca gtgatgggag gagagcaggc agccaatgtg 420
 ttggccacga taacaaagga ccaaagagcc cgggaaggaa agcanttctt catgctgatt 480
 aaaccgnttt taaaaaaacc ttctttaaaa ntttgaagag gaaggaaccc tactntccag 540
 ccaaggatg ggatgatggg atcattgtcc acagacncag actgtcttgg tctngtttag 600
 tgcacctnac cccatngaga gatgntcgtt cttagatgta ctggataagn gttctgtgaa 660
 tntctgaatac ctgngtanct aaattaactt cnctagtgtc anat 704

<210> 4115
 <211> 758
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(758)
 <223> n = A,T,C or G

<400> 4115
 gttnnnntttc aattgnttag gctctcggtt cttntngcag gatcccatcg attcgtttca 60
 gcttttcgtta ccagcaggag ctggaggagg aaatcaagga attatatgag aactttctgca 120
 agcacaatgg tagcaagaac gtcttcagca ccttecgaac ccctgcagtg ctgttcacgg 180
 gcattgtagc tttgtacata gcctcaggcc tcactggctt cataggtctt gaggtttag 240
 cccagttgtt caactgtatg gttggactac tgtaaatagc actcctcacc tggggctaca 300
 tcaggttatc tgggtcaatat cgtgagctgg gcggagctat tgatttttgg gccgcatatg 360
 tggtggagca ggcttcttct catatcggta attccactca ggccactgtg agggatgcag 420
 ttgttggaag accatccatg gataaaaagc tcaatagcat ctttaacgtg aaaatnaaac 480
 cagaacncna nnaaggcctt tanggatttc ngggtttttg cccacggcca caggttcatt 540
 tccagaggaa tgcaaaactg anacnatcca ggaagagcta aaacatggcc ctgtaataaa 600
 tgaccagacc tttcctgngg ttcaaattnt taacacactt cctttctttt gggaaaaaaa 660
 aannnnnnnn antnnnnntt nnaaaaaaaa aaacttgacc tttaaactnn aggatctttt 720
 actnantcca acttgntaga nccatggtta gttgggna 758

<210> 4116
 <211> 869
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(869)

<223> n = A,T,C or G

<400> 4116

ggnnnnntnn	nntttgaaac	cttnggctac	ttgttctttt	tgcaggatcc	catcgattcg	60
aattcggcac	gaggtcaacc	tctaccacgt	gcgggaggat	ggctggatcc	nagtctccag	120
ngacaatgtg	gctgatctac	atganaagna	tantggctct	acccctgaa	agagggtgga	180
tgcanctgct	tgtgtatntt	ggggtgactg	tcattggtaa	tacggacaca	gtgacccatc	240
ctccatncta	tttatagnn	aagggccttc	antngtatca	gtacttgatt	tnaagctctg	300
gcacattgac	ctntatgtgt	taccagtcac	taatgagctg	ntgcacgagg	tgactattng	360
ttanactntc	ttagcatgtt	aacattacac	tnctcactac	tcatananaa	gnntnnnnan	420
aacttgagnc	ctttaaaaaac	ttttaagtna	gtcannatth	ccgttngatt	ccaatanctt	480
ngaatnaaga	atnccttttg	gntnaattht	tggaaatcaa	acttcctacc	tttgnaaatt	540
nncnntgtgg	aaanantaaa	atntgcttta	aaatthtng	ttgaaaattc	ttggggggaa	600
ncgatttttt	nmgncttttn	aannngnggg	ttacccctt	tnattannnt	cttnaaatan	660
ttnccaaann	ttttaaccct	caaccttht	ggntthtan	ttthtaagng	gttncatgnt	720
aaaangtnaa	atntthtgt	anngnttht	thntccagnt	nccnngngtt	cttnanaaat	780
ttngcccnnn	gtgtcnacaa	nntthtthtgn	thncntaatt	tatnggnngt	thntthnccn	840
ctnttgctcat	aaaatagngt	taanctgnn				869

<210> 4117

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(817)

<223> n = A,T,C or G

<400> 4117

ggtnnnnttt	ttnnnttaca	gctacttggt	ctthttgcag	gatcccatcg	attcgaattc	60
ggcacgagga	gatgctgaag	gaaattatag	ccagaggaaa	thtttagactg	cagaatataa	120
ttggcagaaa	aatgggccta	gaatgtgtag	atattctcag	cgaactcttt	cgaaggggac	180
tcagacatgt	cttagcaact	atthtagcac	aactcagtga	catggactta	atcaatgtgt	240
ctaaagttag	cacaacttgg	aagaagatcc	tagaagatga	taagggggca	ttccagttgt	300
acagtaaagc	aatacaaaga	gttaccgaaa	acaacaataa	atthtcacct	catgcttcaa	360
ccagagaata	tgthtatgttc	agaacccac	tggcttctgt	tcagaaatca	gcagcccaga	420
cttctctcaa	aaaagatgct	caaaccaagt	tatccaatca	aggtgatcag	aaanggtcta	480
cttattgtcc	gacaccatng	aantthtttg	agggttgcna	aanaccattg	aaaaaagaac	540
naaaagcctt	aaaagccctg	thttcncttg	taaatthcacc	tgcaaaaata	tggtattggct	600
thttaccaac	ngggcaaccc	tggtcaaacn	aaaaaggctt	gtgggnattt	ggaattattt	660
ggtncggaaa	atngtctcnt	ggtaantht	tcattactta	cttnaaagaa	ctggthtcaa	720
aaatnggcaa	gcnttccttn	aaaagccag	thtgthtaaaa	aatanggtcc	cccttgnctt	780
ggttccaaaa	nnaaaaggcc	nnaanggaan	thtccnn			817

<210> 4118

<211> 861

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(861)

<223> n = A,T,C or G

<400> 4118

```

gntnnnnnnt tgtntncata caggctactt gttctttttg caggatccca tcgattcgaa      60
ttcggcacga gccgggttcc tcatcaacct cattgactcc cccgggcacg tcgacttctc      120
ctcggaggtg actgctgccc tccgagtcac cgatggcgca ttggtggtgg tggactgcgt      180
gtcaggcgtg tgcgtgcaga cggagacagt gctgcggcag gccattgccg agcgtatcaa      240
gcctgtgctg atgatgaaca agatggaccg cgcctgctg gagctgcagc tggagcccga      300
ggagctctac cagactttcc agcgcatcgt ggagaacgtg aacgtcatca tctccaccta      360
cggcgagggc gagagcggcc ccatgggcaa catcatgate gatcctgtcc tcggtaccgt      420
gggctttggg tctggcctnc acgggtgggc cttaccctga agcaatttgc cnaanatgta      480
tgtngcccaa tttngccgnc caagggggga aagggcccan ttngggggccc tgcnaaaacn      540
gggcccanaa aaaggttnan ggaccattga attnaaaaaa aaccttttgg ggggttgaac      600
aagggtnect ttttggacc ccaancccca aacggggcaa aggttttnaa ncnaagggtt      660
naagcccaac ccaaaccccc ccnaaaagg gnaaanaaaa cttggccaan gccaacnntt      720
ttttggccaa acttggaaac cttgggaanc cccatttttt tnaangggng ttttggatgc      780
cnaaccattg aaattttcaa ggaaaaanaa gaaggccngg gattngggaa aaccccaaaa      840
aatttttttc catttttttt n                                             861

```

<210> 4119

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(851)

<223> n = A,T,C or G

<400> 4119

```

ggtnnnnnnt gtaanntana gctacttggt ctttttgcag gatcccatcg attcgaattc      60
ggcacgagcc tcattatcca ccacgcacag atgggtacagc tggggctgaa caaccacatg      120
tggaaaccaga gagggtccca ggcgcccgag gacaagacgc aggaggcaga atgaccgcgt      180
gtccttgccct gaccacctgg ggaacacccc tggaccacag catcggccag gaccccatag      240
agcaccocgg tctgcctgt gccctgtgga cagtgggaaga tgaggatcat tgcacttttc      300
aggacattgt ccgggagccc ttcatttagg acaaaacggg cgcgatgatg ccctggcttt      360
caggggtggtc agaactggat acgggtgttta caattccaat ctctctatatt ctgggtgaag      420
ggtccttggtg gtgggggtat tgctacggtc ttttaattat aatnaatatt tattggatgc      480
ttnaaaaaaa naaaaaaaa aaacttnngg ncttttttnaa atttttaggg gagtcngtnt      540
tnccntagan tccagacnnt gtttanggat nccattgggt gaanttttgg gaccaaaccc      600
ncaacnttgg aaattgccnn ntggaaaaaa aaantgcctt ttantttggg gnaaantttg      660
ggggaatgcc ttatttggct ttttaatttt gtaaccnntt tttttaaaag ctggcaattt      720
naaccnaggt ttaccnanc caaccaaatt ggcattttca tttttaaang gtttttnang      780
gtttcaaggg gggnaagggt tttgggaaan gttttttttt aaaatttnnn ggggccccnn      840
ggnggccnnc a                                                         851

```

<210> 4120

<211> 848

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(848)

<223> n = A,T,C or G

<400> 4120

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ggtnnnnatt taanntnagc tacttgttct ttttgcagga tcccatcgat tcgaattcgg      60
cacgaggunc ctgcaagggc tgggtgtgaa acaagcannn tngntgcntg aagcaaaagt      120

```

nanacngngg	tgtnnactgt	tgatgtgacc	ccacaaagtg	tnggaaccgc	catcaaggcn	180
nggntagctn	gggcactgtg	gancggaccc	anaattncnn	nggntccttc	naactgnang	240
atcctaccna	ggtnaccenn	ggatngngct	tntntaatnc	nntttgtgcn	acccnaata	300
gcnnagatec	gaaaganatg	tgccatgtng	ancaggtgct	gtnaaagaag	actgcttcng	360
ctccctgncc	ttttgacctc	ccngagtga	aacatgtagc	aacacgnntn	ccatagaata	420
caaggctcca	gntgaagaaa	aagaaacggg	ntctgggtcag	naacaatcag	nttcctnttc	480
ttggangatt	cccctntnt	aatnaaaagc	cctnattna	nttttnnang	cnttnaattt	540
tttacncctn	caatntttgg	tttgcntaan	atgctttttc	aaggtttgan	aaccctttaa	600
anggggggtt	tttttnaaaa	tggactttct	tntgggattt	tnagggtttt	antttggctt	660
anttnaaaaa	aaaagntaac	caaaaaccgt	ttncctgnaa	aaagaanggt	nnacccttta	720
aatnggatnt	tgggcccttt	aancctttca	atgttccang	gnttacctna	cttttangtt	780
ntntcccaaa	aaaanggttn	ctaangtntn	ccttatgttg	actnnaanaa	cccnaattga	840
acttttnn						848

<210> 4121

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (756)

<223> n = A,T,C or G

<400> 4121

gmnntttcaa	tcanagctc	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	60
gagtacatat	ttgtcataat	tacaataaaa	tacaaagagc	tattttggaa	ctgggcaagc	120
tgtttctaaa	tgtatatgga	aaaataaaaa	tgctctccaa	aaatccctgc	agagggaaac	180
tagcccttcc	agatataaaa	tatattatag	aactgtgtaa	ttaaagcaat	atggtactgg	240
tccataaaag	aacataaaac	caaatagttc	agtagactca	aaatgcaagc	gttgggtgagg	300
gtatggagaa	aagggaaccc	ttttacactt	ggtgtgaatg	taaattagta	cagacattgt	360
ggaaaacagt	ttgtagagct	tcctcaataa	aaacacatat	gatccagcaa	tcccactact	420
gggtatatat	ccaaaggaaa	tgaatcagt	atgttgaaga	gataactnca	cgttctactgg	480
aaccttgntc	acattggcca	gnacttaaac	ctaaagggtc	catnaaccgg	aagatagata	540
gggctgaccg	cgggtggccca	cgcctgtaat	cccagcactt	tgggaggcca	aggcagggtg	600
atcatttgag	gtcagaagtt	tttgaccagc	cttggccaac	atgatgaacc	ccgtntttct	660
aaatttccaa	aaattagctg	ggcgtatggt	gggcacctgt	nttcccagtt	ctcggaggct	720
nangcaggan	aatgctgacc	cagggaacga	cttgnt			756

<210> 4122

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 4122

ggtnnnntt	gnaatcgana	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	60
ggcacgagga	aagctcatta	ccagtaggac	ataatttttg	gctctcccta	ttcacaacca	120
gtgcacagtt	tgacacagtg	gcctcagggt	cacagtgcac	catgtcactg	tgctatccta	180
cgaaatcatt	tgtttctaag	ttgtgtttat	tcctggagtg	acatgccacc	ccgaatggct	240
cacttttact	gaggatgctg	tcctctgatt	tagctgctgc	ctccagcctc	tggttgaga	300
acttactaaa	ggcacttctc	tcctgttaaa	ccctgttaa	ctctccataa	atttggtgat	360

tctctgctag	gcctaagatt	ttgagttaac	atctcttgaa	gccaaactcc	accttctgtg	420
ctttttgctt	gggataatgg	agtttttctt	tagaaacagt	gccaagaatg	acnagatntt	480
taaaaaaaga	aaggaaggaa	aaaaaaaaacn	cttcctttta	aagaaattcc	ctaccngatt	540
tttaatatag	gtnatcttac	cacttttctt	tctagtttct	tggatttttna	gcttaggctg	600
cattctaacc	tcatactgng	naanaccaaa	ggtggttttt	ngattcanna	aattttttga	660
aaatctgcat	aagccttaaa	tttggtaaaa	aattaangaa	aaattccttt	aaaaaaaaaa	720
tannnnnnnn	naaaaaaaaa	aacctgnggc	ctttanaact	ttgngagtcn	tttcc	775

<210> 4123

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (770)

<223> n = A,T,C or G

<400> 4123

gnnttcaaat	cgatagctac	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	60
gagggccggt	gggcgagatg	aagctacact	gtgaggtgga	ggtgatcagc	cggcacttgc	120
ccgctttggg	gcttaggaac	cggggcaagg	gcgtccgagc	cgtgttgagc	ctctgtcagc	180
agacttccag	gagtcagccg	ccggtccgag	ccttcctgct	catctccacc	ctgaaggaca	240
agcgcgggac	ccgctatgag	ctaagggaga	acattgagca	attcttcacc	aaatttgtag	300
atgaggggaa	agccactggt	cggttaaagg	agcctcctgt	ggatatctgt	ctaagtaagg	360
attccatatg	gctctcatat	cattccattc	catctctgcc	aagatttgga	taccgcaaaa	420
atttgtgttt	gtggaagatt	ctgctgaact	ctttcattca	agggactact	tccattgaat	480
ttggattntg	tttgccccac	attgggggtc	ttantanana	atttgggggtg	gnncntgaag	540
cacctattaac	tctcttaatt	tctggttctc	ttangctggt	tatgttaaata	tcctccgata	600
tgttaaaagt	aatgggtgag	accagaaaaa	gaaatttcaa	ttaccagatc	antttggggt	660
gcattgtatg	attttgcacc	ntcaaaatgg	aattanggga	agaattctgg	ntcttgcttg	720
gaaagganga	tgtgtntagn	tncccattta	natgactcca	aattttntta		770

<210> 4124

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (707)

<223> n = A,T,C or G

<400> 4124

gntnnnnntt	tgtntncatn	cagctacttg	ttctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	ggaacatcca	gtgcctgcag	gacgtggagc	gctgcctccg	ggacacgggt	120
gtgcagggcg	tcatgagcgc	agagggcaac	ctgcacaacc	ccgccctggt	cgagggccgg	180
agccctgccg	tgtgggagct	ggccgaggag	tatctggaca	tcgtgcggga	gcaccctgc	240
cccctgtcct	acgtccgggc	ccacctcttc	aagctgtggc	accacacgct	gcagggtgcac	300
caggagctgc	gagaggagct	ggccaagggtg	aagaccctgg	aggcatcgcc	tgctgtgagc	360
caggagctga	agctgcgggtg	tcaggaggag	atatccaggc	aggaggggagc	gaaccacccg	420
gcgacttgcc	cttcactgga	tctgccaccc	tacattcggc	cggggcccaa	gganganaac	480
cagganaaag	cagtccccca	aaaagcgggc	cttgnaggaa	aaggangtgg	cacggangtc	540
tgtcttanac	ccnttgcaaa	aggacaataa	tatttaaagt	gaaaaanana	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ngnnntnnan	ntttnnnnnnt	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	707

<210> 4125
 <211> 673
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(673)
 <223> n = A,T,C or G

<400> 4125
 gntnnnnnnnt tttatatata caggctactt gttctttttg caggatccca tcgattcgtg 60
 cttgttcgtt tctgtgtact tgcttagtgg actgtagcaa cacactcagc ttctccagtg 120
 tcaaccacaca ttggctttcc cactctacag tttctgtagg atgcatgttt tcaccattat 180
 caggcttctg cagtgtcag agggcagcaa taccagcaa ccagtgacct gaggccagca 240
 acttctttta cttccccctc agttggattt gtaacagagt atctttggtg ggacacttct 300
 gtgtgaagag attttactag caccctaaag aatggatttc tggcaagttc cacaaggtag 360
 acttccagta agttctgctg gtgcagcact acagcaactt ccgtgctatt cagtgaagag 420
 actgtgttct tcccaacaag gtctggatct cagccctggg atgggtttaag gtcngangaa 480
 gctnttgctt tggggtctg ngnnaanctn agggacttng gnactntnaa nagtctctta 540
 ttcnnatagt naatanctgt tctcaccat gttaatagta gngaccttta taagttcatt 600
 tcaatactgg ggttcttcga tgnttcttct tattagacgt gaaatgtgat gtgattgtat 660
 agnatgntac ata 673

<210> 4126
 <211> 753
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(753)
 <223> n = A,T,C or G

<400> 4126
 gntntnnntt tgtatannta caggctactt gttctttttg caggatccca tcgattcga 60
 gcaatgtttt gtggctttta ttgtacaagc ttttcacctc cttggttaag ttagttctta 120
 agtgtcttat tcttttacgt gctattataa atggaattat tttcataatt tccttttcag 180
 gttgtaatt attagtgtac agacatgcaa ctgatttttg cacattgact ttgccagtga 240
 catgaacctg tatgtagaaa accctaaaga ttgcacaaaa aaaatgggta gcttgagacg 300
 taaaccttag gcaaagagaa gtttgtgatt tgtaagaaat ttaaaaattaa taggattaaa 360
 aagagagctg tgggccttgt tatgtatttg ctttgaagc cctctaagaa aatttcaggt 420
 caatttttta ttctctgccc tactggaatg cccccagatt atgtgacaat gangtcttat 480
 tttaatatgt ncanaatttg gtnanantgg caatnnttg gttcnanatt ttcccatctc 540
 agaaaattnt ngctttttcn ggtgatgtct tatcctcttg ngtgggtccc aagtgaagccc 600
 tgatcctttc agatncattt tatatactct ggtggtgatg aatatttnat ctctggcaaa 660
 tactgnccat gctaattccc tggaggacct nggatncaat attattggaa ttntaaatca 720
 aggttaacct aagtcaaaga gtctnanctg ccc 753

<210> 4127
 <211> 817
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (817)

<223> n = A,T,C or G

<400> 4127

nnntntnnnt	ttntacata	nangetactt	gttctttttg	caggatccca	tcgattcgaa	60
ttcggcacga	ggcgagggcc	tggcccccag	ggcgccaca	ccagaaggtc	ggagaaaggc	120
ccaaggcgga	tgccacgccc	agcagtgggtg	agggacccac	agatttttga	aacgacctgg	180
acacactatt	gggaaggaga	tgtggacggc	ctgtctcctc	ctgcagggcc	caccctaaga	240
atgtattttt	aaacacatga	aataagtatt	tttcactgat	aaaaaaaaaa	aaaaaaaaaa	300
actcgagcct	ctagaactat	agtgaagtcgt	attacgtaga	tccagacatg	ataagataca	360
ttgatgagtt	tggacaaacc	acaactagaa	tgcagtgaaa	aaaatgcttt	atttgtgaaa	420
tttgtgatgc	tattgcttta	tttgaacca	ttataagctg	caataaacia	gttaacaaca	480
acaattgcat	tcattttatg	gtttnaaggt	taaggggag	tttttggaaa	ggtttttaaa	540
ttcnnngccn	nggnccaat	tgcnttgggc	ccggttcccc	aanttttngt	tcccttttat	600
tganggggta	attgcccccc	ttgggcgtna	atcatggggc	ataancttgg	tttccttggg	660
gtgaaaattn	gntattnccg	tttnacaatt	tccacacaaa	nntttncnaa	nccegggaan	720
ccttaaaant	gtnaaaaccc	tggggggtgg	ccctaaatgg	aattgaacct	taacttnaca	780
tttaantggc	ntttnnnnct	tnaattggcc	ccntttt			817

<210> 4128

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (684)

<223> n = A,T,C or G

<400> 4128

agnnnnnnnn	nnttgaanac	nnnagctact	tgttcttttt	gcaggatccc	atcgattcga	60
attcggcacg	aggtaggct	tagaaattat	tttttatcag	cattaagtgc	ttcaatttct	120
ccccataaag	attctaagga	aatttcagtt	cctcatatta	tagttttccc	cataatttaa	180
tattactaag	tatttctctg	cccagtaatg	ttgatgcagt	ttgcataaat	agccttggaa	240
gtaaggaggc	aggacagaaa	gccaaatata	gaaatctctg	gccttgattt	agtgcagtt	300
tattctaattg	gggaccatag	gtgttattag	taaaaagata	gtgtacaagg	cctaagttca	360
gtttacattg	ttctttgaaa	tgagttcatc	ttttgtgttg	aataattgta	ttctaagtag	420
gagatgcctg	tatttaacat	aatcatgctt	tctatataat	caaataatgta	tttgntggaa	480
tactggtaga	aataccttcc	ttcctcnttg	ccanggaaaa	aaaactcccc	attatncngn	540
tataaatagg	aatttgtaca	tattacattt	taaaatttaa	atgcatatat	ttgaaggatg	600
gatatagtct	gagctatgct	gcttaattca	ctcctggacc	gncaatgttt	tatatggctg	660
ctatgctggg	acgngctgat	gnaa				684

<210> 4129

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 4129

acganagcta	cttggtcttt	ttgcaggatc	ccatcgattc	gnnnctannt	cgagaagagg	60
tntggtnacc	tnctgntgcn	cncnctgggc	tggacggnaa	gangactnnt	nnntcnangg	120

ngngnnnnngc	ggcacaccng	gtatttganc	atgcattatc	tncacacact	gtgcagcatc	180
ctttggagag	cacaacgcat	ggaaaggcca	tnnnnnntnt	ganttgccat	ntcnntngcg	240
ngtcntccta	cccaagtaaa	agntaccttg	gcnatnntac	cnccgntttt	ntcactcncn	300
aggacntatt	acctnggggtg	cntnnaacgt	aatcnnttac	tnnnnctcat	tctnacnnnn	360
nttggaacca	tngncttgct	gncacaccta	tgaagnactg	tttcacagcn	ctttcacttc	420
ctacnaagg	accatgttat	ttatcttgcc	tngaaaattc	tgaattntac	ncttaaattt	480
taannttnt	tnactntnaa	ngcaaaaatt	ttttgaactg	aaaggctntt	aaaggcnttt	540
ngactcttca	tttttcaaat	tngggaaaac	aatgctcaaa	agagtntnt	tnaccttngt	600
aaannaangg	gaanaanaa	ctggaatctt	tcctgancct	ntacnttaac	ctcttntntt	660
cactggtnct	tgcanttttt	tcctaagtna	tttnttnggg	attatttnat	ttcaacaaaa	720
cacttgance	ctttttanng	ccaatgcact	tggtaaacc	atgggggnaa	aaatgcccc	779

<210> 4130

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(779)

<223> n = A,T,C or G

<400> 4130

acganagcta	cttggtcttt	ttgcaggatc	ccatcgatcc	gnnnctannt	cgagaagagg	60
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ngngnnnnngc	ggcacaccng	gtatttganc	atgcattatc	tncacacact	gtgcagcatc	180
ctttggagag	cacaacgcat	ggaaaggcca	tnnnnnntnt	ganttgccat	ntcnntngcg	240
ngtcntccta	cccaagtaaa	agntaccttg	gcnatnntac	cnccgntttt	ntcactcncn	300
aggacntatt	acctnggggtg	cntnnaacgt	aatcnnttac	tnnnnctcat	tctnacnnnn	360
nttggaacca	tngncttgct	gncacaccta	tgaagnactg	tttcacagcn	ctttcacttc	420
ctacnaagg	accatgttat	ttatcttgcc	tngaaaattc	tgaattntac	ncttaaattt	480
taannttnt	tnactntnaa	ngcaaaaatt	ttttgaactg	aaaggctntt	aaaggcnttt	540
ngactcttca	tttttcaaat	tngggaaaac	aatgctcaaa	agagtntnt	tnaccttngt	600
aaannaangg	gaanaanaa	ctggaatctt	tcctgancct	ntacnttaac	ctcttntntt	660
cactggtnct	tgcanttttt	tcctaagtna	tttnttnggg	attatttnat	ttcaacaaaa	720
cacttgance	ctttttanng	ccaatgcact	tggtaaacc	atgggggnaa	aaatgcccc	779

<210> 4131

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 4131

gnnnntttcn	aaannttttt	gaaanccttc	ttnncccttc	aaancgcttn	cgaattcggc	60
acgagcactt	gtcaggggag	aggggacagc	aagggtgggag	gttgaagagc	tttgaggctc	120
agcagcatgt	ttgtggcatt	cggtggacac	catggccttg	ggcggctgga	cagggtttttg	180
tgatgtgagg	gacacgcatg	gggcacatgg	taagcttgcc	aagggctcca	ggaacgctga	240
cgaaggggtt	taggaccccc	acccccatgc	ctgtaccagg	gctggcctnc	agagcgggtg	300
aggacagagc	agctgtgggc	ttttcattct	gaggtcttgg	ccccctgcc	accgcaaggg	360
actctttgct	tgtcagggct	tgcaaaaacc	aaccttcgag	aaagaaaagg	gaactcttca	420
cgttgaatgt	tgactttgtg	tgtatgcctg	tgtgtgtgtg	tgtgtgcacg	cgcgcgtgtg	480

cgtgtttact	tcatggaatt	ttgttttgtg	aaattcccct	caatcgtgtc	agaatttacc	540
ttcatgcccc	atcacactgt	tggttctgcg	ctctgaacct	gggtgtagct	catttgaang	600
actctcttct	gcgtttccta	acagttatct	ggtggtctca	aaagttagang	ttgtggaagg	660
gttgggaaga	aactgaagtt	ctatccattt	ccatagaatt	tacatnctgc	atttnaaang	720
canggaaggc	ttaaccccg	cccaaaactt	ncaggcct			758

<210> 4132
 <211> 1335
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1335)
 <223> n = A,T,C or G

<400> 4132						
gccctttcta	antgctnaga	cccttgctact	cctcatgaac	gtttggnaaa	tnccgcacga	60
ggaaacagac	aaatctgtta	taacggccta	ancctntttc	tgngatnagn	ntcatttttg	120
cccantcnna	aaaaatgtgn	aatagnttat	tcaagncaan	cagctcattt	tccaacaatc	180
ctnngctcat	gtgatcccc	aatnccca	actttntgga	naaccnngg	gccncanattg	240
gttgtggaaa	aatgggggtt	tagatgggtt	cgnggaactt	gnagggtatg	aaaaagggnc	300
cannccaggc	tngaactggg	gattnngann	aaacnccaat	cgnaaaaccn	ntttttaaan	360
aacnccccct	ttaanaaggg	ggcacctgnt	ntttaacggc	taaganaaaa	tttgggaattg	420
ccccctcan	gttncatnna	aacggggatt	tggaaaattt	ggaacccccct	ggggggnann	480
attatcccat	ccacaaanng	gaaccctggg	ggcancnccc	aggggganct	ttgggaaaac	540
aagggggg	ccttggcctt	ttaacggcgg	ngcctntttt	tgggcantaa	ncnaggctng	600
ccctaanaan	ggggggcncc	ctttntntaa	cnccccanna	cctttncggc	gtttcncant	660
nccccntggn	gncttaaagn	ctgggntgcc	cntgtctatn	ncnagacccc	tttttngccc	720
ntgggggggnc	nanttttaagn	ccccccccnt	tgggaaaatn	tcccccaan	nggngnanng	780
ggngngcccn	aaattttnc	nnccgnccnt	ttttgcnanc	ntntngggcc	natcccttat	840
ggntnaaacc	cttngnaagn	ntcaccaa	tnggggttggg	ccccctttcta	anggtaaaaa	900
caaaaaangg	nnnggggnnc	cntttgncan	cattnncttt	tcccaanacn	ctttggngggg	960
gnaaaaaacc	cctgtaanan	ncaagcncn	gggnaanata	aagggtaaaa	atcnccccng	1020
ggnnccctta	aggnntttt	naaagggaac	nttaaanccc	cncccgnggg	ngnnaaatc	1080
cttgggcttt	tacnccnct	ttgngccnca	acnntgggac	naaaggnttc	tnacnagggn	1140
aaatnggggg	ggcntnaacc	cgaacccccn	antnccnct	aagganagcg	ntaanttaan	1200
gggaancttc	ngccttgcaa	anaaagntnt	ttgnacaatn	ttngcnegaa	aannnggggn	1260
gaactnaaaa	ctgggaccaa	antccnccng	gncctanacn	ttananaaaa	gatgntaaac	1320
aatngcccc	cccc					1335

<210> 4133
 <211> 848
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (848)
 <223> n = A,T,C or G

<400> 4133						
ggtnnnnatt	taanntnagc	tacttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	60
cacgaggnc	ctgcaaggc	tggtgtggaa	acaagcannn	tnngtgcntg	aagcaaaagt	120
nanacngng	tgtnnactgt	tgatgtgacc	ccacaaagt	tnnggaaccg	catcaaggcn	180
nggntagctn	gggcactgt	gancggaccc	anaattncnn	nggntccttc	naactgnang	240

atcctaccna	ggtnaccenn	ggatngngct	tntntaatnc	nntttgtgcn	acccnaata	300
gcnnatcct	gaaaganatg	tgccatgtng	ancaggtgct	gtnaaagaag	actgcttcng	360
ctccctgncc	ttttgacctc	ccngagttga	aacatgtagc	aacacgnntn	ccatagaata	420
caaggctcca	gntgaagaaa	aagaaacggg	ntctggtcag	naacaatcag	nttcmtntc	480
ttggangatt	ccccntntnt	aatnaaaagc	cctnatttna	nttttnnang	cnttnaattt	540
tttacnctn	caatnttttg	tttgcntaan	atgctttttc	aaggtttgan	aaccttttaa	600
anggggggtt	tttttnaaaa	tggactttct	tntgggattt	tnagggtttt	antttggctt	660
anttnaaaaa	aaaagntaac	caaaaaccgt	ttncctgnaa	aaagaanggt	nnaccttta	720
aatnggatnt	tgggcccttt	aancctttca	atgttccang	gnttacctna	cttttangtt	780
ntntcccaaa	aaaanggttn	ctaangtntn	ccttatttgg	actnnaanaa	cccnaattga	840
acttttnn						848

<210> 4134

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (768)

<223> n = A,T,C or G

<400> 4134

cntnnttgnn	cnnnnnnnng	ggggntttgc	antgcggnet	aatggctnng	gctactngtt	60
ctttncgcag	ganccancg	attcggaaaa	tataggcctt	tattgtcttt	aacattgaag	120
taactttgta	gttttattca	attatgagcc	agcagatcct	tagtttaggc	ccttatattg	180
cataccta	tagaactttc	cccaaagttc	aactgcatga	ccttaatgta	ttggagcacg	240
tcttacagg	ggacttaaaa	ctctagaatt	tcctgagtcg	ttgttatttt	ccactgaagg	300
tctttccact	gtacagcatt	tcaggcatca	tcactatgat	tcttttttct	tgactgttgc	360
ttgttttccc	actgctcttt	tccccaatgg	cgagctgggt	gtgccatctc	tggggctctc	420
ttataggaac	tcacagtcta	gcctactgta	ttttgttttc	ggagaagtga	aagtgaacac	480
tgttatttgc	catcatacct	ccatcaagaa	tttcaactca	ctaggaaata	tatgggcctt	540
tcatggaact	gatgattact	gtggctgatg	tgagtgttgg	gcttangatg	ctcacatgtg	600
gtagttggaa	gttttgtaat	ctaagatgga	aatgagtggg	ccatttaaat	ggccatctaa	660
aggtcacagt	gactgcanaa	gaagnagaa	gagagtataa	ttcttcagct	ccctggactt	720
ccatangaaa	gctngaaaat	cttataccca	gattacccaa	aaaaaaaa		768

<210> 4135

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (798)

<223> n = A,T,C or G

<400> 4135

gnnnnnnnnt	tnecngtg	ggg	cnnntaggtg	ggggntttct	nttttactna	tagctngtgt	60
actcgttctt	tnecgaagat	cccancggtt	cgaattcggc	acgagggnaa	cctttcaatc		120
actttaacta	gtcncettaag	gactctaggg	ccagaagcct	ggtttctggg	tgaatgtttt		180
tatacatcac	tcaacttccc	tcgtcctaaa	aggacaccta	attttgttac	tattgaaaat		240
ttttattttg	gtggccagaa	tacgaaatcg	ggagaggtaa	cccaaacagt	tgtcttagga		300
aaaggcagat	tctcagaggc	aatgggctat	caacaaaata	ggtgctaagc	acatttgttt		360
gtaatgatca	ttcatataat	ttanaagatt	tatggtaaca	gttttatattc	attatccata		420
cagttctatt	tttgcaaata	gaataaccac	ctataagcaa	acagtgttaa	tgagaaatat		480

atattgtntt	aagaaaatag	catataccac	atgaaaaaga	gtgttccctt	tctntttttt	540
tttttgccag	aatcaagt	tggaagnctt	gatcaaagta	aaactaccta	tttgaactgc	600
acanataaaa	ctgggggtgcc	caatccntat	tttacatttc	tngggcttga	ttcatataac	660
tttgtaanaa	aaaagttnac	tattnaaaaa	gtcnngtgng	ccttcacttt	tgacttggac	720
ttctattccc	ctttttgtcc	tgggattnct	ttttcctacn	cnatttctnn	aaatnttatg	780
aaangggcnt	ntntncnn					798

<210> 4136

<211> 1105

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1105)

<223> n = A,T,C or G

<400> 4136

gaccccnttc	ntgattgggn	cnnaggtggg	gggttttcc	ttttactaaa	tngctngtgt	60
cntccntant	ctnctnanna	nnnagagcnn	agtcctcana	cagcncgnag	ccccantagc	120
tgggcctaca	ggcgcccgtc	nccacaccna	ctnttatggg	ggggngnggg	gnnggggaga	180
cggggntttt	accatgtttg	cnncccgng	gtgncncgt	ggtcannnct	gnngaccanc	240
tnttncgggn	canancncnc	cggnetcnnt	atccncncnc	aggncncncg	ncncctnca	300
nnntgaann	ccnccccc	ctcnancta	acnngnagcc	acngccaant	tcnnntntnn	360
cgttncantt	tnactacact	tnttcnctc	ccntnttcca	ctctnnngnc	ncnnncnnnc	420
nggtctnant	ncctncttc	ttntatagac	gntcatcacn	nccaccncca	anntttnctt	480
cancataatc	ncntntancc	tncanencnn	anntacggcc	tcnntctccc	nccctnttc	540
tcacncttan	ttctnctctc	ctctcgcccn	tntnngccn	ncctcncctc	cccctctnaa	600
tnntctnctn	ntctctccct	ntcnnttttc	gntnancacn	catnncatcn	ccaccacctc	660
ancntatct	atnatcttan	cntcctcctc	tcctcncctc	atcactgttc	nacnctnct	720
cacancannn	atctcctctc	acannttgct	atcatctana	tctctntctc	ntcntacca	780
nancctntac	aanntcttct	ccctctcnca	tctcncttca	ctctnnncnac	nntnacnct	840
taccgcacgc	ctcncctctc	accttactn	ccccactntt	cantntcgnc	ncgncctnn	900
gacctctctt	cncncnatte	cannntctc	ctcctaccna	tnntcnatte	tcnntcatna	960
ctactntntc	ancaccana	ncctnctct	cataantccc	ctcgacnntn	ncncacctct	1020
actntgcgcc	cncnnnccac	tttctctctc	cnntangtca	cctaccaanc	anntnnatct	1080
nttattctan	tcnantacnt	tacct				1105

<210> 4137

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (784)

<223> n = A,T,C or G

<400> 4137

nnntttntnt	tnttggngnn	gnnnagtnng	gggttttctt	ttttntaan	ngctgcgcta	60
cttgttcttt	ttgcaggcat	cccatncgat	togaattcgg	cacgaggaga	tccaagtgg	120
ttagaagggg	atgattgctg	gtgaagggtc	tgaacatgg	gacaggtggg	aggctgagca	180
cacactcgta	cacgctggc	aggaagagaa	atgacttttc	tggactacaa	tttggagata	240
acacaaacat	taaaaagaag	aaaaaattgt	atcccttttt	gactaagcaa	ttctaggatt	300
gttatttttt	tctctgagg	aaactagcat	ggatgttcac	attcaggtgt	ggggatgttt	360
atcaatttgc	tatttttagaa	aagagaaaaa	aagtttagca	tgtcacaaga	taattttcat	420

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caatatatgg tacatccatt tagtgaaatg ctgtacagcc atttaaaaag atacagaaga 480
ggccaggcac ggtggcctta cttggctaata taaaaaaaaa aaatctgtag agatggggta 540
tcaccacgtt gcccaggctt gtctcgaacg cctgggctca agtgatcctc ccacctcagc 600
ctaccaaagg cctctagaac tatagtgagt cgtattacgt agatccagac atgataagat 660
acattgatga gtttggacaa accacaacta gaatgcagtg aaaaaaatgc tttatttgtg 720
aaatttgtga tgctatttgc tttattttgt aaccatttta agctgnaatc aaacaagttt 780
ncnn

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<210> 4138
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (784)
<223> n = A,T,C or G

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<400> 4138
ctntntnggt cctnnnnngnt ggcctttctaa tgcntaannc tgnrtggctctn gttntttttcg 60
caggaccctat cgattcgaat tcggcacgag gtgggtacctt ggcttttaggt tttcattcgc 120
acgggaacacc ttttggcatg cttaacttcc tggtaacacc ttcacctgca ttggttttct 180
ttttcttttt tctttctttt nttttntntg agttgttgnr tgnrttttaga tccacagtac 240
atgagaatcc ttttttgaca agccttggaa agctgacact gnetcttttt cctncctcta 300
tacgaaggat gtattttaat gaatgctggt cantgggaca tttngtcaac tatgggtatt 360
gggtgcttaa ctgnctaata ttgccatgtg aatgttgtat acnattgtaa ggcttatgtc 420
actaaagatt tttattctga ttntttcata atcaaaggtc atatgatact gtatagacaa 480
gctttgtann gaagtntang ancancnatt tctgtacctg atcaagttaa ttgcancctt 540
tcttttcena ttncctttct ttaagggtta gtattancaa atggcaatga gtcnaaaagn 600
tancatgaag atttttnaan gagagaactt accggacaca gattngtgan nctttgactg 660
gggacaccta ttggatgtga ttcttaaaaa gcttttnatt ggagccattt ngccaaaatt 720
ttgnaaanct ttcatagggg gnattggacc nttattatcc natnaatncc cctcctata 780
ttnc

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<210> 4139
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (778)
<223> n = A,T,C or G

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<400> 4139
tnngnnncnn nnttggggnt ttcaatnttt cnaantgnrt ctngttcttt nngcaggatc 60
ccatcgattc gcaaaagcca ccttttgctc gaaactccct ggagcgacgc agcgtccgga 120
tgaagcggcc gtccccaccc ccacagcctt cctcgggtcaa gtcgctgcgc tccgagcgtc 180
tgatccgtac ctgcgtggac ctggagttag acctgcaggc gacaagaacc tggcacagcc 240
aattgaccca ggagatctcg gtgctgaagg agctcaagga gcagctggaa caagccaaga 300
gccacnggga gaaggagctg ccacagtggc tngtggagga ccagcgtttc cgcctgctgc 360
tgangatgct ggagaagcgg nagatggacc gagcggagca caaggggtgag cttcagacag 420
acaagatgat ganggcagct gccaaagatg tgcacaggct ccgangccat agctgtnagg 480
aaccncaga ngttcagctt ttcangaaaa gctncatgga gcnaatcctt ctgcctgatg 540
aagtgcacat cagcatcact tcagctgtcg gggcatttgt ngggagaacc agaccacctc 600
tgcggaangc agcanacctt tttccagcca tggatngagt ttgaattctt ctataaacng 660

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ntcaccatca	naccacccaa	ttcatttcca	ttgctttgcc	tatagaggaa	atttannnaa	720
tcanattnaa	tggtttcact	ttatttnaaa	ancnnnnaac	tctaaaaact	ntggncct	778

<210> 4140

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (762)

<223> n = A,T,C or G

<400> 4140

tggttntctt	gntgggggtg	tccttnttnc	aattatgtgt	tctcgatcnt	gtngcaggag	60
nannccngcg	ntggccgggtg	tggtgcccag	actggncctc	acctccctggg	ctcaagtgnt	120
nctcctccct	cagcctcccc	aagtgcctggg	attatagatg	tgagccctcg	caccagacaa	180
ttatatttat	tnttaaaaaac	gcccctcatg	aagtctgggt	aattctctcc	agatttctcc	240
ttatcaacaa	atattataaga	gttaggaaaa	aaatgatgta	aataaagcac	ttaaattgcg	300
acagtggntc	tattcttaac	atnataatgc	ttatgactaa	ggagcattct	tntnnttata	360
aannaaatgt	ntnctgnact	gttagantac	atgagggtca	gagacnttat	nagtntgtaa	420
gaatgcnttg	tggattntnc	taannnatca	cctacagtaa	tgggctatgg	ctaacaccct	480
ttnacaaaat	ngaggnnccac	anatgaaatt	ccagttanag	atcataangg	tgtctgcgggt	540
gaccntagt	nattncctnn	cgattacnng	cgcnaaattt	aacgatganc	tnncagctca	600
nnagntttgg	annatttnng	ctnaaatgct	ctcctggaca	ctaccatact	tagcatatnc	660
ctgggaaata	ctaaccgaat	aatatncctt	taaaacaccc	cggcctcaac	agataagatc	720
tatgatctaa	cgttttnattc	ttttcacaca	ttattattaa	tn		762

<210> 4141

<211> 860

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (860)

<223> n = A,T,C or G

<400> 4141

tggtttnnng	gnttgggggtt	ttcaantttt	gctaanaagct	gggctactng	ttctttncgc	60
aggancccat	cgattcgctt	ttctttgcag	tatgaaggta	gataattctt	caagttaaag	120
atggactttt	ttcaccagaa	atggctttat	ggaatcaatt	tgcaaaaatg	taagagggtg	180
caaaggaaaag	aataaaaataa	tattttcatt	ttcttctgtt	attcttagat	cctttggtag	240
attgtaaact	ccatgaaagc	aggatacctt	cttttgccct	aaggcttggc	ccaaaagaga	300
taccaaaaaa	atacttgctt	atatactaac	ctagtctctg	ggtgtgggag	ccatagaggg	360
ttcanggtgg	ggtggtgggg	aagggtggng	nnttnccgat	atccgaaatg	ttncctcatn	420
naangnatth	nnagcaagtt	tangaangan	ttttgctnaa	tgaaatngnc	anagaacccat	480
naanttncat	anatgccnat	gcctnaaagc	ngccttttga	agctttatct	taangntctc	540
acccttcata	acnncctaac	gnatnacntn	tttccctanc	tttgggnattn	natannnaac	600
atangctcnn	cgtttattca	anantccana	acctnggnng	gcnnntatan	ttncctctnt	660
nccnaaacct	ttggaaantt	naancctggg	ncnttttncc	atttctctct	ttttttanca	720
natanatann	ncnntcnmtc	ttcntntana	nntnnnctcn	nnnncnctnc	cntnccntcn	780
cttttnttnn	ncannntnct	cntcntannn	ntttncntnn	acannctnnc	tantnnnnntn	840
ngnntnctcc	ntttntntnc					860

<210> 4142

<211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 4142
 nagnncnntt nnggtggggg tttcnaattc ncnctaaaac tggggctact cntnctntcc 60
 gcancaancn ngcngntcga attcggcacg agaagggaga ggcagtagga ctaggagtta 120
 aattgtcatg ccgaggtctc tgagcatggg tgggcctgtc agaattgtca tcgctcactc 180
 tgttgacttc cagcagctga caggcaaggc cctaggaagc tcttcagcct cctttccttg 240
 ctagaggtgc tgttttccct ggaaatgttc aagccctgca aatcgtttct atagtaacag 300
 gtctctgtct tttttcttat gatgcagatt tttgaaaagg tttcttatct aaatgttctt 360
 gggatctatg gtcttcctac ctgtagctcc tttgattaga cagagccttt atttaaagac 420
 ttttccccc aagaatgttg ntgttgcttc taccaaaata ataaccantn gntagtttta 480
 ctagtgcctg aagttntagt ttattaataa agcttcatnt naactatnaa aaggantggg 540
 tnggtacnaa tagtaatacc ngaaaaaact aatattcact gntnctctca tgtattngnn 600
 aactttaatt nttnattatg naaaaccttc aaacataana gtagtcaaaa ttatataata 660
 gacacctata tacttaccac ctanattgaa aactaacatt cttgccatat tggcntacnc 720
 tattccatac tgatagtaaa ncntagacca tgtatttaca nn 762

<210> 4143
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(783)
 <223> n = A,T,C or G

<400> 4143
 attntacagc tcttgttctt tttgcaggat cccatcgatt cgaaaagggt gccatgtgag 60
 aaggactcag caagactttg ctggctttga agatggaaga atgtggccaa aagcctaggg 120
 atgaatatgg cttctagaat ctataataaa caaggaaaca ttatttccca gagcctctag 180
 aaggactgcg ttttgctttt gcctcggttt tagccagta agaccattt tagacttctg 240
 atctttggaa ttgtaggta atgcatttat attattttaa gccactaatt tctggtaatt 300
 tgttacagca gccgtaggaa attaacatgt agggaaataa acgtttcaat gcccaggtat 360
 actctgaggt caagccagag aagagttggg cagagacttc aaaaacgatg aaggaggggt 420
 taggaaggtc ctagcatcag tggaatagaa taaaattact cttattaaga ggggaacctn 480
 accnttagng ganaaatnct gnaaatgggt ctgagacaaa atgcnttana gcactggttg 540
 ctagaaaaat caaacatagg agatttagga anatggangc ttgcaatgaa ttatgattgc 600
 atcactatat ttcanccctc atccctgtct tccagaaaaa aaaaaaatng gggatttnaa 660
 aggtttattg gtnccttaang gccagcccnt ttgaaaaanc cattggtttt tggnaaagga 720
 aaaagggcca atttaaaang ggacctgtnt tngtaccagg ctttgttgna tttgggaaaa 780
 aaa 783

<210> 4144
 <211> 1063
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (1063)
 <223> n = A,T,C or G

<400> 4144

nccccntnnn	naaggggggg	tgggggggtct	caactngcta	gcggtgtgna	cnnnaactn	60
gccnaaaaga	aggntggggc	natccngcac	gagntgacgg	ngcgggntcg	ggntttgntg	120
nttgggnanaa	nccttccnat	atctccagtg	cggganncac	tatctggtat	ctctattgac	180
ctacggggang	ctttcctnag	tcantogeta	cncactgna	ctangngana	ccacgcnacn	240
ntacncttan	atncntcnng	cacatctgaa	ntcacnngga	ngnttagtnc	gcagecncgg	300
nntccacann	ccngatcac	gcccctcnt	nncaananc	atannctcac	ttgntgttnc	360
nccgntann	ttangttngn	ccnaacaaa	ncttacnncn	ttntcagnan	nactccacct	420
cttccnccga	aactnnncnn	acngnncatn	nnancngct	tcnngcnnct	ncnnnnnngc	480
ngnccannt	nntnaatngc	cntcnnctca	acacgcccac	accttacnta	tatncctttn	540
accacncttn	ncnnanccct	ctaccncccg	ancctctcgtt	ccccccatnt	cnantttctnc	600
tctcncnacn	cncctctctc	ncnncctca	ttccccccnt	naatngnnc	tncatcncac	660
naenttgnat	gacntcttct	cnnccntacc	naccnctct	ccaactncnt	ctggcaaaa	720
nntcctcncn	ttcatatact	antnnntatc	tnccctntgn	acnntcttnc	ngncgcaaaa	780
ntcancctct	acacnnnaca	cntnnncctc	ncgctngcac	ctatctactc	aactnctatg	840
cactcatcgn	nnncaanac	tnacctcnca	aactctntnc	nactnccnca	nancccccca	900
cnnanacana	ngcgncaana	caccnncaca	nanggcgata	cncttatnac	nctcngancn	960
nanatncncn	ctctacnnc	nancatncac	gtntctcnc	atcatcngcg	ntcncncaac	1020
tcagcagttt	annacnccat	actnnctnca	ngggctcaan	tat		1063

<210> 4145
 <211> 996
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (996)
 <223> n = A,T,C or G

<400> 4145

gcncctttgna	annttttcct	aatgctgggt	ttgctacgga	aacccttggc	aaatccggca	60
cgagcttctct	gtgccagggg	accgtggaga	aagtgtcagg	ggccgctcac	tgcagcantt	120
ttgctctgct	gctnccccng	gcagcgtntc	nggggtngta	caccaaana	gctgggtgtn	180
cngggcgggt	gcttignaate	ccanatactg	nangangctg	aagctgcatt	atcgcttnaa	240
ccnggggggn	acgangangc	canggagnca	aaatgggggc	tnntaganca	aaactttgtn	300
tcanaaaaaan	aatgaataat	nanacaagaa	aatggganaa	gccccataa	cttacnnngt	360
ntctcntggc	cnaangcaaa	aactccactt	gnaaagccan	ganaaaacgg	ggnaananca	420
aaacaaanct	atcacntgga	ccnnnaaaca	naaanccaaa	ggattnnct	tccccnaaat	480
tggantnaag	attcaatgga	catggnacnn	aaaaatncag	nggtaccgga	actccngana	540
ngcnntacag	gttgcncaaa	aangaaaccn	naaaanncg	ggagngnttn	attaaagggg	600
ggnattttncg	cncantttta	agggaaaagg	ccacccaagn	attnagncac	aacacnntgt	660
tgcaggggaan	tccattntnn	gcgaganaaa	nggntgntac	atcccccaatt	ntanaaaaang	720
gcctnnaaaa	aaanatnttt	nnaaccncac	naaatcnttt	ancactaggg	gatttcnaaa	780
aantagccnn	nnnaaatatn	gggggaaaaa	aaaancgatn	nnaganatca	tacnngaaa	840
aaccnngggg	tnattngana	ancaccnttt	nnaagntann	ggggcatngc	ancncaaagg	900
gngcantaaa	nanatagncn	ganagnacat	tanaaccctt	tggtganaaa	aaccccaagn	960
angnccccaa	anaggattgg	ctnnaaaaaa	aaaang			996

<210> 4146
 <211> 783
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(783)

<223> n = A,T,C or G

<400> 4146

ttnaagctna gctacttggt ctttttgag gatcccatcg attcgaattc ggcacgagct	60
aagccccaaa acgaacttca aactgggtgt ggtggcacgt gcctttagtc ccagctaccc	120
gggaggtgc ggcaagagga ttgcttgagc ccaggagttc gaggccaacc tgggcaaaag	180
agtgaagccc catctctaaa accaaaaagg taccttagaa ggtcacctgg ttggctaacc	240
ttttaaaggc aggggcgtga cacgtaggac acattgggaa tgtcttggt actacatgta	300
gccttctggg atatatgtgc ccagagggag aagcactgag cctgaagaaa ctagatgagt	360
ctcagaacca cagaccggcc agaaatctct cccaccatta tatcagcgtg atacaggtct	420
acattcattt ctacaacacg gaacaagttc cttgcagcaa taatttantt tattaacttg	480
gnttttttaa ttnacccttc cttttgaggt taantttcat cacattatgt tcaaanattc	540
ccatatnttc cgtaaaatta ccagcttaat tacangggca tttgttccca ttgggttant	600
tnaaaaatca ggangtttat ttaaaaaatn cctgagttct ttaagggctt ggctttaacc	660
ttttcaantt tccacctggn ccttgtanaa aaccagttca agcttggaaa accaaagttc	720
tttnatttgg ngggtcantt tcttgncaac ttttttgagc tttgannccc ttggacanna	780
ctt	783

<210> 4147

<211> 825

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(825)

<223> n = A,T,C or G

<400> 4147

ggntnttnaa acnnnagctc tngttctttt tgcaggatcc catcgattcg cccggaagca	60
tccaggatgt gggaacattg tgacatttgc acaattttta tttattgctg tggaaggctt	120
cctctttgaa gctgatattg gaaggaagcc accagctatc ccaataaggg ttctctaatt	180
gccaacatga ttctaggaat tatcattttg aagaaaagat acagtatatt caaatatacc	240
tccattgccc tgggtgtctgt ggggatattt atttgcactt ttatgtcagc aaagcagggtg	300
acttcccagt ccagcttgag tgagaatgat ggattccagg catttgtgtg gtggttacta	360
ggtattgggg cattgacttt tgctcttctg atgtcagcaa ggatggggat attccaagag	420
actctctaca aacgatattg gaaacactcc aaggaggctt ttggtttata aatcacnccc	480
tttccaattt tccgggttcc gcntnnttgg gnttncggaa tttnttnac ccatgccant	540
tcttattcaa ataaagtcc gaagtattt tgnaaattcc ccgntcattc ggggaaatgg	600
acccttgcc ccaatcaatn gtggggnttc ttaacccttc cttnattgga aaccattnat	660
tcnacctcaa aacccccctt tnaacmctt gnggccaaact tggcttgggc accttggtt	720
gggctttcaa ttgggggaacc tttaatggtt ccaccnnaag gtgttgggaa caaccctagg	780
ggacccccca aaaaagtga gccctcanaa nggacancca tnaat	825

<210> 4148

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (792)

<223> n = A,T,C or G

<400> 4148

tttnaaancg	ttagctctng	ttctttttgc	aggatcccat	cgattcgaat	tcggcacgag	60
acaccctgga	ctcctgcagg	ggaggacaca	cggaggtgga	caactgcaga	tacacttact	120
cggagtggca	cagttttact	cagccccgtc	ttggtgaagt	gagttttcct	aagtggccta	180
caaatctatt	ttaattttct	ttaaacttta	taaataacta	actggattct	gactataatt	240
ttcaattaat	tatgaatcta	ctaattctac	taattgaaag	ctattatfff	tcctcaatff	300
taatttagtt	atgttcagat	ttaagtgggt	atttacttcc	cctcctatff	ttttaattga	360
aagaattact	aaataatgtg	tgatgagatt	taaattactg	tctcatggct	ttgtgctaaf	420
atttcccac	tgacaacttg	taccttagaa	acaaaaaatg	tggtaccagc	aanaccacgc	480
attgtntctt	tacttttgn	nmntntnggg	aaanaaactt	gacccccatt	tttaatttgg	540
ccttcaantt	taaatggggg	tgcnatgntn	actttttcag	cttaaaantt	tttgaagg	600
naaaagtant	ggactttttt	tanaaatgga	acaccctggt	attacttgct	ggccacatgc	660
cgtggacttt	ttannaaaca	tgcttntact	ggaatttat	antggtgaat	ggtttgaac	720
cggacccant	cttgtgcatt	ttttatgggt	ttgggaatnc	cntttgangg	ncacactttt	780
gttaaaaaatn	aa					792

<210> 4149

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (802)

<223> n = A,T,C or G

<400> 4149

tnnnntttcaa	atncnaggct	actngttctt	tttgcaggat	cccatcgatt	cgaattcggc	60
acgagnnag	ctcancnnat	gtatnttgnc	acttgggagc	atcatctttn	caagggccac	120
tttgagggtga	aatggntntt	ttacatactn	agcatcaatt	tggnccataa	atcaggagac	180
attcaccctt	ctccacccca	atttccaaca	tccctctctt	tgnagagaga	gcactntnga	240
anccactgag	cccnatagcc	ctagggccta	naccactatt	ncaaaangga	agacttttcn	300
atnactatga	canacaccca	nnctggantc	ctctgcctgn	actnaaagct	ctaaccccaa	360
cctntttttc	cagtgcaaac	ccttntactc	actaaaaatt	tctntccact	caaactagcc	420
tgatgacct	tccctgaacg	gggcttgtgt	nttcccatta	gctcaacttt	gcttacatgc	480
ccaggttnaa	aaccccnttt	cnnccaggcca	gacaaantgc	ntnantntt	tcnnacacgt	540
aaaatgaaag	gctcttgmg	tncntnaaaa	ggcctcttan	aaactattgn	ggagtcnttt	600
ttncggttg	aatccanact	tggattanga	ttccattgga	tgaaattttg	gnacaaaacc	660
ncnaacttnn	naatgccnnt	ngaaaaaaa	atggctttta	tttggggaaa	atttggggaa	720
ngcttnttgg	ctttaatttn	gnaacctttt	ttaagctgcn	attnaacaan	ttaaccaanc	780
accantggca	ttctnttttg	nn				802

<210> 4150

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (788)

<223> n = A,T,C or G

<400> 4150

ttnnttcaaa	tcgctaggct	actcgttctt	tttgaggat	cccatcgatt	cggaaaccttt	60
gaatagtgg	tgtacataca	gtttttcaga	gctgggtgtt	aataacaata	tttttcattc	120
taatattaca	ttattctttt	tatcathtag	gtctttatcc	gtcagtgttt	ttagagaact	180
actgcacttg	accacaaact	gataaatact	tggtactgcc	ccatctcact	gttctgttta	240
ctttgtctta	aatatctctt	ttttttttcc	caggcagcta	gtacaccact	gaatccttta	300
agctttcagt	gtgaatttgt	aaaactcagg	attgaccttt	tacaagcctt	ctctcaactt	360
atctgtactt	gtaatagcct	gaagacaagc	ccaccacctg	caattgccac	aacaattgcc	420
atgaccttag	gaaatgacct	ccagagggtg	ggtcgccatc	tccaatcagg	catgtcttaa	480
ctttnagtgc	attttttatt	tanccctttt	aaaggntttt	caaattttan	natgaaaagt	540
ttgnaaaatt	tnaaaatcag	ngggtttgaa	ctcanaacat	ttttcataaa	atgtttaatt	600
cactcaactn	gnctnngcct	aaaaaaatag	gctggatggn	gttattanga	aaagataaag	660
tggttttcag	gtaatctcaa	tggggggcta	ccataattta	ttttaaaagag	aaanggnrng	720
atctttttta	aaaccttgga	naangtttat	aacttaaatt	ntttnatnng	aacttgaaaa	780
ctctaaan						780

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<210> 4151
<211> 746
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1) ... (746)
<223> n = A,T,C or G
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<400> 4151						
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cctcgtagca	aggagagggc	cgtgggtggtg	gcctgggaaa	ggcgggtgat	ggtggtgggc	180
gatgcaccgc	agagcatcca	gttttctgctg	gatgaggact	cctacctggt	gcctgagctc	240
gatgggggtcc	gcattcttctc	ccgcagcacc	cacgagttcc	tgcatgaggt	tccagcggcc	300
agcggagaaa	tcttcaaaat	tgcttcaatg	gccccggggg	cgctgctcct	ggaggctcag	360
aaggagtatg	agaaagagag	ccagaaggcg	gacgagtacc	tgcgggagat	ccaggagctg	420
ggccagctga	cccaggccgt	gcagcantgc	attgaggctn	caagacatna	nccccaaccn	480
gactncccaa	aaaattntgn	tcanggcccg	cttcttttgg	aaagggtttc	ctggacagat	540
ttccacccega	aaagcttcnt	gcacattgtg	tcaaggacct	gcgtgtgctc	aatgctgttc	600
gggactntca	cattngggat	cccgttacct	attgccaatn	taacaggtta	ccttcaagtg	660
ctgctggaaa	gtctgtgtgc	ggaaatttac	ccctggcatc	caatttccaa	tntctgcnctt	720
ctaattcaggc	ttacnnggact	ggccct				746

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<210> 4152
<211> 742
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1) ... (742)
<223> n = A,T,C or G
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<400> 4152							
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gaggcaaagt	tccattttgt	tgatctcgca	ggatctgaaa	gactgaagcg	tactggagct		120
acagcgcgaga	gggcaaaaaga	aggcattttct	atcaactgtg	gactttttggc	acttggcaat		180
gtaaataagt	ccttgggaga	caagagcaag	agggccacac	atgtccccta	tagagattcc		240
aagctaacaa	gactactaca	ggattccctc	gggggtaata	gccaaacaat	catgatagca		300

tgtgtcagcc	cttcagacag	agactttatg	gaaacgttaa	acaccctgaa	atacgccaat	360
cgagctagaa	atatcaagaa	taaggatgatg	gtcaatcagg	acagagctag	tcagcaaatac	420
aatgcacttc	gtagtgaat	cacacgactt	cagatggagc	tcattggagta	caaaacangg	480
taaagnatta	nttgccaaaa	aggtgtggaa	agcctcattg	acatgttcat	ganaatgcta	540
tgctacagac	tgaaaataat	aacctgcgtg	taaaattaaa	gcctgcaaga	nacngttgat	600
gcattgaggt	ccagaattac	acacttggtt	gtgatcaggc	caccatgttc	ttgccaaaca	660
gggtaaggaa	tgaggagatt	agtaattgat	catagttttt	aaagaatcga	aatctaggca	720
aatttngaag	tgaaccngat	ta				742

<210> 4153

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(742)

<223> n = A,T,C or G

<400> 4153

gmnntttt	natacagctc	ttgttctttt	tgcaggatcc	catcgattcg	aattcggcac	60
gaggcaag	tccattttgt	tgatctcgca	ggatctgaaa	gactgaagcg	tactggagct	120
acaggcgaga	gggcaaaaga	aggcatttct	atcaactgtg	gacttttggc	acttggcaat	180
gtaataagt	ccttgggaga	caagagcaag	agggccacac	atgtccccta	tagagattcc	240
aagctaaca	gactactaca	ggattccctc	gggggttaata	gccaaacaat	catgatagca	300
tgtgtcagcc	cttcagacag	agactttatg	gaaacgttaa	acaccctgaa	atacgccaat	360
cgagctagaa	atatcaagaa	taaggatgatg	gtcaatcagg	acagagctag	tcagcaaatac	420
aatgcacttc	gtagtgaat	cacacgactt	cagatggagc	tcattggagta	caaaacangg	480
taaagnatta	nttgccaaaa	aggtgtggaa	agcctcattg	acatgttcat	ganaatgcta	540
tgctacagac	tgaaaataat	aacctgcgtg	taaaattaaa	gcctgcaaga	nacngttgat	600
gcattgaggt	ccagaattac	acacttggtt	gtgatcaggc	caccatgttc	ttgccaaaca	660
gggtaaggaa	tgaggagatt	agtaattgat	catagttttt	aaagaatcga	aatctaggca	720
aatttngaag	tgaaccngat	ta				742

<210> 4154

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(754)

<223> n = A,T,C or G

<400> 4154

gmnntttt	ntacagctct	tggttctttt	gcaggatccc	atcgattcga	attcggcacg	60
aggcaaggt	ccattttgtt	gatctcgag	gatctgaaa	actgaagcg	actggagcta	120
caggcgagag	ggcaaaagaa	ggcatttcta	tcaactgtgg	acttttggca	cttggcaatg	180
taataagtgc	cttgggagac	aagagcaaga	gggccacaca	tgtcccctat	agagattcca	240
agctaacaag	actactacag	gattccctcg	ggggtaatat	ccaaacaatc	atgatagcat	300
gtgtcagccc	ttcagacaga	gactttatgg	aaacgttaaa	caccctgaaa	tacgccaatc	360
gagctagaaa	tatcaagaat	aaggatgatg	tcaatcagga	cagagctagt	cagcaaatca	420
atgcacttcg	tagtgaaatc	acacgacttc	agatggagct	catggagtnc	caaacaggtt	480
aaagaattan	ttncnnaaaa	ggggtttggg	aagcttcatt	gacatgttca	tganaatget	540
atgctacaga	ctgaaaataa	tacctgcgtg	taagaattaa	agccatgcaa	ganacggttg	600
atgcattgag	gtccagaatt	ncacacttgt	tagtgatcag	gccaccatgt	tcttgccana	660

cangtgaagg aaatgaggag attagtaata tgatcatagt nttttaaaga aatcgaagat 720
ctcanggcaa atttttagaa gtgaaccatg atga 754

<210> 4155
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 4155
gnnnnnnnttt nngagggggg tttggggggg tttcnaattt ttctancgng tgagganctc 60
gaactnnccn aaanaaan gcgggtcgaa ttcggcacga gatttgattt aaaaaaggag 120
aaatgttcac actcagtcta gaccacttag gtatgcagag ttgcatcctg aaagcaattg 180
ctcacacttt ccttaataata ctcctntcc acctttgcaa aaccttgatt ggcattggagc 240
ctcnaactgct tgcattgtat acacatgtaa taagaaagca ttaaatctct tggaaattag 300
gaattgacaa gataaataga taaggcataa agccaatttt tcacacatgt ccttaggctc 360
ttgtaaatgt gtgcctgggt ctgctttgac ttncagggtc cgggaggctt tctctttctc 420
tctntccca angtgaggct ggcaagctat cagntctccc agagcaaaga gaaatggcag 480
gagaattgac tgcgtgaacc ccacagggcc ggtagtggaa aaataaatgt ctaaattgaa 540
agggtcacac tngtganat ggtgactgtc ntgcttgcan cagctgagga caccgactgn 600
gtgtagcgag tgcctgctt ttcattgtca catctggctn aataaagaan tcacgaagca 660
nacctngcct tggctnaaac cctntgngct ggacacaaat gactttgatt ncaaactcaa 720
gtccttggnn ntgtcacaaa ggacnaaccc ctggctggga caaaanccta cna 773

<210> 4156
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(773)
<223> n = A,T,C or G

<400> 4156
gnnnnntttnn nnnntttnnn nnnngtnttt gaccanaggt aanacnnngg gaattnctct 60
ttctgcagga tccntcgat tcgaattcgg caccaggcag aaacaatagt caggagttag 120
agattnggct gattaacatg gtgaaacccc gtctctacta aaaatacaaa aattagctgg 180
gtgtgggtggc ggggtgctgt aatcccagtt actcaggagg ctgaggctgc attatcgctt 240
taacctgggg ggcggagggt gcagtgagcc aagatggggg caataagagc aaaactttgt 300
ctcaaaaaaa aataaataaa taaaaataa aatatgtcaa gccccttctc ttcctgtctc 360
ctctcgtggt gtgtacttga ctccccttct cgccagatct cacaggactt tcagatttaa 420
gcaatacctg gccaaagaaac aaaagcaaaa tcattccatt cccccagtgg attcagatca 480
aaactggtaa taaaatcagg tcgactccaa aaggagacat tggagaagaa cgaagcgggg 540
tctataagga attgcacgtg agatggcaca catatttatg ctgtgtgagc attacaatcg 600
cgttaccata tcaagctgaa aatgtcacca ctatctggag tgttggaat gtttattggg 660
aatatgtntt ttctctgaat ctgctatgaa cagctnaatt ggggtgggtc aataataaat 720
atgtgagact tttcatttca aaataaaaaa ggcaaatgat gtaaaaaaaa aat 773

<210> 4157
<211> 809
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(809)

<223> n = A,T,C or G

<400> 4157

cnaanttttc	taatgctgnt	tctatncngn	atnctnggct	anccnacnac	nnnggatncn	60
aattggcacg	aggcttcacg	agagactgac	ngctatnacg	ggctgctggca	cttaangagg	120
actntttctg	ccccagngtg	tgctgatgac	acatacacac	ctgacaatag	ctngngtntn	180
ctctgnncc	tttncctctg	naccancatn	cacnngatct	aaaacccttt	ctnaatatct	240
atcntggntc	atccttggtc	atgcagngtc	agagctntat	gnacttnatt	acncttnncc	300
ttngaacttn	tnntnagnta	cngataangn	gctatctttc	agctggatga	tnaacgnttt	360
mntctgtacg	nacatggacg	atgntttcct	caaacctcta	naactataga	ccagtcactg	420
ntacntntan	ccagacatga	ttnnatacat	cnatgagtna	gnacaaacca	caactanaat	480
gctgtgaaaa	aaatgctgna	tntgatnaaa	tatgaaatgc	tatcgctata	tttcttcenn	540
catangcngc	ngtnttcatt	tagcaacaac	aattgcatcc	attaaaatnt	ttttaaggna	600
cantttggan	ngtcccccaa	tnttggngaa	atncnanggc	cccaaaatgc	cangtgccnt	660
tananacccc	ggggacccca	accttttnga	aaagcggtnc	acaanaaggg	gtnaaagttt	720
nanncgctct	ggccnnnaaa	anaaacnggg	naataacctn	ggttaacctt	gnnttttnaa	780
actngggntt	ttncnnnttn	aaaaaaaa				809

<210> 4158

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(834)

<223> n = A,T,C or G

<400> 4158

ctaanagt	ttt	cmtaatgctt	ncttctaata	ncntaattac	tcaggngngct	cnannnaaca	60
ggcgntgngg	ncnctcaccg	actcctccct	ggtncacang	cttntgnggg	gccaccaage		120
ccctnctgng	ccccctccca	tccatantgc	atggcgngtg	gngccccent	ggctccaaga		180
cagatcangc	ccnancttgc	ntctaccnnn	atnccnctg	anaacgtgcc	actgaatnaa		240
ntntgggaaa	ccagaaaaga	tatacatata	tttaagaatc	atttactatt	taaatgagac		300
aatcaatatt	attnnagaan	cannnatccc	aatgagaca	atcatnntta	anttncaaga		360
tancagaagt	gaccaatg	attnnacaac	acctanaaga	tnnactggtn	nntcaggtaa		420
angtagantt	ttactganaa	ncctgnatgn	atttgacttg	tgcttttgta	ncnntnntnt		480
nccttacttn	tttngntttc	catancctan	taannatgca	ttactttnac	tggtatataag		540
nnnnatcctt	naaaagggtc	tttctnttag	ctntacaggt	nnacaatnat	nnctggngctc		600
ttgacncatt	tgnnacttan	ntnccttann	gcttttnagt	ataantttcn	aaancnnggc		660
cnttttagctt	ttncntnagg	ncanttnacc	cccttnttaa	aaaaangnnt	anttncngcc		720
nnaaatattg	ncntgaatct	ttctccannn	tcggcttttc	cantattttt	ataaagccnt		780
gaganaggnc	ncaaatggn	tttggnetta	anttccttat	atacttanct	cncg		834

<210> 4159

<211> 814

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (814)

<223> n = A,T,C or G

<400> 4159

nnnccttttg	aacctcacng	aaanccttcc	ttctaantct	ggcacgcttg	ganatcgaac	60
tnnctcnaaa	nanatnggtt	tgnggccttg	ggcccttcta	gcctgagctg	gtgacctggg	120
catctgcacc	ctaaccacag	ctgaccgagt	cagatctttg	tccagtgttc	tgaagatcaa	180
atgccgtgcc	cttttgcaat	ataacaccag	ctgcttttag	tccacagcct	ctgacatgcg	240
atttgaagac	acgttttatg	gagcagacat	tatccaaggg	gagagaaaga	gacaaagagt	300
gctgagctcc	aggtttaaga	atgaatatgt	ggccgacctt	gtataccgca	cttttttgaa	360
gagctctttc	canaagaagt	gccanaagag	acagtagtct	gcatacatcg	ctgcaggcca	420
cagagcactt	gggttggaag	agagaagatg	aaaggacat	ccttggggct	gtgcccgtga	480
gttttgctgg	cataggtgac	agggtgtgtc	tcttgacagt	ggtaaactcg	gttttcagag	540
tttggtcacc	aaaaatccaa	aataccccca	atgaaattgg	acgcagcaat	cttgaatca	600
tctctaagct	ttgctttcac	tttgtgaacn	agttgncctt	ctattgatcc	caaaaagaa	660
ttttctaagt	taaaaggaaa	ttcctangtg	aatcaacccc	acnagggaaa	aaccacttg	720
ccacaataag	gaaggccggg	ttcccccttg	gtgccnggtt	taangggccc	cntgtaangg	780
naaacacnac	cggggnacct	tttttttttn	taat			814

<210> 4160

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 4160

tnnnnttttg	aaanntttcc	taatgcantn	gngaaacttc	tnaaaccttg	gcaatngctc	60
tttctgcagg	cagcccagcg	atncgaattc	ggcacgaggt	tagagtaagt	aaagatatng	120
ttaagaaaag	tacttaaatc	caagaaagag	agtcaacaaa	tatttatacc	attctctcat	180
taagtgcac	tggttccata	aatttaaaga	cagcggttca	cccatactta	tggnntngca	240
ttccatggnt	tcagttacca	cagtcagcct	ctgtctgaaa	atattacatg	gaaaattcca	300
gaaataaaca	attcataagt	tttaagttgc	atgccgttct	gagtagcttg	atgaaatcct	360
acaccatccc	cctccatcca	ggctagtaca	tgactcatcc	cctngtccag	catatccaac	420
actgnctatg	ctaccgcgcc	attagtcact	tagtagccaa	ctcggttatc	agatcgactg	480
tcatggnatc	atagtgtctg	ngttcaggta	acctttatct	tacttaatag	tgaccccaaa	540
tgcaagaatg	acataatggt	ataacnggnc	tattnnatca	ttaggnaatg	gnantagnct	600
cttactgggc	ctaaattata	aattaaatcn	atcatgggca	tataattaga	ggaaaaaacc	660
atgggggacg	taggggtngg	nccnatnngg	gggtcaaaaan	atccactggg	aagnctnaaa	720
aacatanggn	ccngaggaaa	aggaangagn	cccggaaacc	ttnaattntn	cttaa	775

<210> 4161

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (817)

<223> n = A,T,C or G

<400> 4161

gtnnnctttc	taatggcttg	gctactcgcc	ttctaantnt	ctaatncttg	gcnaactcgtt	60
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ctttctncaan gnaccnntcg ttncgaattc ggcacgaggg aagggaggtt taaggaagag      120
actgtggaca gaggtgtag ggaaggtgtc agagaagggtt aaggagccaa catggatcat      180
gggggtggta cagtgttgcc agggctgggg aggattggct gcagtgtggg gtaccagacc      240
gctgccatgt ggagagggac ctgtcactcc tgctgtgaac tctcccttct tctgccctct      300
gacctcctgc tgggtgcctcc cattggctaa acacagtga tggccagtgc actggggagc      360
tggttcttga gccacaggc atctgtctct tggcacagag cagacaatgg attgagtccn      420
ggaggggaagg gaactagaga ataccaagt cccaacccca ngcgtttgct gaatgtgtct      480
aatcttctct ttctacaaac ccactctgacc tctnccctc ctctccacgc caagctaggt      540
cccaattctt cctcaagctc cactccttcc accctgtaat cttttntatc accctnccct      600
cctnaacacc ttgggtccgg ctttacaagn ttcnttccc gngacttagc cctttcccn      660
acctttgccc aancaaat ttacttcttta aaaaaagggtg gcttggaanc ctaaaagaca      720
ttantccaan ggttaaaggc ctcccttttt ccttttatcc ccaaatcaaa aaccctttta      780
aggctctttt ttcattcaaa attttaaaaa ccccnct                                817

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<210> 4162
<211> 871
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (871)
<223> n = A,T,C or G

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<400> 4162
ttttccnnaa annngcntng gctacnctgc tttcaaaatn ttcanatccc ttggcaactc      60
gccnncnnac gcacaagaan tntgngttgg cgttcttgag gagctnagcc ttcgctcctn      120
aggatcacag gcttncatgt tgaagctggc agtgctagag gctannncct atctgngtga      180
cagcatttna natntancag gaccgacttt gangtttncca aatatntata ggcannctgt      240
aatcatnac accgtntgcn atancctctc tcannctctg tctnctctt ntaactgnag      300
caaaagttct ttctcangca acaacnttcn tntatcctn agnagnat actgtgttcc      360
tnnncatggt cggcgaacgc tattacnct gactncacnc acncacntga catngaccn      420
tatncaaac nngntangga aaagctanat gtctgnangn tgctnnngc ttgangantg      480
ctaanagcnc ttnagancat ccattanctt tctnnangct tgangtttta nggctnatan      540
nctntggaa nttangtatt ctgggnatga cctnctatng cttntnanac tattnaatcc      600
agacctcgan cnntanncc tgaangtncc ncancnaa nantatcctt ggggaacngg      660
nggtactgna ctntngatca anccnaanan ntgggnantga nccanttggg aaattgaatc      720
cntaatctc ccttgggcaa cnnanngng gcttgcttna aananntgga accnnannat      780
gccogtcaaa ncttccttaa ttancctngg tanactgcna ctggcanntc tnnatanggc      840
naattccana agnnntgant nttattcacc c

```

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<210> 4163
<211> 829
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1) ... (829)
<223> n = A,T,C or G

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<400> 4163
tttctaaatg gcttggggnn cnccttgac caccgaaaac gnttggcaac ttncctcttc      60
tgcangancc catcgattcg aattcggcac gagataattt ttttagtttg tttttgagac      120
tncctgtgta ccaggtga gtacagtggc atgatcatgg ctacagcag cctctcaacc      180
tccttgggct caggtgatcc tccacctca gcctcctgag tagctggtac cacaggtgtg      240

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tacctgggta	atTTTTTggt	gtttcttata	gaggcaggat	ctccttatgt	tacccacacc	300
gggtctcaaac	ttctggactt	taggaatcct	cctgccccgg	cctctcaaaag	ggctggacag	360
gtgtgagcca	ccaggcctgg	ccccaagctt	gtacagcagc	atctgccccca	ttatacctct	420
ggcactcagg	cagtgatgcc	tcttggccct	ctggcaaagg	gagcacactt	ccgttagttt	480
tgtatttgta	tggactttta	tacctatgac	gtttctgggt	ctgntaatct	tgtttttccg	540
actgattgaa	actttcatct	ctggtatcaa	ttggggnggt	ttcttagaaa	aaagcttggtg	600
gtgaaagggg	ggcaaaaaaa	aagaaaccaa	ngttctgaaa	gttcacctct	ttgaattgca	660
acccaccctt	ggtanaaaga	atgggaatca	atnggaatgc	cttggccnaa	tttttgnanc	720
cnnttttttt	ggcaaaagaa	aannggatcc	aaaaagtggg	aaccgggaaa	aaanccttgg	780
ggnaaacctt	ttgggtnggg	aaanggggtt	gggtngnacc	caattccna		829

<210> 4164
 <211> 797
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (797)
 <223> n = A,T,C or G

<400> 4164							
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tcgctctttc	tncangcagc	nnntcggttg	cgaattcggc	acgagacttt	caacatttca		120
tggatagaat	aagtaatggt	gggttagaag	aaggaaaacc	tgttgatcta	gttcttagct		180
gtgtggacaa	ttttgaagct	cgaatgacaa	taaatacagc	ttgtaatgaa	cttggacaaa		240
catggatgga	atctgggggtc	agtgaaaatg	cagtttcagg	gcataatacag	cttataattc		300
ctggagaatc	tgcttggttt	gcgtgtgtc	caccacttgt	agttgctgca	aatattgatg		360
aaaagactct	gaaacgagaa	ggtgtttgtg	cagccagtct	tcctaccact	atgggtgtgg		420
ttgctgggat	cttagtacaa	aacgtgttaa	agtttctgtt	aaattttggg	actgntagtt		480
tttaccttgg	atacaatgca	atgcaggatt	tttttcttac	tatgtccatg	aagccaaatc		540
ctcaatgtga	tgacagaaat	tgaggaagc	agcaggagga	atataagaaa	aaggtagcag		600
cactgcctaa	acaaaagaag	tatacaagga	agaggaagag	ataatccatg	aagataatga		660
aatgggggat	tgaanctggg	atctgaggtt	caagaagaag	gactggaaaa	aatttttcaa		720
ggcccagttc	cagactttac	cttgaaggga	attaccaagg	ggcattacac	aaattttcaa		780
aaaaagcang	aagaatt						797

<210> 4165
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (765)
 <223> n = A,T,C or G

<400> 4165						
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ccatggctgc	tgtgaatgga	cacaccaaca	gcttttcacc	cctggaaaac	aatgtgaagc	120
caaggaagct	gcggaaggat	tgaagtcaaa	gaattgaaac	cctccaaacc	acgtcatctg	180
attgtaagca	caatatgagt	tgtgccccaa	tgctcggtta	cagctgctgt	aactagtctg	240
gcctacaata	gtgtgattca	tgtaggactt	ctttcatcaa	ttcaaaaacc	ctagaaaacg	300
tatacagatt	atataagtag	ggataagatt	ctaaccattt	tgggctctct	gaccctgctg	360
ctagactgtg	gaaagggagt	attattatag	tatacaacac	tgctgttgcc	ttattagtta	420
taacatgata	ggtgctgaat	tgtgattcac	aattttaaaa	cactgtaatc	caaacttttt	480

ttttaactgt	agatcatgca	tgtgattgta	aatgtaaatt	tgtacaatgt	tgttatggta	540
gagaaacaca	catgccttaa	aatttaaaaa	gcagggccca	aagcttatta	agtttaaaatt	600
aagggatatgt	ttcaagtttg	tattaatttg	taataactct	gnttaagaaa	aaatcaaagg	660
accatgattt	atgaaactaa	atgtgacata	attttccagt	gacttgntga	tgtgaaatca	720
gaccacggac	cttcagtttg	nacctattgg	ctttggaatc	aaccg		765

<210> 4166

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (776)

<223> n = A,T,C or G

<400> 4166

ntctttctaa	ttacttatnt	gtcatggaac	tcccactntc	tcnaccnnanc	nagggcnntgn	60
cgaattcggc	acgaggcaag	agatttcaca	gacctgatng	tttttnatga	agatcgtaaa	120
accccaaatg	gacttatttt	gagtcacttg	ccaaatggcc	caactgctca	ttttaaaatg	180
agcagtgttc	gtcttcgtaa	agaaattaag	agaagaggca	aggacccac	agaacacata	240
cctgaaataa	ttctgaataa	ttttacaaca	cggntgggtc	attcaattgg	acgtatgtnt	300
gcctctctct	ttctcataa	tcctcaattt	atcggaaggc	aggttgccac	attccacaat	360
caacgggatt	acatattctt	cagatttcac	agatacatat	tcaggagtga	aaagaaagtg	420
ggaattcagg	aacttggaac	acgttttacc	ttaaaattaa	ggtctcttca	naaaggaacc	480
tttgattcta	aatatggaga	gtatgaatgg	gtcccttaag	cccccgga	atggatacaa	540
gtagaagaaa	aattccattt	attaaagtct	gacagaatga	tattgnattt	gctgaacaag	600
cctatctttg	aactntggga	aaaattattt	tttgacagna	atactctttt	caaaaatggg	660
catttgcttg	atttccanaa	acctttcncg	ttctgggacc	gaattaccca	aatgcccctg	720
gaatttccca	ctgggggggtt	taatgttnaa	aantcccaan	taaaaagttt	ttttcg	776

<210> 4167

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (741)

<223> n = A,T,C or G

<400> 4167

tnncttcaaa	ctttcgctct	tggttttttg	caggatccca	togatcgaa	ttcggcacga	60
gagttttgga	tgagacttgg	tatggtccat	tctgggacaa	aattcctctc	tctctctctc	120
tgcgaccctg	tgaaatctag	aaaataagtt	atttgcttct	aaaatacagt	gatgggacag	180
acataggata	gacattccca	tttcaaaagt	gagaaattgg	gccagggtgca	gtggctcaca	240
cctgtaaccc	cagcacctgt	aatcctagct	ccccaggcgg	ctgaggcagg	aggattgctt	300
gagcctggga	gatcaagggt	gtagttagcc	atgattgcgc	cacctttatt	ggaaactttt	360
attccagtta	ccaataacac	attcctcatt	tcctccagag	acctcaccag	aaacaccttt	420
aatattcata	tttctagcag	ccttctgttc	ataacaatat	atgcatcctg	ttaagatgat	480
aggagatttc	tctgcacctc	tcctctttgt	gagcctgcag	ggacattccc	tttaatgtcc	540
atatttctac	cagcagtcct	ttcaaggcag	tctaggtttt	tcctaacata	cacctcaaaa	600
ttcttgacgc	tttgcccaag	cacagtgcct	nacatctgna	atcctaacac	ttttgagagg	660
ccacatggac	aagatgcttg	agctcaggag	ttcaagacca	gcccggggcaa	catatgaaac	720
cctgccttta	aaaaaatcaa	t				741

<210> 4168
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(789)
 <223> n = A,T,C or G

<400> 4168
 gnnnnnnnttn nnnnnntttt tggaaancct tnnnnnnnnnn tttcnaatnc ttgggcnaact 60
 cgttctttct ncaggcagcc catcgatncg cctttattca ttttctactgt tatccagaat 120
 tccattatat gaatatgcca taatttttaa gttcacgtta ctattgttaa gtgtttctaa 180
 actggaaatt actccagaca atactatgag cacacctgtc tgtggctttt gatgagcatc 240
 tgaatgcagg ccaaacttgg cctgccaaac agtttctgcc gttgtttgta ccagttcaca 300
 ctccctgcc aacagtttct gcaatgtttg taccggttca cactcccacg gcagcacatg 360
 aaagctttat ttgctccata tctctcctcaa tttagaaata attacaaact tatgtaaaag 420
 ttaaaagtac tatacaaata attttatgcc tgaaagttgc caagttcatg ccatattact 480
 tctaaatag ttagtgtgtg ttttctacaa acaaggagat tctcctgtgt accagacagc 540
 agtcatcaaa gtcagagaaa ntaacatcag tacattgtctg ncatctaattg cttactccta 600
 ctcaaagttt cactantttg cttccaaaag tgtcctttta tggcaggang gatcanaant 660
 aatgtatagg ccaagcaciaa ngccctggaa tctggaaatc ccagcacttt tngggaaaac 720
 caaataggaa ggttgccttg gaactcctga cttaaggcga nncanccaac ttaaaccctc 780
 ccaaagngg 789

<210> 4169
 <211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(728)
 <223> n = A,T,C or G

<400> 4169
 gcttggctct tgttcttttt gcaggatccc atcgattcga attcggcacg aggttttggg 60
 actaaaggcc gagactgttg tggcgacggc gacctctacg gcaacggctt aagctctcgg 120
 aggagtggca gactacgatc tgaaggaggg gcttctgggt agcccagggt ccatcataat 180
 gaatggatcc aatatggcaa atacatcacc gagtgtaaaa tccaaagagg accaggggtt 240
 aagtgggcac gatgaaaagg aaaaccatt tgcagagtac atgtggatgg agaataaga 300
 ggatttcaac agacagggtg aggaggaact gcaggagcaa gacttcttgg accgctgctt 360
 ccaagagatg ctggatgaag aagaccaaga ctggtttatt ccctcacgag acctgcctca 420
 ggccatggga cagttgcaac agcagttaaa tggactgtca gtcagtgaag gtcattgattc 480
 tgaagatatt ttgagcaaaa gtaacctgaa cccagatgcc aaggagttaa tccaggaga 540
 gaagtactga gccgagaaaag ctttgaggaa gacttgtctg tccccacatc tggggatagt 600
 aatgcacaaa atggtggagc ttaagaaggg gatggggccg gccaaagggg gcacancggg 660
 aaagggantg gtggcttaca atactgggac tctgagtact aatatgtctca gtcttattct 720
 aaaaaaaa 728

<210> 4170
 <211> 735
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (735)
 <223> n = A,T,C or G

<400> 4170
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 agggcagatt ttccaaatgc tcatcaccac ttggcactgt gtggactata attttggcca 180
 gttaggaaat ggcatctcat tgttttcatc ttaatttgcg tcagcctgat tactcattga 240
 aactgtgag gttgagaaac ttttcttaag cttattggcc attcaagttt cctcctttat 300
 gaaatggttg ttcattgtcat ttgctcattt ttatattaga ttgtttttct tttttccagc 360
 tgactttag gaactctaca tcttatcaat attaatacatt tatcgaaaac tatttgggtg 420
 ccattatctt ctccatagca atgttttttg tttgtgatat cttttataat atataagttt 480
 ttaatgttg cagaagtaaa gttaatcttt ttggctgtgt tgtgtgtctt gtttgatgta 540
 aagatagttt ctgtaatagt tttgcagttt gattgntcat ctttaggtct tcaattcaac 600
 ctgcacatcc atccctcta tctcttttct tactctgttt ttctccatac cacttatcat 660
 ccaataatat ggtcatgccc tttattnacc ngntttgcat atataatttg gcttgnccc 720
 ggttccttcc ctana 735

<210> 4171
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (773)
 <223> n = A,T,C or G

<400> 4171
 tanacnatt ggtntgatgc ntgggtgctgc ctgcgctgcc ttaagaagct gagactcaca 60
 caagtgttaa gagggatatct ctggagacan ngtagagata gaccctgtta cgaatcagag 120
 ggccagcact aagttttgga ttaagcagaa acccatctna atcgattccg acctgctctg 180
 tgcctgtgac cttgctgaag agaaaagccc cagtcacgca atattttaaac tcacgtatct 240
 aagccaatca cgactatnaa cacctctact ttgaatcgga cgctgctacc cgtcaatgaa 300
 attgtgtca aggttaacta catcctggaa tcgcgagcta gcactgcccg ggctgactac 360
 tttgtcaaaa aacaaagaaa actgaacaga cgtcgagctt cagcttccan aaggagaaaag 420
 aaaatccggg cagcagttga cactggcctt cagcctnaat ctgttcccgt agcttnagaa 480
 ccttgctgc cagggccaag tgccctagag cccaccccg tgctctgaan tctnngggg 540
 ggaggccagc ccctgggct tactgggcac anggcaagt gggctctcng gggaaaagg 600
 tctggngcc cccttangaa gggaancgct ggggacattt gccattggga ccggaaagtc 660
 ttggtttggc anttggttt ngataancca tgctttgngg gtcnagacca cccnctaaa 720
 ggagccacgt ggccngccaa gccaccttaa ttgctggca cctggcccng gng 773

<210> 4172
 <211> 797
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (797)
 <223> n = A,T,C or G

<400> 4172

tnnnngtttc	ctantnnntg	ggctactcgt	tctttccgca	ngatcccntc	gntncgaatt	60
cggcacgaga	ggcagtgact	gccttcggct	ttttttctgc	tgactaagat	ctcctataga	120
gagctacaac	aatgcccaaa	agaaaggctg	caggtcaagg	tgatatgagg	caggagccca	180
aagagaagat	ctgccagggt	gtctgctatg	cttggtgcca	gttacacca	gaagtgaag	240
ccctaaaaag	aacatcaagt	tcaagggaaa	atgaaagaca	aaaaagtgat	atgatggaag	300
aaaacataga	tacaagtgcc	caagcagttg	ctgaaaccaa	gcaaggaagc	agttgttgaa	360
agaagactac	aatgaaaatg	ctaaaaatgg	agaagccaaa	attcagaggc	accagcttct	420
gaaaaagaaa	ttgtggaagt	aaaagaagaa	aaatattgaa	gatgccacag	aaaagggagg	480
agaaaagaaa	gaaccagtg	cagccagaag	taaaaaatga	agaagaagat	cagaaagaag	540
atgaagaaga	tcaaaacgaa	gagaaagggg	aactggaaaa	gaagacnaag	atgaaaaang	600
ggaagaagat	ggaaaagang	attaaaatgg	aatgagaaa	ggagaagatg	ccaaagagaa	660
agaagattgg	aaaaaagggt	aagacggaaa	ggaaatggag	aagatggaaa	agagaaaggn	720
gaaagatgaa	aaagaggaan	aagacngaaa	ngaaacngga	gatggaaaga	gaatgaagat	780
ggaaagagaa	ggagttt					797

<210> 4173

<211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (813)

<223> n = A,T,C or G

<400> 4173

tntctctacn	nanntcgnga	acccttgntc	ccacgacct	cgtncgaatt	cgggcacgag	60
gtgtgttctg	tgggaggggtg	tctgtggtga	tgtgactatc	aggggtggg	tgtgctggg	120
atggggcagg	cctgggtctg	gagaggat	tgtgtgaaag	taaatggggt	gtttgaggcg	180
tatgggtggc	tgttgggtg	gggaggcatc	ttgtgtatgg	ctggtgggaa	cagcaaccaa	240
aagggtgctt	ttggttttat	ttgagatcaa	gattgtgttt	ccgcttaatt	actagtttgt	300
ggtctatata	atagaagtta	tttcccaccc	cattttatct	tgacaacccg	tgtttgcat	360
tctgtaaaac	ttctacaact	tctggtgtca	agaactgtcc	agaagatgg	actgttaact	420
ggtatttcc	ttgatgttt	gattttgaaa	gtttactctc	atgcaaatgt	ttcangcgta	480
catacatagg	cagaaagcaa	atttttagg	gatttgtctg	tntcttggt	gaaattttaa	540
gcaagcttta	atggtctgac	ttgntcatt	gaaatncaa	aaaagtaagt	gaaattttaa	600
ggttngcat	taacctaaag	gaaatcttga	agattnatgg	ttgaaggaaa	ttggtatgg	660
ccatgccctt	tggtggaaac	ccngaaant	cntttttaa	gtttaaaaat	tgaaaaaag	720
ggtttttaa	ttgtcttgn	ggcgtgttn	taaaattggg	acccccatt	tttanaaatn	780
attttttttc	ccgtctccc	ttttaccaa	cna			813

<210> 4174

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (786)

<223> n = A,T,C or G

<400> 4174

gtnnnnnttt	tctaatagt	tgggatactc	gttctttccg	caggatccca	tcgattcgaa	60
ttcggcacga	ggttctcagg	ccttccagg	agtcccttc	ctggacttaa	gagtgcacac	120
tcttctctgt	ggttctagcc	ttgggcagaa	ttatatccca	gagaccacag	agcaactgtc	180
aagctgctta	ccccctcacc	cagggtctaca	gcctgtgccc	agccctctaa	tttgtgcctc	240

tcttgtgttg	ggggtggtgg	gggttatcc	tttcccttc	ctgctctggc	ctccttgaaa	300
gttcagagta	cccagtacaa	gtcagcttta	aagtacagct	tttagtggtt	cctgggttgt	360
ttctctgggg	cttttagtgag	ggacctttgc	cctctgggtt	ttcttgccctc	ctgggtttang	420
gagcatctca	cacttggttag	tatctggttg	ttgggccagc	ccgtgcctnc	tctagatctg	480
gagccaggcc	aggcaggggc	cacgtgtggg	ccagtcagcc	actacaagat	tttgctaagc	540
tttgggctgt	tggcagcatc	ttggacctca	tgcttgggccc	tgaatganc	tctttcttaa	600
gtggttttac	aaagtttggg	ttttatttat	ggagtgaact	acccttcca	ttcagagcag	660
cccaccagc	cagcccttna	accttntggg	ctcctgntgc	ttaaaggcaa	accgctgggt	720
tgggctccac	cctgtgcatt	gggaacccaa	ccacccatgc	tnaccggnat	ttttcctcat	780
aaaagt						786

<210> 4175
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(785)
 <223> n = A,T,C or G

<400> 4175						
tctaattgtn	gaaanccttg	ttctngacca	tcccgggctn	atgcttgggc	acgagagatg	60
ttcttatccc	caagagctgt	ataattccag	acagaggagg	caggcagaca	cctctataga	120
ggacttagaa	acgactgttg	tgagacacat	tcagtgtcca	ggatggcaag	tgtagtatac	180
cgtagaag	aacattcctt	tgggtgtgg	cctaggaagt	tttccagatt	tttactagc	240
gtacatctaa	ggaaaaccgt	aaacacagag	ctgcccttta	ttcctccac	aggaagaaat	300
gtacatcttc	atggagtact	gcgatgagg	gacttttagaa	gaggtgtcaa	ggctgggact	360
tcaggaacat	gtgattaggc	tgtattcaaa	gcagatcacc	attgcgatca	acgtcctcca	420
tgagcatggc	atagtcacc	gtgacattaa	aggtgccaat	atcttcctta	cctcatctgg	480
attaatcaaa	ctgggagatt	ttggatgttc	agtaaagctc	aaaaaacaat	gcccagacca	540
tgctgtgtga	agttgaacag	cacctgggg	acagcaacat	acatggcacc	tgaagtcac	600
actcgtgcc	aaagaaagg	ccatgggcgt	tnccggcnac	atctggagtc	tgggtgtgt	660
tggcntagan	atggggactg	gccaaaagcn	cttggcatga	ntattgannc	cacctttcaa	720
attatgtata	aanncnnggg	atggnaccta	aancccccca	atcccnngnan	anaattaaac	780
ccctt						785

<210> 4176
 <211> 848
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(848)
 <223> n = A,T,C or G

<400> 4176						
cnnnncgnnn	nnnncnancn	nnnnccggnn	aacnttcnag	gccnttnnaa	ntcccnnttc	60
naangcttgg	cnatcgnctt	tcnncangna	cncngcgttn	cggttggaga	aaccaagctg	120
accaaaacat	ggtccccacc	ttttggagct	tacagtctgt	tctggggaac	agagattcag	180
ccagnagtca	agaaacactg	gatgccagct	agattatctg	ntctgtgctt	tgggtgtctat	240
aagtacatat	gtggatatgg	gttcatttta	tcctaaact	tagtaccaaa	ccagcattta	300
atatctaatt	ataaatctaa	tntgccctaa	actttattat	tgcacactgc	ctgaacaaaa	360
cctatttgtc	tctatgtaaa	ttntttcctc	atggaacaag	ggtgtgaaat	gaaaatattt	420
taggatttat	tcaaaaacag	actattctgt	tttcagcttc	agaattgttc	tttgaatcct	480

aaggaacctc	tgtcaacagt	ngaggcngct	gttgaaaaga	aagaagann	aggcngaaat	540
ctctcangga	gaattatttc	ccnttctntt	ctatttcaga	tacctggagg	ggtggggaga	600
ngtaagaatt	gtaggggagg	atcannnctn	ggggaaanct	gtgaccagct	naatgaanga	660
atgatgattg	aaanaacctt	cttgcatctc	tnagntaccc	ttcngcntcc	cttnnaccca	720
ntggtataaa	atntngggcn	tngggcaacc	actgaccatt	tgncaangcc	ttaattggnc	780
cccaaatac	cnacactggt	ccnagancct	taaangtctc	cagcaccgga	cncnntnana	840
anncgnnnc						848

<210> 4177

<211> 836

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (836)

<223> n = A,T,C or G

<400> 4177

ttctaanan	ntttgggnnn	gtgnncttct	aatttttcnn	atacntggcn	actcgnactn	60
tctnnangna	gcnnntgngt	tngcgaattc	ggcacgtagc	tgagcacctc	gtctctataa	120
aaacaaaaca	acaaaacata	aacaacaaca	acaaaaaact	atgtgatagg	catttgtgta	180
ggcactagaa	aatagtgtct	aaacaacaac	aacaacaaca	aaacatgatt	cttgtctcaa	240
agaatgcaca	atgttgggga	aagacaacta	aaaagtnata	aaacataaag	tttgaaggat	300
attatgatag	angaatnata	ggatacgttc	aatcatttga	aattcntgaa	tgtcatcctt	360
ttgggtggag	caccgagagg	gtttgtgaaa	aacttcccac	ataaagna	ntaancnatg	420
cattnnntaa	aaatactnat	gtnttttnna	aatgaatat	ggcaaata	ctgtntctgcc	480
tancatntga	tnaagggnntc	acttttccat	nccnanggna	ttagcttatn	nnacttcana	540
catttcaaan	gtggaaaaga	ctcancanat	tcaaagcaac	cattcttgta	aagtttaatt	600
tcctgtgan	tcgttcanaa	tttnaatnct	tgggaaaaat	gaacctgcaa	taagaanaaa	660
aattggttct	actttttcaa	tnggggttaa	aggtttctgg	acttcaccca	aagtggcttt	720
ttncaaatgg	gggggncccn	taaaancaan	tatttaata	nggaacttat	ntttgcgggt	780
tagcctnngg	gggnatnctt	ttgncaaaa	gtttaaaaag	ccaattnggn	aangnt	836

<210> 4178

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 4178

ctmcttttnn	ncctnaagt	aatcggttcg	gtttancctt	tngcaggatc	ccatcgattc	60
gaattcggca	cgagcttagt	tcacaaaata	attattgatt	tgtttaagcg	tgatgtatgt	120
gcttgctcaa	ggaattagaa	gatgagtatg	acaaagctca	ttccctcagg	gagttgagtg	180
tttcagaggg	atgaagtaaa	agaagatttt	aaaactacaa	gtagagtgtg	agaagtatca	240
cgagaaacat	caacaaaggg	ctgaggatag	aaggtgataa	gtctcaagta	tctcaagata	300
ttcagcagtg	aatcttaaca	ttaaatttgc	tttaggggaa	gaatttcaag	catattgata	360
ggtctttaaat	tttctagtct	ctctgggata	gtaggaagga	gaatgatttt	taaaaagttg	420
attatgtagc	atggagtttg	gggactagta	aaaattttat	tgaaattatt	tgggaattgt	480
tttacagttg	tttttagtgg	aggttgattt	tctgaaaata	ttgcatttta	gtgtgatgat	540
ttactaaaga	agtagcaggg	acttattcta	aggtaggaga	tagaaaaact	aataagtaaa	600
aatctgctag	caactttaaa	tggctgtcaa	acttttttta	atgattaagt	gctaattggg	660

ggcagatgga aattgtaaag ccagtgccan aacaattgag gtatagaagt ttttttctgt 720
caattgctct acttttgaaa gagaagaaaa ttnganggca aaatttaagt cattt 775

<210> 4179
<211> 816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (816)
<223> n = A,T,C or G

<400> 4179
tnnncngttnc ntattanntg ggtaatngct tggntctngn nctttctnca agatnccatc 60
gattcgcagc gatagcccaa aggctctgca gtattccctc caatggccaa ggattccgtg 120
tgtcatctgc aggagttagt aggctctgtg tatttcttgt aactgctggg tgttacaaaa 180
taagttaaca tgttttacac tttaaaaaaa aaaaacagaa ggaacatttg ctttattggg 240
tacttactag tttagcctct aggttatggc acagcatgct aaaaaatcat gtgtttaaaa 300
gtaaatgttg gtaaaatgct ggcattctgg cctatttgtt tgatgcattt tcacttctgt 360
ggtcatagga aatggactgg tctaaagaga gtgaggcaca acacaagcag ggcattagtt 420
tgaataggaa gtcaatcata tttggtttta tggcctgggt tattttgggt ttaagataaa 480
atagggaaaa atgtcagaaa tgatccctat gcatttattt catggatccc ttaatttcac 540
gggcatgcct aataatgatc tatgttctaa ctggagctta nggcttattt tagatattgg 600
gagtgtagct tttatttacn agatggattt tatctttcaa catttgcat tttgatcaact 660
tttgtaatat tcaccgtgta tttaaaaata ttgggtgact taaaatgttt tnccectnng 720
nttntctttt atattgggtc caaaggcant ttantcaagc anctntttgg naatggaaac 780
tcaatgttaa anttggcmtt gggttcaann ggaaat 816

<210> 4180
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (746)
<223> n = A,T,C or G

<400> 4180
tnnnctttct aatgcttggc tactngtctt tccgcaggat ccctcgattc gaatccgnca 60
cgagggnggc tgccgtntnt ggctttngct nnaagggcna ngttcgggaa ccgttccaca 120
ncatcctgat gtccgaagg gactcactgn gccattgcc agcagtcgnc attccctaag 180
gtgctgtgat ccanaangcg ggntgngaga nattggggcc ctaccctact nactntnncc 240
cacaccatgt ntaaaatact canntntntn angggcnnaa nacngctatc tggacccca 300
tcaggntcgg gnaacactgt tnaaaagtcc cctttcatgt tggcccatg aanagaccac 360
ngaccacgng gtacntggag ctcgatntcg anagtctca agnggggaact gaggggactt 420
ccactnctnt gggactnngg tcnactnncg tgnanancgg gacnactaca tnntggnetc 480
tttctganca ccaccctntt ttcacgatgg nacntgtaga agggaaatgc tgganngatc 540
catecntent gntctcttct tcngecctaa atgntgcac ncanntccgn ncngtncntn 600
acctgnnngg tccttttggc ccngccttg ncatgantac cngnntacct gcacccctanc 660
ctgacacnnt ttgntcttat cgctgcagt anggaaangt ggggtgggtat ttttccca 720
taaagacttt agaccctnt tttnt 746

<210> 4181
<211> 865

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(865)
<223> n = A,T,C or G

<400> 4181

cgtnnccctt	ttcaaagcc	cttggtact	cgcccttacg	caggatccca	tngatncgaa	60
ttcggaacga	gccaacctgc	tgccctcaa	gccccgcttt	taccagcctg	tggagttcag	120
gaggcgagac	atnctggcct	cctttgagaa	ctgatgggat	ctacccctg	tccacgcngg	180
acagtntctc	agaactgggt	catagaccac	ctgtgttacc	aacagccaga	tacctaattcc	240
ctgagcctnc	tttggaang	tctggggccg	agggctctggg	aatntgcttt	ntttttttgg	300
gacagagtct	cattctgtca	ctgcactcca	gcctgggtaa	cagatcgaga	ctcccatctc	360
aaganaaaaa	anaagganca	gggcatgggt	ntagtgtgac	tggggtncca	gctacttcan	420
aagctgaggt	gggaggatcc	cttgagccct	gtaagcggag	gctacagtga	cctntgatgc	480
cantgaactt	ncgnctatgc	aacagaacct	gtcttaaaaa	aaaaagtaat	taanaatttt	540
aaaattcaaa	agtgggacta	ttnatnggtt	aacagaactg	nttttaanaa	tgccttaaaa	600
atggtggcnc	catttttttt	aanaaccntt	gctggntntt	attggtnaaa	aattgnantg	660
gntcttncn	tgcccnngt	cnntnaaaaa	ttntttngna	ngggcnagnt	tttatngtna	720
attgntcgn	aaatntgnnn	aanatttcat	tcccananna	angntnnnnt	tcccttaaaa	780
nntngnactn	aattgccttt	actgttnccc	ntnaanttta	aacnacnnat	ttnttntaaa	840
accttttnaa	angnaaccn	nnccc				865

<210> 4182
<211> 989
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(989)
<223> n = A,T,C or G

<400> 4182

tnccttggt	gaaanccctt	tgctcctttn	tncctnccgtt	tgncatncna	ttegtcagc	60
tgaggcaatt	aaactggaaa	agaaatagat	tgaaaagata	ctntngaaga	agcagtacag	120
aagttggggg	actgaaggag	agggagccac	tgaggtgct	agctgcttaa	ggggatacca	180
gtccttttac	agatataata	gatacagctt	ctgaggtgga	gggtgatagg	agtgtgtatg	240
agaaanttgc	agnttnacaa	ctgctcntgc	ctcctnggca	anaggannan	cntttcnccn	300
nttncnnccc	ttatngnaca	cacattgncc	tgattggncn	tncnncngct	agcttncagt	360
cttnantnta	ctcannagnn	nntnggggaa	cncnctntcn	nantatgntc	ccttttctc	420
tnnctnnccc	nnatancacc	ccnctcnctt	tcctttctaa	acttncacan	ntccctgana	480
atgncttccg	aattggantct	tngaatttct	ncgcccctnc	ntcttcataa	tcntttttgct	540
netccngctc	nccctcattt	tncctacgtnc	cnccttctnn	ttactgnct	ttaaanttta	600
ttancnncnt	ntncttncn	atctncaant	tttccnnccn	acnnnnnttt	netnntncca	660
aategcgna	aataagtntt	gcncactcnn	ntnctancnt	attntccctc	gcnnntntcn	720
tcacttcccg	cnnactcac	ntnnncnnnt	caattntntn	nnacnncnc	tgctctacnn	780
ncnatntctn	tncctncaca	ccctntancn	tntcnctcan	aatgcctttt	ctnccctann	840
netntcnttc	ncnnatctan	ccaantttnc	tttnacatcc	cctncnnntc	tnncccgacn	900
atatntnacc	tcttnnactn	cagngcncan	nacnccccn	ttntcnctnt	cnetctcann	960
cttntnttna	tcttcattna	tcannnccc				989

<210> 4183
<211> 820

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(820)
<223> n = A,T,C or G

<400> 4183

tnncctttct	aatggccttg	ctacnggctt	ctnaagnatc	cctngtttcg	cagctatagc	60
actaggcagc	cttgcatcct	gggtgttgaa	agtgcaggcc	attatcctcc	cctctgacct	120
ccaagatgtt	aggtggcctt	tctgtgcctc	agttttatca	tctgtaaatt	gggtatgatt	180
gtactagtgc	ctagtacata	aggagtgcctg	caaagattac	atgagtgtct	ttaaagtcct	240
tacaacagta	tctcacacat	agtaagcatg	gcatgtggta	gttactatca	tttagtccct	300
cttggagcaa	tggatattaa	aattttaaag	acagttgtct	gntnaggatt	ggncatgcag	360
cctgaagttt	naaaacaaat	tgcacctgnc	tgtgtncatg	ggganacttt	ttaangccct	420
ggacctnatt	agctnaatgg	gctgtggaan	tgatggggc	cttttgnagg	gcncnnttt	480
tnnaaacccc	naaattttan	aaagnttaac	cccagannct	tnattctnca	ttttaactgg	540
ctntttggna	gatatatngg	cagaagtgtt	tanaagggtg	naaaagtgtt	ttttgcncn	600
anaaaaaang	ggctttaaac	tttttaattc	nngggtgngg	cgccnnaatt	tttcaataaa	660
aanntttcan	gaattattaa	nnggggtngg	atnaanngan	ttntntntn	anaaaggatt	720
tttaanaaat	ttggggggaa	gaaccnaat	tattaacngc	taanttat	natggcttcc	780
gacttttnaa	ngtttttnga	aanannccna	nntttattnn			820

<210> 4184
<211> 810
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(810)
<223> n = A,T,C or G

<400> 4184

tnccctttnc	taatgcttgg	nataccttgg	tttccaatgn	ttncagggt	tnegtgcact	60
ccagcctaca	tgacagagt	agaccctgtc	tcaaaataat	aatantaatg	nactgagact	120
cagaaaagat	gttngntcaa	ggttacaaan	ctcanacngg	acagggcagc	attggnaacc	180
aaaatnggtc	tgactcctan	gctcatgctg	naaatnacng	tgcaaggctt	ntactatcta	240
tnnttttcc	aanngaatgt	ctaaatgnac	ngatggttaa	catattacgc	agaatatgtt	300
aaacgtcaaa	tgaactgtnt	naacnataaa	tgctggagag	ttgaagtggc	caagaactca	360
tgcccnaggt	gatctgggaa	ngcctcttga	acaaggtgga	attatagctg	gtttttgaag	420
aatccgaaag	gtgcttagat	tgaaaggtga	gacatgtaca	ggaatgggtt	ctaagatgtc	480
atattttata	tctgtcctca	tcttgactgg	cactaatgaa	catcaaagat	ttnaacctaa	540
atncattgag	tgcccagnat	gtgaagggtc	ttatttatgt	aggttttaaa	gctttttaac	600
atacttttaa	agaannngac	tggttaatct	ncactgnctt	agatcccttt	angaccccg	660
gagcccggt	tggcccccag	ggngcccttt	tgggaaatgg	gcgttggtcn	gggaccaagt	720
cttnacnnt	ttgggacnnt	acccanaga	aaaaggaaat	gggtcccttt	gggggaattt	780
ttgccaggac	cttacaattc	ttgggaanaa				810

<210> 4185
<211> 820
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(820)
 <223> n = A,T,C or G

<400> 4185
 gnnnnctttt gaaanccctt ttaanccctt gctcttgntc tttttgcagg atcccatcga 60
 ttogaattcg gcacgaggca gaggcagggc tagaatgttg gacttcagat ctcttacttc 120
 tgtgtgctag tgcaccattc ttagtccagc acagacaatt ctcaaacaga ttagcaaacc 180
 accctcttga aattgcaaga attgttacca tgtgatcaag gcatcataat taatgcaaac 240
 cctagtttct agttgggaaa gagattaaga tgggagacttt gtagtaaaaag atggacatat 300
 attttattca catagcttat ttattttgaa tgaaagacca agcaaactct anccttgggc 360
 tgcctgang aaggtgatct ntgaaataaa tgcnctgnan aatttgngga canngngnct 420
 nncctntgat ntatctgntn ttatccaang gttcnaatnn tgtncctntt natnccntat 480
 tccctnnaat ttttnttgna acnnnccnn natttcntna tngncccttt tcttncntna 540
 cncctntnac cntttatttn ttnnaannccc ntttccnnnn ncaatnctng ntentnaant 600
 cntnnncttn tntttnnctt ttannccctt tnnccnttnc cccctnnnnn ttaanacntc 660
 ctnccttatt anntcntncc tntttcttcc tccnntttct ttaactnntn nnncttccac 720
 ttctttacct tatatacntt aanntctctn tngtatnta aactcntnt atcttncctt 780
 ntctnctaaa tncatcctca natnnttagn nntcaacct 820

<210> 4186
 <211> 847
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(847)
 <223> n = A,T,C or G

<400> 4186
 nnnnntttnc nccnttttgc aaacccttgc ttctnctttc naattggctt ggatcgattc 60
 ggggaattct ctgccttttg gggaacagtt acagaggacc tnntaaaccc ttgtttngtg 120
 ccaggcccg agaccacaga gataacctgg gaccaggct ctgccatgg ggagctccca 180
 gccctgtgag gaagacaggc catcctcacc cagcacatcc tactgtaccc gaagagaggg 240
 cgcagtgact cattttttgc cgttggcatt aggttataaa gatggttgaa cgtccacaga 300
 aggaaaagga attcctggca nagggccctg cctgagcata ggcaggagg ctgagcagcc 360
 acgtgtgctt gagegctggt ttgncgaggc agcaagcggc ggctgtatgg tgttgctgca 420
 gctgtatggt gaaaggtgtg tgaaagctga nccaggaatc aaggctgctg gccacagacg 480
 cattgatgat ggtgacgtg ctggtggggc tgacacctga aaaaaaangg tgtcaagttc 540
 caaaaacaang gcctggcata caagtanggn ccacaagggg gaagcatgag ggaaatggct 600
 tngcccgcct ggggntccct ggganaantn ancaattntt cngnatgnnn aaggnnacnaa 660
 tnnnnanaac nnnnnnccnn nncnntnnnn annnnnnnnn cnaaannncn nnnnanncn 720
 annntnnnt naanattnnn nntntnnnnn nnnnnntnan aannncnna annnnncnt 780
 anctnnnnnn nannnnccnt tnnctnnnnn anaannngnn ntnnnnnnnn nnaannnac 840
 ccccnnc 847

<210> 4187
 <211> 884
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(884)
 <223> n = A,T,C or G

```

<400> 4187
cgcttggttt gagcnnctna anccttccca tgcgatncca attcggcacg agggacagtg      60
ggcctggccc gtggagctgc cacgcaggtg cctgagggcn nngtgccacg caggtgtctg      120
aggaccaggt gccacgcagg tgggtggggg acagacaaga tgctgggatg tccctgccc      180
catggtcaag ggtgtcctgc ctgcctgggt ccagggcctg agggagccac atggatcccg      240
agacttggtg tctcttgctg aaaacactga ggtgtcctca tctgtgcgtg gcccatgagc      300
tgggatggtc ctncagcttg cccacaaggt ccgnccctct gtctcttgca ccaacctgtt      360
tgcataaaca cactttgcta caatcttgct agtgcgtttt cttaaaagat aatctattta      420
ctgtaaaaaa taaattggac tttgcaaaag cttttagaag gaaaagaaag aggattaaag      480
agaattgctg gtgaaaaaaa aaaattccat aaaaaaaaaa aactgggaan ctttttagaa      540
cttntagttg aggtccgtan ttaccttaag ntccaagac cntggaatta nggaattcca      600
atttgattg aagtttttgg gaccaaaaac cnacaancnt tnggaaattg ccaatttgaa      660
aaanaaaaaa tggcctttta aattttgng gnaaaaattt tttgntggaa atgcctttat      720
ttgggccttt taaaatttgg ggtaaacccc aattttttta aaagccttgg caaattaaaa      780
nnccaaggtt ttaaacccaa ccaaaccaan ttgggcattt tccatttttt naatgggttt      840
tccanggggt tccaaggggg ggnaagggtt ttttngnaaa ggnt                        884

```

<210> 4188

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(781)

<223> n = A,T,C or G

```

<400> 4188
tgtntcttn cnncctcnn cgaatcnct ttgnttctaa ctttcctaat tacctgggct      60
acttgacta tccntcgcg nccatagat ggccnngtta ctaanggtga ntttccagcg      120
cggggggcac gtggagtcac tggaacattt gngcaatgct ggtgggaatg tcaacccgng      180
cnggcctctg gaatangcct ggcnnntcct gcnaagatga ccntgtgacc cagcaattcc      240
actcctagct ccaccacag gantngaaag cnaagacgca nacagatgcc tgngcnccaa      300
anttcacggc agcatcctnc gccatantgg cancatccgt cgtnacagcg gcatcatcct      360
tcatcattac ggcancatcc gtcgtaacag cggctacatc acttcgccac agnggcagca      420
tctgtngtca cagnggcngc anccttngcc aaageggcag cntccttcgt catageggna      480
ncatnctttg ccatanngc naggtggaaa ccctgncat ccactgagge ntncatanac      540
tanncatggn cagtcacagg cactggaanc cangccgtng aacggcgccn acggtanna      600
ggaatganac cntgatgcnc tggggccana catactggct anacanactt ggagacatca      660
tgcttanttg nannccant cacacttgc nncggcgtna tcctgtcac gtgatnccag      720
ccgaatgggc acttcaaatg ggaanaaggg ngatggcact nccggtnncc tnganagggg      780
n                                                                    781

```

<210> 4189

<211> 851

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(851)

<223> n = A,T,C or G

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<400> 4189
tnnncttcn nctcnaacng aaancccttg tattgccctt tatgcaggat ccctcgattc      60
gagcagctgc atctaggggc ccttggtgag atttactc antncctggg cggcccccgt      120

```

tagcccagat	tcaaaaggtg	aacatctgtt	tgcagaatct	gattcatgag	aaggtgagtt	180
tattgttttc	agtttagact	tttgggaagt	tggactagag	aggggagttg	ttggggtcag	240
tgctggctta	acagaaaaca	cagcgaatth	cccctccagt	tctccccaag	tccactgaac	300
aaggctagtt	cctgcaccac	ccaggattca	aaggaaagac	gaaggagca	gaacttgagg	360
cagcaacagg	taaacttcaa	gaaggagggc	aggagcccca	ccctacaggg	cttggganga	420
gccagagggc	cccatctgtt	tcttcttcca	ggagttgtca	aggcagcaga	aaggagtcac	480
ccagccaaag	gaggaagatg	gcttcaccgg	gctgcaccaa	ggggccaaga	agcccttacc	540
ccgtgtctaa	acccttctct	cacttccctt	taagccttgg	tgaaaagaag	tcaagaaagc	600
cccaaggctt	ctttttttct	tggtttcttn	aacttcaacc	agcttaaaaa	aatgggcttt	660
ccaggggtant	tggaaagttca	attgaaantt	tcaanaccat	tggtttgggn	ggtaaaaagg	720
ttttcttctt	tnttgggtnc	ctggaaaaaa	cctttcaatn	ctttcntttg	ggnggtcttc	780
antggtcmt	caaattcttt	ccccctnta	ttgaacattg	ccaaaaaac	cnancctttt	840
ttttttgnaa	a					851

<210> 4190

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 4190

tnnnttctaa	tannttggat	cttgtgtctt	tntgcaggat	cccatcgatt	cgaattcggc	60
acgagcccat	gtcccgcgcg	ctcgtctgcc	tggctgcggg	gtgacacggg	gcttcgcctt	120
gggaaggggt	cgagggaagc	agttagacgg	ctgccggggc	gcggctgccg	cgcggcacac	180
aatattttatt	taattgcccc	actaccactg	atgaagatat	attggagtga	ctgctgaaat	240
tgcttttttg	tttttaacca	gaggacagtc	catttgtttc	acttcttttt	gctttcttta	300
ctgctatgag	ctttactgaa	cggtcgaaaa	acttggaaaa	taaaatggac	atgctgtagt	360
cttgaacata	atttttttaa	ggaaaactta	aagtgccaga	gtgaaagcca	gaatggcatc	420
cagagagagg	ctctttgaac	tttgatgctt	ttattgtaca	aagaaagatc	cagattacct	480
gaagctgtgg	ttggacactt	ttgtttctag	ctatgaacaa	tttttagacg	ttgactttga	540
aaagctgcct	accagggtag	atgatatgcc	tccaggaata	tctctgcttc	ctgataatat	600
tctgcagggt	ctgaggatcc	acttctacag	tgtgttcaga	aaatggcaga	tgggttagan	660
gaacaacaca	agccttgatc	attttgcttg	caagttcttc	attattcttt	gcaggatatc	720
agtagaaaaa	ataaccttgt	t				741

<210> 4191

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 4191

ttggnnctng	ttctttttgc	aggatcccat	cgattcgnac	cgnccggcca	gctgncagg	60
nacaggggct	gtaggccag	ctcanaccac	ttnggagctn	tggctntntt	caaaaacatt	120
gtngactctc	ttaccacac	attcctnngc	tggaaagggg	gattgacaaa	ccagcatcat	180
ctctangtta	ctacaaaagc	cctcnctgg	aattattctt	aactnancag	ctggtagcga	240
tccattcnga	aaaagagtac	nntagactga	gttncctctg	tgntnaaann	nctgaanagc	300
ctnctaantn	tacctancgn	aaaacctana	nnccttttnc	tggcctgcta	ngccctgcgc	360

cctntggccc	atcntntacg	accacctnta	ctactgccnt	tctgtnaggc	ctntgggccc	420
aaacctgtnc	ctatnaatcc	agatggcctg	aattanctga	acaatgacan	angatgnnaa	480
aatggcctga	tntgcctta	gctgatgaca	ttaccttgna	aaancncttc	tcctggctca	540
tccnggctca	aaagctnncc	anctgagcac	tgggacctaa	acccctgtcn	nccagaggaa	600
nnaccncta	tgactgtaat	tatccatacc	taaccgatac	ctataaanatg	gcccgcccnt	660
tctccnntcg	ctganctttt	cggacnnanc	ccgctgaccc	aagtgaataa	aacagcnngt	720
tgntcacact						730

<210> 4192

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (730)

<223> n = A,T,C or G

<400> 4192

ttggnnctng	ttctttttgc	aggatcccat	cgattcgnac	cgncnggcca	gctgncagg	60
nacaggggct	gtaggcccag	ctcanaccac	ttnggagctn	tggctntntt	caaaaacatt	120
gtngactctc	ttaccacac	attcctnngc	tgggaaggga	gattgacaaa	ccagcatcat	180
ctctangtta	ctacaaaagc	cctcnctggn	aattattctt	aactnancag	ctggtagcga	240
tccattcnga	aaaagagtac	nntagactga	gttncctctg	tgntnaaann	nctgaanagc	300
ctnctaantn	tacctancgn	aaaacctana	nncctttnc	tggcctgcta	ngccctgcgc	360
cctntggccc	atcntntacg	accacctnta	ctactgccnt	tctgtnaggc	ctntgggccc	420
aaacctgtnc	ctatnaatcc	agatggcctg	aattanctga	acaatgacan	angatgnnaa	480
aatggcctga	tntgcctta	gctgatgaca	ttaccttgna	aaancncttc	tcctggctca	540
tccnggctca	aaagctnncc	anctgagcac	tgggacctaa	acccctgtcn	nccagaggaa	600
nnaccncta	tgactgtaat	tatccatacc	taaccgatac	ctataaanatg	gcccgcccnt	660
tctccnntcg	ctganctttt	cggacnnanc	ccgctgaccc	aagtgaataa	aacagcnngt	720
tgntcacact						730

<210> 4193

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (774)

<223> n = A,T,C or G

<400> 4193

gtnnccnnttt	ctaattgcctt	ggnnntnncc	ttctaattgt	tggctcttgt	tctttntgca	60
ggnatcccat	cgattcgaat	tgggacagag	cctagttagt	ctataatcaa	gcaggaaatg	120
tttatggaat	ggaaagatta	aggaaaagg	atgttcttat	tttagcaata	aaacgaatac	180
cagaagcttt	aacattcacc	agtacaaata	aatagtttca	atggaatagg	tcgaaagtaa	240
aggacatca	ctagagtaaa	tgctagacct	tccctctcct	tttattttta	gcaacagcaa	300
agcagaaact	aagatctaca	agtgtacaaa	gagggtgatc	cattcagttt	ctgtgtagac	360
aggaataata	ataatacctt	ttacatattg	gtacagtttg	taaaaaact	ttcacttact	420
catttaactc	tcatagcaac	ttgatgaggt	agaatactat	aggaagcagt	attagctcag	480
gttggtacgt	aaattactgt	gtttaaatgt	caataaaaca	gctatggaat	ccaagacatt	540
cttggcgctt	aataaactgt	attctttgcc	aacagtga	gtgcttctct	gttgcttggt	600
aagttttttc	cccttagaat	actaataaag	taattgatta	actttcat	ttattttgat	660
ttgattggga	cagcaatttt	agcagtaaaa	aatgtcacct	ttataaatcc	tgtggtttct	720

ggctcttggn c aagttaaatt caacctgacc aggaaggcac gctttaattc ttat

774

<210> 4194

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (771)

<223> n = A,T,C or G

<400> 4194

gnaacntttt	gnaaancctt	ngttctaann	gctgggntcn	nttggtntct	gcacgatccc	60
ntcgntncca	attcggcacg	aggtcagatg	ttcctggntt	acgttgagct	ncantgaagt	120
gagaggggca	nagggggcct	gggaagtcac	aaggtcangg	agaggagaag	aagcgtgctg	180
gatgagtcac	actgnaggac	tcaagccagt	aggttcttgg	tagcccgntt	actgacctgg	240
agccangcac	tgatagcaac	gtgtntctctg	agggaaggcn	aatggnaaat	ccaagcangc	300
actgggactct	gcctgtgaca	ctcttgtggg	gcctggaccc	tcnncctaag	ngagcttggg	360
ccantcagag	ccaccccagg	ngcccctncc	ttnatctcca	ttgtggcang	cacaggaaca	420
ttgtgatacc	canaaaatgg	actcctgtct	tgtgcacagg	atgcacctgn	gttttctatc	480
ttncattcct	gaganctntn	nagccaggag	gacctgantt	gaatcctgac	tttgccnata	540
tnaatgacta	tgtggctgtg	ggtaacttac	ttatnctaca	tgagactact	tgtttcatct	600
gccggaaaaa	gtaccatann	atctgccttg	ccnttattga	cttnaggata	aatcaagtcn	660
gntantaaag	ggaaanntnt	gttncaactg	aaaaatcaat	taatggttca	ttgttctctc	720
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<210> 4195

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 4195

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atttcaattc	agttgccaaa	tagagcagtg	ggcaatgtta	acggaaacaa	ctgcaattgg	180
cgcagtatgg	agtgcctatc	gcactaggaa	atctgagggt	cacaaaagaa	aggagatgtg	240
aggataagaa	actttgtttt	tcccttggtg	ggaactcttt	aggcctcggt	ttctggtgac	300
agccccaggg	atcatcaggc	ccggaggaaa	tgtgactatt	ggggtggagc	ttctggaaca	360
ctgcccttca	caggtgactg	tgaaggcgga	gctgctcaag	acagcatcaa	acctcactgt	420
ctctgtcctg	gaagcagaag	gagtctttga	aaaaggtaag	ataaacagca	taaagtctta	480
cccttctgca	gtaataactg	gaatatgtta	ataaggcat	gtgttangta	gtatagcaga	540
gaaaccccaa	atttgagta	tcttacctaa	tatactttta	attctcactc	atgtaaagtc	600
ctagatgggtg	tcctggatgc	tcttccaagt	gccagattca	gagaccaggt	ttccttccat	660
tttgnggctc	cattatcatc	acttggctnc	caagactgca	ggggaagatc	atggatttct	720
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<210> 4196

<211> 763

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 4196
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 ccaaggattc tattgccatg tgttgaggag taggagcaag gagatagagc aggaccaatg 120
 ttacaataag aaccactat taaccccaa gaatctgtct tgtgaggag ataaatagtt 180
 atcacatg cgataagtcc cacaccagca catgaaaaga ttagaagaac aagagaagg 240
 aagaaacctc ctgacctgtt tcagggtggg atgcttcata aagaggataa cagttaagcc 300
 actaacagta atgcctctaa tcttgaatct gttacctact agttttgtgt ccctgggcag 360
 gtaacttcat gtttccttgc atcagcttac ctttaaaatg agaataatga taattatcta 420
 acagggtcct tactgaggat tctgtgagat aatgcatgga aagagcttaa gtccatgcc 480
 aggaaatact aagtgtctca agtaaagcat ttttttttcc ttttttatta cctagtccca 540
 caagagcaat ttttttatat caagattagc tttaaattca gaaggaaagg gaataactga 600
 atggctcatt gccagtaacc ttatattgat gccatgtttt gactttgaga ctttttttg 660
 agtcttttn aatggnaata cagggttctg gtggaaacca ccctgttgt caaaaagttt 720
 cmntgacctt gtgtgtgtgt gnggggtgt acacatgtgt cct 763

<210> 4197
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(774)
 <223> n = A,T,C or G

<400> 4197
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 ancccatcga ttcgaattcg gcacgaggag gcaggcaggg cnttttgggtc ccttgttcag 120
 ctgttatggg gcttaggcca tgctcagtgc tggggacagg agttttgccc aacgcagtgt 180
 cataaactgg gttcatgggc ttaccattg ggtgtgcgct cactgcttg gaagtgcagg 240
 gggctcctgg cacattgcca gctgggtgct gagcatngan tcaactgatct cttgtgatgg 300
 ggccaatgag tcaattgaat tcatgggcca aacagggtccc atcctcttca tgacagctgn 360
 gagctcctta ctgtgggaga gctgcaggga gccaaaggagg gctgcctgac acacttgccg 420
 ctctcgtgtg aatccaagaa actgcnttnc tcaaaggggc cctggtngtc acctctncc 480
 acagccattt ccaccatcg nntgtctaga atctctttca ttagcacatt ccaaccctc 540
 tgacactngg tttaaaaatg agtccctgg ctcantgggg ccttntagaa tctggaacca 600
 gacggagggtg gaagttaaga agataggaca gaacaagcag gcccaaagng ctatgggttc 660
 actggggana gaccattaat tctncagatg cttttactcc tgatggcttt taccattat 720
 tcttttcngt ttaagagac atgggctnac tcttgnaacc aagctgggaa tgct 774

<210> 4198
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(774)
 <223> n = A,T,C or G

<400> 4198

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ntntttnnnn nmctnnttgg aaacccttna aggaaanacn tggcccttcg caactncagg      60
ancccatcga ttcgaattcg gcacgaggag gcaggcaggg cntttgggtc ccttgttcag      120
ctgttatggg gcttaggcca tgctcagtgc tggggacagg agttttgccc aacgcagtgt      180
cataaactgg gttcatgggc ttaccattg ggtgtgcgct cactgcttgg gaagtgcagg      240
gggtcctggg cacattgccg gctgggtgct gagcatngan tcatgatct cttgtgatgg      300
ggccaatgag tcaattgaat tcatgggcca aacagggtccc atcctcttca tgacagctgn      360
gagctcctta ctgtgggaga gctgcaggga gccaaaggagg gctgcctgac acacttgccg      420
ctctcgtgtg aatccaagaa actgcnttnc tcaaaggggc cctggtngtc accttctncc      480
acagccattt ccacccatcg nntgtctaga atctctttca ttagcacatt ccaaccctc      540
tgacactngg tttaaaaatg agctccctgg ctcantgggg ccttntagaa tctggaacca      600
gacggagggt gaagttaaga agataggaca gaacaagcag gcccaaagng ctatgggttc      660
actggggana gaccattaat tctncagatg cttttactcc tgatggcttt taccattat      720
tcttttcngt ttaagagac atgggctnac tcttgnnaacc aagctgggaa tgct      774

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<210> 4199

<211> 1068

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1068)

<223> n = A,T,C or G

<400> 4199

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tccctttnaa ctccttgaat cccttgaatt ncttatccca tcgattegct gatctccaga      60
cccataaggg agatgctgag tagacaactg gggctttttt ggtctggagt tcagaggaga      120
gatcggaag gtgtccattt ggagtcaccc acgcagagat gtgtgaaggc tgctcaatga      180
ttttgaggtt taaagaaaaa aagagatgtg aaaccagggg ccctgatgag gctgcccagg      240
tggtaaaggaa gacagaagag aagccatggg acagctgagc ccgggcaccc tcaagccttg      300
gaggcatgaa gnttgggtgg gatctgncnn naaacacctg nnanctgtca gngggccanc      360
anacctnta gtntcacnga nnnntnncnn nangcaaat ggnctnttna anatctcngn      420
ttatntaccc ntgnagtca ngnnngacta cntnanaaca tncnratatg naaanmtatt      480
tcgcnagact cngnctttaa ccanntctgt nctttnctct ggggtacatgn tcgmnatntt      540
tntnnggaaa anattaattg gctntttnt ntanctnngn ngaactgtaa anttnnacc      600
ttcnacannn aannttntct ctngggggt ncttncaatn nacntaatan ggnacagmn      660
nannctnanc anatnannaa acccttannt atannacnnc nnnannaaan anttannngn      720
nntntacncc cananctntc tntnnaaaaa tnggnncct tcntcnnaa aaancntcat      780
nnntnantnt atannnggc ncatttnact ctncctcat aanantcnnt ngnnntcccc      840
annaaatctg gggnaacaan ctttgnntc aaannannnc tctnctnnnc nctcacana      900
gncanttnnt ncaannngnc acttacnna antntntcta ntatatctnn cngnntcnn      960
nnatntnngn cntntctna ancnttttta tttnnanana nnaacnttan anccctatn      1020
ncttntteta naagcancnc naacaanttn tccnngncnt cctnnncc      1068

```

<210> 4200

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 4200

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tnnnnttnnn nnnctcttca aatccttgtt ctgcctttct gcaggatccc tcgattcgaa      60

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ttcggcacga	ggctgtcggg	cctcagcaga	gctgcctacn	cacctgagct	ccgattcatg	120
tactacgtcg	atggcagggg	ccctgatggg	ggctttcgtc	aagtcaaaga	agctgtcatg	180
cgttatctgc	agacactcag	ttgacacttg	ttatatcatg	ggaccccggg	aattggagtg	240
aagctagaaa	cagaaaaccc	atgcagggcc	tcggattccc	acaaatgtga	caagaggtat	300
agggagttag	tcgcagcgct	ttgctcgtga	ccctgggata	agagcaccca	tcaggcttcc	360
attactgtgg	gctccctaag	aagaccatgg	agagcttggg	gactcccca	ggaaggccgt	420
gaagctgggg	attcccccta	ggaaagccat	gaggaactgg	ggactcccca	agaaggccat	480
gaggaagcca	gaaattggag	gtggtaggaa	gtggtactga	tcaatgatgg	ccagcaggac	540
tcactctcctg	cctaactgga	caggaagcct	gcacccactt	ctgtcttncc	ctggaactgg	600
gcactggcgt	acactgggtat	ccctcctaaa	gaagtgactc	acctgactga	tcagcaagaa	660
gcctanatgc	aggcctacca	tggatggctt	cctagttgcc	tggggaaacc	ctggaatggc	720
atcaggagaa	agcaccagga	atccagtcct	tcnct			755

<210> 4201

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (766)

<223> n = A,T,C or G

<400> 4201

naataccagc	tacttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	cacgagaagg	60
ccttaggctt	tttttttgta	gggtgagagt	gggggagaga	tctcttgctc	tgttgcccag	120
gctgggtctc	agctcctggc	ctccggcagt	cctcccacct	cagcctccca	gagtactagg	180
attatgggca	tgagccacca	cacctagcca	ggctttttat	attgagttgg	ttatatatgc	240
ttcatagcca	cactttataa	tattggagta	tagtattaaa	ttacagcttg	ttgtcaagtc	300
agtgtttctg	taagacagta	tatccaatat	tggtagagt	aacacctatt	tggtagataca	360
gatcaacagg	gtgtctctga	ttaatttagc	tcctacatag	ccagaagcaa	gttcattatg	420
atttagaata	ttgtacatgg	ttatgcagga	atcatcccaa	cctatctgtg	tttataggtc	480
agatgatgtt	cagttttatat	ctgctgatag	tgtatatgca	ggaaaacctt	taaaaccact	540
tcagacttgt	taaaacagtg	agaaagccgt	gattgaaata	ttaatacaac	ccgtgtggta	600
taaaatttcat	ttacantggg	aatgtaaatg	ctgtcatttg	aatcttgnca	aagcctgcta	660
ctaaaactct	taaaaancctt	gctaggggaa	taagtcttta	ntnccaaaaa	caatatanan	720
ggggatgtgn	gtggataata	caaggacaac	catatgttgg	tggcnt		766

<210> 4202

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (791)

<223> n = A,T,C or G

<400> 4202

ggnnnnnnn	gggaacattn	cncnanatgn	actcnttgca	aacgccccnn	aatgcaggat	60
cccacgatt	cgctgaaacg	gaaacctttc	gcaaagcctg	tcgaggcaga	ggattttaca	120
cacatccttg	acgtggcact	gtgtcttcag	gggtgctgcc	ctcttacaga	gagacagatc	180
tggaggccat	ggcgtttttg	gtgagaaatg	ccagaaacag	cttcagtttc	cacctactgc	240
ttcatattta	taatcacagt	aatctatttc	tcgnttngct	atttctagag	caacaaattg	300
tgtgatgcga	aattagtacc	agaggaacaa	tgactccact	taacaaaaaa	atagcaaggg	360
aactatgaaa	aatggcacia	ctgcttaact	ttaatagttg	aagtctttag	gagacttcag	420

tagttgaaat	gacacagaaa	aatcctcaaa	ctaacatacc	tacatgaaac	tgagtttctc	480
aaagtaaccc	acatttatgg	aaatagaagt	ttgnnttgca	gaaacatcag	cncattttgt	540
aaggngtatg	tgatatttaa	anttgtgatg	cttgngaata	agggaaatggg	gctntaggtc	600
tgaggaaaagg	ggagcattca	ttcaaactgg	gaggggggtt	tgcatTTTTa	aggetgctat	660
aagggcacga	acttggngga	gacttggacc	ngntttccgn	atgnatnggg	gacnctctgg	720
tctaagccat	tgggggngnc	nggactttct	ccaanattct	ntccaaacnt	gnctctctta	780
atttctccga	a					791

<210> 4203

<211> 844

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (844)

<223> n = A,T,C or G

<400> 4203

ggnnnnmtgn	nnntttcnaa	tnctngctac	tcgttctttt	tgaggatcc	catcgattcg	60
aattcggcac	gagattacaa	caatatggat	agtagggagg	aggaaaacaa	gaggagaatg	120
ggatcaacag	aaggcatata	tggggagtgt	ctggatggct	ggaaaattcc	attttttgac	180
caagatgtgg	taaacacggg	gagtaaagtt	ataatttttt	ctcttactgt	gcttttaggt	240
tttgttgctt	tctgtctgta	tgctgtgttc	cacaataata	aaaatatTTa	aaaggcaaaa	300
aaaagtaaaa	taatgaatat	aaaattacac	tgaaactaca	tattctcata	gatagaattg	360
taattattag	agtttttgct	gaataaagtc	aaatagacta	ttatagtagt	tataaacgca	420
agttaaaatt	ttagggccgg	gcaaagtggc	tcacgcctgt	aatcccagca	ctttgggtgg	480
ctgaggcggg	tggatcacct	gaggtcaang	tgttcangac	cagcctggcc	aacatggtga	540
aagcncntat	ctactagaaa	atntaaaaaa	tttncctggg	ttttggnggn	ggggctcctt	600
taatcccaaa	ttactnnggg	gaggggtttg	ggcaangaaa	aaatttnttt	caaactttgg	660
gnagccccc	ggttttntan	ngggcccttn	naaatttttn	ccaattnccc	ctttcaagcn	720
tnngggggaa	caaataatta	aaaacnccnc	tttttcaaan	ttngaaaaaa	aaaaaaaaaa	780
naaaaatttg	gnnccttttt	aaatttttng	gggggggggaa	ttttnnngaa	aaccccccaa	840
tnnt						844

<210> 4204

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (777)

<223> n = A,T,C or G

<400> 4204

aaaacnacag	gctactngtt	ctttttgcag	ggatcccac	gattcgaatt	cggcacgagg	60
aaagttgaaa	tcctagttcc	tggagtcctc	tgtgatggca	aattctgcct	tccttgtttc	120
ttcttttttt	ctcctctgtt	ttcccatttt	agtagttcaa	atgggttttg	tattattgaa	180
gacaggtatg	tctcaaattc	atggaactca	caaaaaaggc	tcattttcta	tcctcaagga	240
gctttacatc	taatggaaaa	cacacagtga	agtccagaag	gactcactgt	ggactggtag	300
caccatgagg	gctttccatg	aagaaggact	taagccagac	ttagcagggg	gggcaggtgt	360
tgaaaggagc	tcatagattg	ttccaagtta	ggagagcatc	ataaaaagag	atggaaattt	420
acttgctaca	gtttttagatt	tgctctgctc	atagcagaga	gtccatttca	gagcatatag	480
ggattgtcag	gacttaaaac	ctgctgtatt	tcttacttaa	gcacccctct	ccccagaatg	540
ataagagccc	ancctttggg	cttggaatgg	gagtagaatg	tgggtatact	gtctatcata	600

tganaaaatt	gcntngaacc	aacccccccn	cncncaaaa	tgctgcatg	tnaaactggn	660
gaacactggg	taatatanat	ggattattat	caatgtcaac	ttcctggact	ggngaatttg	720
gcctataggt	ttnccaaaat	gtccccctga	aanaaaaagg	ttttgggggc	tttnttt	777

<210> 4205

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(828)

<223> n = A,T,C or G

<400> 4205

nnnnntnt	ttaagaccag	ctcttgttct	ttntgcagga	tcccatcgat	tcgaattcgg	60
cacgagagaa	gctccactgg	cacttttgta	ttcacaacta	cgggtgcga	taaggcagtg	120
agggttatta	tgataccctt	tttcacaggt	aaggaaacaa	ggctcanana	ggttcaacaa	180
cagagtcata	attcttcttg	ttggagaatt	cattttgnta	catttcattc	ccaccatctg	240
cagtaaggga	gaccatttaa	aatatactat	cctgattttt	aaagagaagg	taacattaag	300
gccnnnagg	tngggatntn	nccaanttca	ctntgggctt	ctggactccc	atgcccacaa	360
gcctgcatga	tgcanaaagt	tccctcaaga	gcctagtgna	tgattctttt	ttngtgccan	420
ganacagact	gtggacctgg	agagggttng	ggggctggag	aantagagga	ggtgganttt	480
ctacaacagg	ggntattgng	ggggtantaa	gaccaatgac	tacataaggg	cctnctgttg	540
gtcttngncc	agaaaaatgc	gtctttagcc	ttttaacgan	tgcngtttnc	ctccattana	600
taaccagntt	taagccacng	gtgttngnt	gggcaccatt	ccannngctt	tngggcncat	660
ggtntnttaa	accnaagtcc	ccctcnatca	anngttntt	taannanggg	ngcctttgan	720
ntnttttttc	tttcctccag	nnngaangga	acntgttngg	gctnnntntg	cctttttggn	780
nnaaaaaatt	tttttttnc	gggttcnna	aaaancttng	ntnnnttn		828

<210> 4206

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(834)

<223> n = A,T,C or G

<400> 4206

tncaatncng	gctctngttc	tttttgcagg	atcccatcga	ttcgaattcg	gcacgagcgg	60
acctctagtg	cctgatgttc	actttcttca	ggtcctcaat	ttcctacatt	taagctgttc	120
ggttaaactt	ttccatattc	agcttgagat	caacctcctt	tacataactg	attatttttg	180
ccttgaggag	aaaagatgac	gctaaacaca	gcacacatgt	gtttattata	tggttgtaat	240
gtggaattca	aagatgaaag	agacgtgagc	tgcatcacta	aaaaagaaac	atattacata	300
aatgcaatgc	tgatatcata	gataataaaa	ttaacactaa	ttttttgata	ttatcaatta	360
tgagtgccat	aatcagattt	gttttgtgct	tagaaatgac	tttttacagt	tggtttgttc	420
aatccagat	cagataagtt	tcacacatta	aatctgttta	aaaaccaatt	tttaaacacag	480
acgactgtta	aagggccaca	tggggaagct	ttatgggaatc	ttccaacaat	tttgttgtcc	540
cagctacttg	ggaggctgag	gcaggaggat	cccttgagcc	caggagtcca	agactgggca	600
acacaaagaa	accccatctt	ttggctgggt	gcggtggctc	acacctgtaa	tcccagcact	660
ttgggagccc	gaagcaggcg	gatcatgagg	tcaggagtca	agaccagctt	ggccaacgtg	720
gtgaaacccc	gtnttcaacta	aaaattcaaa	aattagctgg	ncatggtggc	gtgcgtctgt	780
aattcccagc	ttcttggaag	ggttgaggcn	naanaatctc	ttgaaatcca	gnat	834

<210> 4207
 <211> 782
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(782)
 <223> n = A,T,C or G

<400> 4207

ctaattctng gctactngtt ctttttgcag gatccctcga ttcgaattcg gcacgaggac	60
acccagttta agggacattc tgtacgggtc ctgaatggcg ctctgaaaa ctgtgcaggt	120
cctcaaggct gaggaaagcg taaactgtcc cagaccaggg aggccaagga ggcgcgatga	180
ctcaatgtca tgtggtgccc tggatgggat ccagggacgg gaaaaggaca cttgggaaaa	240
actggtgaag ttcacgcaaa gtgtccgggt tagttcagca tcagagacca atgatggttt	300
cttggttgtg acnaaaatgt tccatgggtc gaaagggtgc aacaccaagg gaagctgggt	360
nagagggcta ccagaatcct ctctactgtc ttttcagctt ttcggtaaat ccaaaagtac	420
tttcaaatga aaagttaaat ttaaaaatga gaagccacct cccccacgag atcatgaagc	480
tccatgaagg ccaaggccat gttaatgcca aatgcatgtt gggtgaattc actcgtgttt	540
gggtgaattt actgatgttg gttgaattta ctgatgttg ttcaatttta ctggatgttg	600
ggtgaaatca tttcatgttg gttggaattc acttattact gnggtnccta ccatcttngt	660
tgcagccctc ttcattcttt ttttctnaat ggncaaacaa ataantnggn tgtanttaca	720
tatttattgg gngtntaaat ggnggataat ttaatatntt gtttttaaat gnnngnatna	780
at	782

<210> 4208
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(882)
 <223> n = A,T,C or G

<400> 4208

atnnnnnntt tctaatacnn ggctactngt tctttntgca ggatcccatc gattcgaatt	60
cggcacgagc aaataagtta aatgtatatg gcattggatt ggaattggag gtatcagtgt	120
gaactcatgg ttttgggttt tttgtttttt gccttttttg ttttgttttt gttttttgag	180
gcaggtgtgc actctgttgc ccaggttgga ngaaatactc annaacgana cncatnngtg	240
tatcanaagc tgctacgcnt ntcattggnt tggtanngan cnacacagat agtcntnntg	300
tattcancga cttannctan anagagacag natgggaatt aantgttaan gtgctagcca	360
acaagtaaag attcncataa aacaanggtt atatnccag tcatcaaagt gataaatttt	420
ccctgctaac tttagattaa aaagtanttt ttangccann ttgtgngngg ctcacacctt	480
ttntccctn cactttttng caggcntnan gggtngacna natccccctt nacnnttcan	540
gaantnttcn nnnaccctcc ccttgggcna nncantggnt cgnaaacccc ccatcntttt	600
tcncaaaaa aattcccaaa ntctgcngc caccgggnnt ngnnntnccg tggtanccnt	660
gattnttttc ncncttccan ccggnnnngn cncnacngcc ananaaaaaa ccttcnttnt	720
ancctngnn gaggcncnn gtctcncnat ngnncccnna aaattgggtt cttttagnan	780
ctcnttacc ctngcnnnc nganttnaan cnattctttn aaataaaaaa accctcctta	840
ancttattat ngagtcgta tttncntanc aaccntacn tc	882

<210> 4209
 <211> 881
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (881)

<223> n = A,T,C or G

<400> 4209

```

nngnntnntn ntttctaacy ttggtctctg ttctttttgc aggatcccat cgattcgaat      60
tcggcacgag agaaagattt tctttattaa tgacccaac cgtatttctt tagatacagg      120
agttttgaac tcaaatactt aggagaaaac aagttatgac tgcattatcc tgcaactcat      180
taccagtaat atattgcaaa gcgaaacagc ttggaaaaga ggggtgggaga aaaggggaagt      240
gagggaggga agataaagaa aaggaattaa gttgatcaag tgggaattctt tttttttttt      300
taattcttgg gaactatgaa gtctttgcaa gcacagctcg tttctgcaga ttattttcca      360
aacgtgtaca aaatggaacc aaaacggaga atcccttaag aacctgaaga ggcgcaacat      420
taaaagctac gattatccag tagcaagtgt tccagccttc agttgccagc cgcttcctcc      480
tcttattccc aagattagcg ggatgaaaac gtcttccccg tgattgtttt catttctttt      540
ttctcggcat ctgggcgtgc gcggttcagc accttgagga agtcagacgt tttcgccgcg      600
atcgtgtgtg aatataggcc ttagagcact tgatgtggtg gtgcaggtag tcccggaacg      660
tgtggatcag gttgatggtg tttgtctcga gcncncnnnn tnnntnntnn nntnnnnntn      720
nnnnnnntnn nctcnntnnn ntnnnnncct tncctnnctc tnnctcnnct cncctcnnnn      780
tctnnnnnnt nntnntttct nnnnnntttt ntnnnctctn nnnnnnnncn ntntcnnnnn      840
nnnnntnnnn nncctttttn nnctnnnnnn ncnctcnncc t                        881

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<210> 4210

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (785)

<223> n = A,T,C or G

<400> 4210

```

ggnnnnnnnt nnnntttaag atcagctatt gttctttttg caggatccca tcgattcgaa      60
ttcggcacga gatcacatct ctcaagtttt aaaatgggtt tttttgttgt tgttgatggg      120
ggggagaggg tccagcagct tttaaatggt ttcacatcgt gtgttccaaa aataactggt      180
tagcctaagt cacttcacc ctccaatggt gtgaatgcag tctctagcat tcgctattta      240
atgtcttctt cctgcactat ttgagaaatc gcgaggtcga ctttaataccg cagtcgccac      300
ttcncggacc ggagggcgga gtctgcttag ttctgaggac tgcgtgggtc cgcgcagaga      360
gctcctgcta ggctgcgcg tccggttcta aattcttacc cttagttct tgtcaccacc      420
cccgccgtgg gaacggcctg acagtcactc gtcaaaggaa gtggctgccg gcagctcttg      480
acctggaatc ggatcctagt cccacccctc ncgnccaggc tttcttctgc aacaggcgtg      540
ggtaacgctc tcgctcggtc tttctgccgc catcttggtt ccccgttccc ttgcacaaaa      600
tgcccgnga aaccacagaa acctgcctt gctacagagc angagttgcc ganccccagc      660
tgagacaggg tctggacaaa atctgacant gatgaatcnt cccagagctt gaagaacagg      720
atctcaccca gcaccacaca acaagcccag ctggcggcag cagcttgaaa tcnatgaaga      780
ccatc                        785

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<210> 4211

<211> 839

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (839)
 <223> n = A,T,C or G

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<400> 4211
tngnctnnnt tgttanatct ngnttttcta atncttggcn atcgnantnt ntgcaggacc      60
catcgattcg aattcggcac gagccgacta cttgtgcagt ttgccctgct gagccctcct      120
cgccccggga ggcagaaggg gaggggtcct cagcaatatg ctgagcacct cctaaacaac      180
atcacctgaa aaangaacct agangaganc cattctcaaa tctgatcctg gactgagctc      240
gagagctggg ttgagagctg ggttgatcaa agttgggatt ttgtattat tgtgacaaag      300
ggtccagcct tgcagtccan atcctgaaag gcctgggaca aggccaggta atttggggag      360
tcctcctgc atttgtgcag gatgttcagc ggcctccctg gccaccact atgatgcccg      420
cagcaaacc ctcagttggg acatttaaaa atgtctccag acnttaccac atgggacagc      480
attgnacca tttganaagc accgggttag agcaaataca caaatntnta aaatgggaga      540
tttgggccgt ggngngngcaa gcctgtagtc caatntcntn ggaggccaag gctggggagga      600
tcntttnatc cccaggaggt anctttccgg nngggcgaat aactgcacca ntgaactncc      660
atattgaatt gaacagaanc ccangacnct ttnttttttt aaaaaaaaaa atntntntaa      720
naaaanaaaa cttngnnncn ttnttaaaaa nttttatngg gangtnggtn ttaccgttga      780
anccccnncn ttgaaaaana aancatttgg ttaagnttt gggccnaaac ccacancnt      839

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<210> 4212
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (794)
 <223> n = A,T,C or G

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<400> 4212
ggnnnnnnng nnnnttcnat nnnagctctn gttctttttg caggatccca tgcattcgaa      60
ttcggcacga gagtttaaaa atacttcttt gtaaaagtta ttgcacaaag aaaagacatg      120
aatgtgtccc tgttatgtac tcacaaggat aatgatgggg ttgttgctca ttaatactgt      180
ttcttgtgca ataactttta caaagaagta tttttaaaact gatcattaat tttatgacca      240
cagaaatgag atgcaaaatt tatgctattg tcagtggcac aggctcacag caccactgac      300
attttgtgtg attgtaatag aatggctgcc aactaatgat tctgtagaca tttcatttga      360
gtgtgctttt ctttagatgt gtgattagct gtaatgcttt cacttatgtc tgtaaattat      420
attggatatg tttacctgat gcctattgtt gatttggagt tcagttttgt attacataaa      480
tgcaagttga actttttttt tttaatttat agaagtcctt gcagggtataa ctacaaatac      540
tcagcccctg gggaggaaaa atgcttttga ctactcaaca gtaaccctcg cgttcagtta      600
aaactcctta taagacagca gctttttactc tttattgggt cgaaaaaaaa aatanggggg      660
aggaaaangg gatggaccat cctgggacaa tggttaagaat gaagaanacc atcttggaag      720
aatgaggngt ccttccctta atgcaaggtt aaaaaggggc tnntccttna tatatagcaa      780
tatagaatct ttgg

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<210> 4213
 <211> 775
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (775)
 <223> n = A,T,C or G

<400> 4213

nnntaaganc	agctcttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgagca	60
gagaggcagg	gataccagat	atggggaaat	ctgtaattac	atgcaggcat	taaatattta	120
aatatatatt	ttcttctttt	aattgtggta	aaacacatat	aacataaaat	ttatcgtctt	180
aaccattttt	aagtgtactg	ttttgtagt	ctgagtgtat	tacattatta	tacaaccaat	240
ttccagcacc	ttttcatctt	gcaaaactaa	aactctttac	ctattaaaca	actactccct	300
gtttctccct	cctcccagtc	catgagaagc	accattttac	tatcttttct	gtgagtttga	360
ctctacaaac	ctcatgtaag	tggaattatg	caatatgttg	acaaaccaaa	ttctgtacaa	420
tatttaaaaga	ggtttagtct	gagccaaata	tgagcaacca	tggcctagga	cacagtctca	480
agaggtcctg	agaatatgtg	atgtgcctta	ggtagtcagg	tcacagcttg	gttttgtcat	540
tttagggaga	cagaagttac	agacaaagac	atacatcaat	acccgtaagg	cacatgttgg	600
ttaagcctgt	ggaaagatag	gacatcttga	aaccaggcca	tcacatgtca	cangtggatt	660
caaagatttc	tgattgggtg	aaaatctttg	gttgggtgna	agaagttaag	ctttgnctaa	720
aggcttgga	gtcanggaga	aacaattgct	ttgagttaaa	ggtaangggg	gtgng	775

<210> 4214

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(797)

<223> n = A,T,C or G

<400> 4214

tnnnnnttcn	aatactngct	atttgaactt	tatgcaggat	cccatcgatt	cgcaaaccgg	60
anatgggttn	tttttcgngg	ggngggggang	gaacanattt	gcattaacaa	ctactgngaa	120
ttntccatnc	aangataatc	tcncatgtcn	aanancctnt	ttnttaaatn	nngaattgggg	180
ttgggcttat	cagaatannt	ntttattaga	ggcttttttn	caaantcac	nggttnccac	240
tgnaancccc	cataatnntn	tttttaancn	gctgntctan	ggatgagccc	canttanttn	300
ntgcaagnng	ggananacnn	nntgtgtnan	tncanatnnt	ntgctngaac	cngnncactn	360
nttcataact	agctngancc	catttcccg	gnacttcgg	cgntnnannt	tnttangccg	420
gccnnaacca	atgantagg	gaaaaggacc	cncatgtnac	ccccaangna	tanaccccat	480
atttccatga	antannacct	tnttctgtng	ggatgcccc	tcttagaanc	tntgggncat	540
gnggagngna	agccctgagc	atttntntna	acatgcctac	ttactncncn	aanttgcnag	600
ggantgtgnc	ngtgcantc	catgaatggg	gtanggcgca	gatccncgca	aacagcccan	660
ttgntaccca	tgagatatgg	aatnttcctn	nctatggcaa	antaatggcc	natttncaaa	720
nttngggaca	aantgaaagg	acttgtgttg	ctnggcnnna	aaanaggngg	gggggtgggg	780
natttttaan	aatcctt					797

<210> 4215

<211> 846

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(846)

<223> n = A,T,C or G

<400> 4215

ggnnnnnnng	nnnngttcna	atgcttgcca	atcgntntnt	nggggncncn	tcgagacgct	60
ggctccttta	tcagatatta	ctggatcatc	acctgtgnag	gctntntgtt	taatgatnnn	120
nancatttga	atggcaacag	ntgcgnatgn	atcctgccta	naancacncn	tactcgntan	180
nnannttgg	gtgtgcntgc	ntctantnnn	cnanatcctg	tgacacacac	ggaatttnan	240

tagaancagt	acagnnnctt	angcagnata	aaccatcctg	nggnnanana	tgacacnctg	300
cnngacntat	tnnnnnncna	nnntnatggt	gntgggncn	gnaaaggnc	tgaaacangt	360
cgtatgnncn	tnacanggca	ccnggcta	atgctactgt	gtnaacncag	gnnatgagct	420
gcagcnttgc	ctnncttacn	antgctcact	gggtgtgaag	gacctgcttg	tgaggttnt	480
gttngccttt	tnctggactn	annntaancc	ntacnaang	ccngcattgt	tcattaccan	540
tngccttntg	aantntnana	gnagatgnca	ttgggacnaa	tnggacagtn	taaanganna	600
ccgcttngat	ggagnggacn	ngaategttt	cttacntcan	ggggccactt	tattaanatg	660
ggngaacttn	ncacntnnng	ctcctangcn	cttccaaggt	naccttnggg	nncnntggg	720
gaattttaa	aantncacaa	nggtggtctg	aaaatcttcn	nnggggactt	aattnaaaga	780
aattnatteg	gggttttccn	gggggttcac	ccangangtn	ttnaactttc	ncannccnna	840
nnttnt						846

<210> 4216

<211> 860

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (860)

<223> n = A,T,C or G

<400> 4216

gnngnnnnnnn	tttgnacnt	tgctaagtct	ggctactcgt	tctttntgca	ggcatcccat	60
cgattcgaat	ttcggcacga	ggttgtagca	ataaagtttg	caacctacag	caatagccag	120
tcaataaagg	aaatgatgct	gatgtagcat	ttatgagcct	taaaaaaca	acaaaaaacc	180
ttaagatggt	aaattttattc	caaggattct	ttttttttgt	tgtacatgaa	tgttcatatc	240
aggtttattt	gtaatagcca	aaacagtata	cacctgaatg	cccaccaaca	agtgactaga	300
taagcaaagt	acggtacatg	gatatgatgg	actacctcag	agcaataaaa	aagaatggac	360
tattgatata	gtctacaaca	tggatgattc	tcaaaggaat	gacgttgagt	tcagaaagca	420
agacaaaaaa	gtcatttcta	tatgattcca	ttaataataa	ggaatatatt	atattcaagg	480
aatagtatat	aatataaag	gaatatttta	tattcaagga	atataaatga	atataaatga	540
tataaagcag	atcagtgatt	gccaggagat	gaggtggaga	agtagagagg	ggaggaaaga	600
agggattact	aaaggacatg	aagaaacttt	tggggataat	gtttatgttc	actattttga	660
ttgggctgat	ggtttttacat	atgtatacat	atatcaaaat	gtatcaatct	ttatactatt	720
aaatatgtgc	agtttggttg	taagtcatt	atacctcaat	gaaacctcat	taaaaattac	780
catatttttg	gggatctaaa	aaaaaaagnc	ttntagaact	tanntgagtc	gtnttccgtn	840
gattccagac	attgataant					860

<210> 4217

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (714)

<223> n = A,T,C or G

<400> 4217

gnnnnnnttgn	tcnaaagccn	ggnaaggaa	ctcttgnaac	ncccnngca	ggatcccatc	60
gattcggttt	tgcccccttt	tagcctccca	gagcttcgag	gactcaattt	taacccgaaa	120
tctgcccng	ggggaggggt	tgcgtcgaga	cctgggccc	gggaggttct	cctgcgtcac	180
tttctgtcct	gaaaggcgcc	cttctggtt	tctgtggctc	caattttcta	tgcagcccca	240
caccccttgt	tgttttgatc	ctgagaaata	aaaggagggc	tgaattatc	aaatttaa	300
gaggtttccc	cttcatggaa	gtgctgctga	cccttcgtgc	agaaatgggg	agcacttgag	360

gacacaggtg	ggtggaggcc	ctttgtgcgt	ggctggtcgt	attcgggcag	ccctccgtcg	420
ctttttataa	aactttgngt	gagaagaata	tattgataat	gtcagtgaaa	caagcagaca	480
ttgaaatgga	ggcacagatt	actccacaag	gagttcttct	gtatatTTTT	tctagatgca	540
aatccnttta	atatgnaatt	aatgtaagnt	ttctagctta	tatcgaaactg	ggngnggcac	600
gggggacact	gtactggata	agntgggcan	acatcctgag	nncgaatgcc	tgaccacgga	660
aaatatanaa	tttattgctt	taaaaaaaaa	aaccacctna	cangggcgna	cnac	714

<210> 4218

<211> 849

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (849)

<223> n = A,T,C or G

<400> 4218

gnnnnnnnnnt	tttnnaacttg	caatcgctgg	ctactngttc	tttttgcagg	atccccatcga	60
ttcgaattcg	gcacgagaaa	ggctagctat	attagctggg	gttcccccca	aaagcaacat	120
tggagaagga	ctcatgggca	gatactttct	tctggaaaat	gatcccgtag	gatatgggta	180
gaaaaagaaa	ttgggaccag	aaagaatgaa	acaggaaaaga	aagaaagcct	attgaaggat	240
ataaaatttc	tgtaaacaac	tggagcttag	tcccactgag	gccccctgag	gaactgcgca	300
gaatgtaaga	cagaggagga	aatatttagc	caccagttcc	tatctcccat	tggccaactt	360
gatgctgagt	tcaggagtgg	tggctcacac	ctgtaatctc	agcatttttg	gaggccaagg	420
tgggtggatc	gcttgagcct	cagagttcaa	ggccagccta	agcaacatag	caagacccca	480
tctctacaaa	agaaaaattt	aaaaattggc	tatggaagta	tgaaggata	tgctgtagt	540
tccagttact	caagaggctg	aagcaggagg	attgcatgaa	cccctgaact	caagactgca	600
gtgaactata	actgaacgat	ggcactgcag	cctgagcaac	agagcaaaac	tcttgtctca	660
aaaaaaaaaa	aaaaaaaaactc	gaggcctcta	gaactatagt	gagtcgtatt	acgtagatcc	720
agacatgata	agatccattg	atgagtttgg	acaaaccaca	actngaattgc	agtgaaaaaa	780
atgctttatt	tgngaaattt	gnggatgcta	ttgctttatt	tngtaancnt	ttttaagctg	840
caattaaac						849

<210> 4219

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (794)

<223> n = A,T,C or G

<400> 4219

gnnnnnnntnn	naaancagct	ctngtttnna	aaanantgct	acttgttctt	tttgcaggat	60
cccatcgatt	cgaattcggc	acgagaacaa	ctccctacgt	cctgtgtggg	gcctgcccc	120
agtggatgag	gcattccttg	aggagtatca	ttttccctga	caatcccat	cacctttagg	180
ggttccctgc	ttggctcctt	tccagctgaa	aaactagacc	tgtgccattg	gggaagctgg	240
acaaagtcta	ggggggccgc	ctggtagagg	gtcccgggaa	gctggatctg	tcagcctcgg	300
ccctgaggcc	cctgttaact	caagactgtg	agctgcctct	agggtgtcac	gtctgggagc	360
tagcttgat	ggcttctgac	cagtatcagg	atttctgttc	tgagagcagc	gtgggcagcc	420
tctagaacta	tagtgagtcg	tattacgtag	atccagacat	gataagatac	attgatgagt	480
ttggacaaac	cacaactaga	atgcagtga	aaaaatgctt	tatttgtgaa	atttgtgatg	540
ctattgcttt	atttgaacc	attataagct	gcaataaaca	agttaacaac	aacaattgca	600
ttcattttat	gtttcagggt	cagggggagg	tgtgggangg	ttttttaatt	cgcgggccgc	660

ggcgccaatg cattggggccc ggtacccaac ttttgttncc nttaatgagg ggttaattgc	720
ccccttgggg gaaaaanatgg gcatagnttg tttccttggg ggaaaatggt attcccttca	780
cnaattccac acac	794

<210> 4220
 <211> 825
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(825)
 <223> n = A,T,C or G

<400> 4220	
atanagctat tgttcttttt gcaggatccc atcgattcgc gcccctgcat gatggcagcc	60
gcactcctgc ccagagtggg gcctggggacc ccaacaaccc caacacgccc tcacggtcaa	120
cccacaatac aaccgcgaga cgccaggagc gccggccatg tacaacacag accagttctc	180
tccctatgct gcccccctccc cacaagggtc ctaccagccc agccccagcc cccagagcta	240
ccaccaggtg gcgccaagcc cagcaggcta ccagaatacc cactccccag ccagctacca	300
ccctacacgc tcgcccattg cctatcaggc tagccccagc ccgagccccg ttggctacag	360
tcctatgaca cctggagctc cctcccctgg tggctacaac ccacacacgc caggctcagg	420
catcgagcan aactccagcg actgggtaac cactgacntt caggggaagg ngcgggacac	480
ntacctgnat acacaggggg gngggacaaa acaggtgtta tccnnnagtt gncacnggta	540
cngtgggggc ccaagngtgg gnggnntgaa acagntnttt tttttnttt gnttncccc	600
ttaaaattgg ganaananna cctttttncc caaaaatggg nganaacccc aaaantnggg	660
caaaaaactt ggggatttgg gggaaaaccc ttaaaanggg caagggggga gcntttnttg	720
aaaccccaaa ngnggggngt nttaacctg gatttaancg ggggaaatna agggangggc	780
tttcttttgg ggaagggan aaaattttgn gcccaaaaac cttgt	825

<210> 4221
 <211> 819
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(819)
 <223> n = A,T,C or G

<400> 4221	
cgnnnnnttg ttgaaanagc naggetactn gttctttttg caggatccca tcgattcggt	60
ttcttgcagt tactatgctg tccttcctat cactacctgt tggctgaggt agtgataggc	120
ctaaatgatt cattatctta aatgtactaa atatgttgag taattttttc ttctaaacta	180
acagaaagag agaacctagg agttactccc ttaggctggg taaagtgaag ggtagccaag	240
tcaacccagc ttgtttcctt ctctcattag gaaagaacta ttgttcattc tcataacaca	300
ctttttccaa ttgcaaacat actcagggtt aaaatagttt agcacaaaatt gcagcccatt	360
tcatttgttc ttcacaagct ggaacttttc ttgtaagcta aatattaaat ggttcaagta	420
aattggatac ataagcctga aactaggcgt ttctcattat acatagagta taaattaaga	480
cagacttttt catggtgaaa ggtttacagc ctttaaaaca tctgggaaga agtgggaaag	540
tagggaaataa ctctgttaaa tatgataaaa gacaaagcac caacaaaggc ctagtctaa	600
acttggtata atttctcatg gggaagtttg ngggttgtca caaggttatg ggcggtccca	660
agcaagttta ccaatatattt tttagaaata atnacctccc cagaaaatat ttttnaaaaa	720
taagggaccc tttcntttta atatggnaaa ananaanaan ananaannnn nnntnnnnnn	780
nnnnnnnnnn nnntnnnnnn nnntnnnttt ctnnnnnct	819

<210> 4222
 <211> 766
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(766)
 <223> n = A,T,C or G

<400> 4222

naataaccagc	tacttgttct	ttttgcagga	tcccatcgat	togaattcgg	cacgagaagg	60
ccttaggctt	tttttttgta	gggtgagagt	gggggagaga	tctcttgctc	tggtgcccag	120
gctggctctc	agctcctggc	ctccggcagt	cctcccacct	cagcctocca	gagtactagg	180
attatgggca	tgagccacca	cacctagcca	ggctttttat	attgagttgg	ttatatatgc	240
ttcatagcca	cactttataa	tattggagta	tagtattaaa	ttacagcttg	ttgtcaagtc	300
agtgtttctg	taagacagta	tatccaatat	tggttagagt	aacacctatt	tggtgataca	360
gatcaacagg	gtgtctctga	ttaatttagc	tcctacatag	ccagaagcaa	gttcattatg	420
atttagaata	ttgtacatgg	ttatgcagga	atcatcccaa	cctatctgtg	tttataggtc	480
agatgatgtt	cagtttatat	ctgctgatag	tgtatatgca	ggaaaacctt	taaaaccact	540
tcagacttgt	taaaacagtg	agaaagccgt	gattgaaata	ttaatacaac	ccgtgtggta	600
taaatttcat	ttacantggg	aatgtaaatg	ctgtcatttg	aatcttgnca	aagcctgcta	660
ctaaaactct	taaaancctt	gctaggggaa	taagtcttta	ntnccaaaaa	caatatanan	720
ggggatgtgn	gtggataata	caaggacaac	catatgttgg	tggcnt		766

<210> 4223
 <211> 873
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(873)
 <223> n = A,T,C or G

<400> 4223

gnagnntnnn	nntttgnaac	nctggctact	ngttcttttt	gcaggatccc	atcgattcgn	60
attntgaaca	agctgtntcg	tgtgtacagt	tgctgctgtg	attgagccag	cagtgccttg	120
ncctgccttg	canngtctgc	acagctccca	ctgcttctat	nngntgttgg	gcncgtgagg	180
catgacttgg	angggggcct	ggtgcctgag	gacctgctga	agagaatgct	caccaccagc	240
tctntgntnc	cctttctgct	ttggnaatca	acacgtgtnt	gcctgcagtg	gccnggaccg	300
tgactgtttc	tgcccttggt	cctagttaan	agccttcaaa	agcataatga	acactttnga	360
tatgatattg	gaactttagt	aaatgcttta	cttccctcta	attgcccnca	aatgccttaa	420
tnttgtggac	tgtttatttc	aacagggtga	agtgttggtc	ntgcgaaatc	ttggtnttcg	480
catttcaaga	agggagtgtc	ttattanttc	ttctttctat	ggaacgtttc	aagtgattgg	540
atntaaagaa	gggctctgaa	gcaggagttn	ncacctgtct	tgagggaact	tggggctcca	600
gggacgtacc	ccaaatgtgc	gccagnttt	gaaactccct	gacagcctgn	tactacntag	660
tgggctcgag	ggtttncann	atgaagaaga	gttgtncccc	taaaagtggg	tgaacccttg	720
tggttttcaa	agcaaaggta	cccnttgtcc	cancattntt	nncggnnagg	aggggnctca	780
ttggaaaacn	tgtnngggcaa	ncctgntggg	ttttggtccc	ccctgntngt	nacaatnggg	840
accttntttt	gaacngtnng	gaangggcta	nnt			873

<210> 4224
 <211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

<400> 4224
 caaanacagct ttcngacccc ttcggaccca tcgattcgtt gctctatgtg atgtttatta 60
 tcaaatacat ataattttga agattttaat gaatgnntta agattttatc tttgtgtaga 120
 atgtggctaa agaaacctta gttgagattc aagaagttgg tgtctgtttc tgattcttat 180
 cacaacttgc tacttagtgt ctaccaagtc ctccacctct ttgctcctca aagagctgtg 240
 aaaaatgatg gcaggagccg gtacaacacc acagacttag agaagggcac agtgctgctt 300
 tattgaatga tctaccaagg taaaattttg ccgggtcaag aaatagcaat ttaatccatt 360
 taaaggaatg aatataattt gaaacattaa cttatttcaa gactaacatc tcaaagtgtt 420
 gagacctttt ttaaaagagc tttctggatt ttgagcatatc tttcactggc tgtgatttat 480
 aagaatttgt ggtttgngga gtactgccta aatgccaggg taaaataagg cagncctatg 540
 ccttacctgc cctgggctca nggcctcaca tccttttggg acgcacatct tttctcttct 600
 cccttgntct gctctcccg cgcataatcc tcctagcccc cagagcaaan nnnnanaaaa 660
 nnannngnnn cnnnnannnn tnnnnnnccn annnnnnnnn nngannnnnn naaaaacnnn 720
 ngcctttnaa ananatnggg gggncnnntt nccgnaacc cccacnnngt nanaan 776

<210> 4225
 <211> 869
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(869)
 <223> n = A,T,C or G

<400> 4225
 gagtnnnntt tttgnaacct tgctaagtgt ggctactcgn tctntctgca ggatcccatc 60
 gattcgaatt cggcacgaga gcagattcag tgctgatgag agcctgcttc ctgcttcata 120
 gatgatagaa gtgcaaagcc agctgtctgg gcctttttta tgatactgat cccattcatg 180
 aatgctctgc cctcatgatc atttcaattc ccaaaggccc cacctcctaa tattatcaca 240
 gtgataattg ggttttcaac acatgaattt gagagaaaca cattcagttc ctagcattag 300
 cttgcttata tttatttcat ctcatctctc ctcatagctt ttatttttgt tccccctgtc 360
 caatttatta tagttttttg tctttttata acttttaacc atcttttaaa tttctcttat 420
 ttatttctct ttttactggt gagttacaac tctcggctta ttcagtggca aagcaggaag 480
 agatggcact gaggcactct gatcctgaag gatcctttta ttcctcttag cagtcttaac 540
 attttttcca tcagccccctg ctatagtttg aatgtttgtg ttctctttta aatccatgtt 600
 gaaacttgat ctccaatatg acagtggtaa gaggtagggc cttatatttg agagcactac 660
 aggggtgagta cactcaataa taatgnattg gatattttaa ataactaaaa ttgtataatt 720
 ggaaatggtc cctaacccca aaggaaatgg ataaatgctt ggggggtgat ggataccccc 780
 aattaccctt tatgngant catttacata ttnaaatgnc ttggatcaaa accattcacc 840
 ancattcccc accattaaat gntntnncn 869

<210> 4226
 <211> 763
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 4226

tnaaaataca	ggctacttgt	tctttttgca	gggatcccat	cgattcgaat	tcggcacgag	60
agggacaagg	ctataaatat	cattaatacc	aggttcagga	gtttgcaact	cactaaaaat	120
caactcagct	atttgagcac	cttttataga	gtggaaatgg	ggttgggcag	tagagaagag	180
cactttttaga	gaggettttc	tgtagtagtc	aggggttaca	cctgttaacc	agccataatt	240
ttttttttaa	gcggtgtg	tgaggatgag	cccatgtag	ttggtgcagg	tggggacaca	300
ctgcctgtgt	aactagaaaa	actaggcatg	gccgggcacg	gtggctcaca	cctgtaatcc	360
cagcactttg	ggaggtcaag	gggggaggaa	cacttgaggc	cagagacaat	ataatatata	420
atataatata	ttgaccagcc	tggacaatat	aataagagcc	tctctgtaca	atttaaaaac	480
taaaagcctg	gggtggtggc	acatacctgt	agtcctggct	acttgggagg	ctgtggcagg	540
tggattgctt	gaacctagga	gttcaatgct	gtagttagct	aggatcgtgc	cactgcattc	600
cacctgggtt	ggagtaagac	cctgtacaca	cacacacaca	cacaaaacaa	tgcacaatgt	660
gcatcaaaag	ggaagcgaat	aggctctgta	gtagggtggca	aaaggtggtg	gtctgggaaa	720
caaggccacc	tgtggtgtgg	ggtgggaaaa	tgtttaaac	ctt		763

<210> 4227

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (865)

<223> n = A,T,C or G

<400> 4227

gnnnnnnnnn	tttnnaactt	ttcaaatatc	ngctacttgt	tctttttgca	ggatcccatc	60
gattcgaatt	eggcacgagg	gccgtgctt	ctttcccgag	cttgggaactt	cgttatccgc	120
gatgcgtttc	ctggcagcta	cattcctgct	cctggcgctc	agcaccgctg	cccatggcat	180
cctgatgggc	gtcccagttc	cctttcccat	tcttgagcct	gatggttgta	agagtggaaat	240
taactgccct	atccaaaaag	acaagaccta	tagctacctg	aataaaactac	cagtgaaaag	300
cgaatatccc	tctataaaac	tgggtggtgga	gtggcaactt	caggatgaca	aaaaccaaaag	360
tctcttctgc	tgggaaatcc	cagtacagat	cgtttctcat	ctctaagtgc	ctcattgagt	420
tcggtgcac	tggccaatga	gtctgctgag	actcttgaca	gcacctccag	ctctgctgct	480
tcaacaacag	tgacttgctc	tccaatggta	tccagtgatt	cgttgaagag	gaggtgctct	540
gtagcagaaa	ctgagctccg	ggtggctggt	tctcagtgg	tgtctcatgt	ctctttttct	600
gtcttaggtg	gtttcattaa	atgcagcaact	tggtagcag	atgtttaatt	tttttttaac	660
aacattaact	tgtggcctct	ttctacacct	ggaattttac	tcttgggaata	aataaaaact	720
cgtttgnctt	ggcttctgca	aaaaaaaaaa	annnnnnnnn	nnnnnnnnnn	nnnnnnnana	780
aaaaaaaaact	mngagccctn	tanaactntt	ngggggggc	nnnttacctt	anaatcccgn	840
accttggatt	angnatnccn	tttnt				865

<210> 4228

<211> 1228

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1228)

<223> n = A,T,C or G

<400> 4228

ggcngtnc	ccttattgga	acctttctaa	tgctggtnta	ntccangtac	cnntcgtacc	60
cacgattcga	attnggcacg	aggctccacc	cagttctccc	agttcntnat	ggacgactcg	120
ctactgctgg	cctngggggg	gttctctggg	ccgcacaact	cctnatccgg	cgagattgct	180

```

gtcatcagcc tanactcctt cgcgctgctg tcccgcntgc ggaacaagnc ctatgacgng      240
tttggctggt ggctcaccen ngaccagcct catcttnngg aacctgcacc gnattgnana      300
tatnacctnc tgctntgtgc tgnngcttaa cnttgnctan aacnatgtgg agtnngagaa      360
cgtcaacgng gtgaagcngg ctgnttaaga tccanaacct caatgncngc nncgtccgca      420
cgggtgatggt ggccegnctg canccgnttc nacagtcctg anttaaaaca gttngccta      480
ccnnncaaan ancnatncat antnctnatn tctntntttt ncttcnaann tnnctctcn      540
ntacttanaa tttcncctnc naancntttt cntnnttttn tnntancntn ttctnnctcc      600
tccnnntct ctatcntgan nttcanntan tcttnnnnta ctacattctt canttcatan      660
tcnctcanan ttnnnctcnt annntncatt atccttncta ncnnanactc ttatcacctt      720
cgcanacanc tantnnctn tcacncnctc ttctaataana catnctctct ctgcncctc      780
tctnacnctg taacntctat atntnnttcn ctgcatnctn aataatata ntacactcan      840
nacaananna canacaccnc tcatnttcat acttntnaaa nctccnctcc tcatntnttc      900
tcgtcttnta catactcaac tactctatat ancgtngacn cngggnatct ctncgaannt      960
tctcncctac ttnagtcaac attntatcac tntcacttca tntcngctct ccntctaaca     1020
nnccattac cntcantngt gntnttnnct cncctactcn ctntacatca tnnactnntc     1080
tantcatgct nanatatang tcncttcana tacnncgnta ncccnngnat nttntctcan     1140
aaccacnct ctatntttat tttcgtacac tgcaatcnca taatcttcgg catcnttcca     1200
tccgncatct ncnnnnnata tcanntnt                                     1228

```

<210> 4229

<211> 920

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(920)

<223> n = A,T,C or G

<400> 4229

```

gngnnnnnt ttgnaacttg ctaatgctgg ctactngttc tttttgcagg acccatcgat      60
tcgccaacat ggtggtctca aactccccac ctacaggtaat ccacctgcct cagcctccaa     120
aagtctctggg attgcaggag taagccacca caccgctcct cagtgcctgg acttctgcag     180
tggaacttctt ttaaaaatcc tggaatatac actgcagtag aagaacaaag catacttcag     240
tcgtttaagg ctgagggtatg ctttgttctt ttactgcagt gtatattcca gccttaaacy     300
actgaagaag aatgtcaagt ggggaagtgg ctttggtttt cagtttgtgg gttctgaatc     360
cacacaaaga caggattgct tctgaaaac ctgaattaat tattgtcctt acctcaataa     420
gacaaaaaat tagaatcaaa atcgttagta ttacagtcac agatatcacc aagattagtt     480
tggtgttata gccatatcct ggaacttctt tcgtgagcta aaaaaaanaa nanaaaaaaa     540
nctngagcct ntagaactat agtgagtcgg tattacgtag atccagacat gatnngnatn     600
cattgatgaa ntttggacaa acccncaact tngaaatgca tttgnaaaaa aaatgcttaa     660
tttgnngaaa atttnnggga anccntatng gctttcantt tngnnanccn nttntnnntn     720
cnnngccttt anaccnangn ttanctacca accnaattng nnattnnatt ttnnantggt     780
ntnnaagggg ttnaangggg ggnaangnt tnggnaagg ntttntnaa nttnnnccgg     840
gccnnnnntn ccnaantnca nttnggncnc cnggccnccc anantttttt gnncccnttn     900
tatngagngg gtnaanncct                                     920

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<210> 4230

<211> 810

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(810)

<223> n = A,T,C or G

<400> 4230

gnnnnnttta	annnnnnnnn	ttttnaanat	acaggtctct	gttctttttg	cagggatccc	60
atcgattcga	attcggcacg	aggtgattcc	tatttcaata	tgtgaaacac	ttaaccaaag	120
aatatatttc	gatgaatctt	aaacttgcct	taaaaacaga	agaggttaaa	aagaatttag	180
aaaaaataaa	gttttagagt	gtttgagaat	gtgtatataa	aatatattca	aagccataat	240
atggatgctc	ttatggctca	gaagcatgcc	tactagaaca	cgtctcggaa	tgagagatgt	300
ttaattctgt	cacctcccag	aaagttttgc	agggtttctc	acttgaattt	gcttcccttt	360
gcaacctctt	gtcctgaagg	cccccttccc	acctggaaat	gctgaggeat	gggtgtgata	420
agaatcagtc	attttgaaga	gaataagatg	atgactttat	taacatttcc	atatatgctg	480
attgtgtgtg	tggcgggggtg	ggggctgggg	tggaggctta	aggcaaaagc	tagaattagt	540
catatgaatt	atgggcttgt	ttggagaccc	acctgaggct	canccttagc	cctcaccac	600
ctggggagtt	tactacctgg	gggccccctt	tgncatgcc	tccacttcca	aaacaattca	660
attgcttttt	ttttgggtnc	caaaataaaa	ccctcagcnt	agcttcttgc	cnannnnaaa	720
annnnnnnnn	nnnnnaaaac	tcgancctn	taaaaactat	aagtgaggtc	ggttttaccg	780
tagatnccna	accttgataa	gaaaacattg				810

<210> 4231

<211> 810

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (810)

<223> n = A,T,C or G

<400> 4231

gnnnnntttt	caaatacnng	gcctcgtgct	tttgcaggat	cccatcgatt	cgaattcggc	60
acgagagtca	ttacaagtta	ggatcctggg	taaatggcaa	cctccacctc	ccaggttcaa	120
gcagttctcc	tgctcagtc	ccccacatag	ctgggactac	aggggcacac	cagctaattt	180
ttgtattttc	agtagagttg	gggttttacc	atgttgacca	agctggtctc	aaactcctgg	240
cctcaagtga	tccgccacc	ttgacctctc	aaagtgctgg	gattacaggc	atgagccatc	300
acgcccggcc	acgctgttgg	ttcttaatga	cacagcttaa	ctttattgtg	aaaagattgc	360
agcaacaaat	gagattttac	ctgtatttgt	taaaaatgct	tatccttgct	taagactggc	420
aacataagca	gttcttaggc	ttctatgcca	atggacacta	ggcagtaata	catgtgcagt	480
gctaatagaa	aatattggag	taagggtgta	ctaaggaagt	tctcaatctt	tccccttcac	540
tatcttctgt	aatgtaactt	caataaatgt	gattctcatc	ttggcacaaa	attgggaaaa	600
aaaaaannnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nntcnggcct	ntaaaacttt	660
aggggggtcn	tttttcentn	naccnncnc	cttganaang	aancnttng	gnnggngntt	720
ngggcccanc	cccacacntg	gaatngnnng	ngaaaaaaa	aggntttttt	tnggnaaaat	780
tngggngngg	ctttngnntt	ttttttnnan				810

<210> 4232

<211> 794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (794)

<223> n = A,T,C or G

<400> 4232

caaatacnag	ctactngttc	tttttgcagg	atcccatcga	ttcgaattcg	gcacgaggtc	60
atgcccggct	aatttttgta	tttttgtaga	tacagggttt	naccatgttg	gccaggctgg	120
tcttgaactc	ctgacctcag	gtgatcaccc	gcctcggcct	cccaaagtgc	tgggattaca	180

ggcgtgagcc	actgtgacgg	gccttacatg	caatTTTTat	ttatagccag	tattagagaa	240
ttactaggaa	atttcatttt	tatatttagt	gggagaaagc	catctacagc	atgtcttcaa	300
gcatggacta	tctgtaacat	acagtgtgct	tgcttttgaa	ttgnttgant	gttaaaggc	360
cgtaactgat	tgnattttcg	ttaattgtta	atanataaac	cagatgttct	gaaatctgtt	420
cttaaagcag	ntgccctcaa	tgggtntttt	gcctnctg	ttctgagcct	cttgggntta	480
ctggagagta	caggtcataa	agagacctga	actcttggtg	tatcaaccat	tatgtcatcc	540
tctnactgcc	aacatttttna	aacagactga	ggtnctgctt	tcgtaanaaa	catntactta	600
catattgcc	ttccttggtt	tacctggggg	aaagccnnaa	tcgttnttag	gacttnanan	660
ggaganacac	aggtctnttg	aaanggatgc	cgggggctta	atnaaataaa	aaacttttgg	720
ntcaataana	agtctgggnat	taaaaacaan	attaattcaa	catttntggn	agaaggnacc	780
ttggggcngg	gaat					794

<210> 4233

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (927)

<223> n = A,T,C or G

<400> 4233

nntggggntt	tcnnnnctg	ggatactntc	tctctgnagg	ngnecatggg	attcgaattc	60
ggcacgaggc	ggagnaagag	gggtngtnng	ttggaaggag	gaattctcct	ttagggaaga	120
tgtctgggaa	ggncntctctg	agagagtggc	ctttngaaag	gagaccctaa	ttggntgacg	180
gatgagaggc	tgaaccatgt	aagtatctgg	ttggaaaaca	ttncaaagcg	ctncagangg	240
tntgtgcaaa	ggcctttgga	canggtcacc	cnnngttaca	tggccnccnt	nagccagcct	300
nntaaagnaa	agggntntcat	naacaaattg	cnnaaancct	nnnnagggttn	gncanaggag	360
ggagaggcnn	tgggaatgttt	tgctngaata	gggttagtag	tgcccctnca	tgattgacca	420
gttccccctc	tcnanaatgt	tnccctnactg	ncgcagggtt	atgtagnngg	ggncctgcct	480
cccatanttn	gnccccctctn	tancttggnc	cntgggntgg	gatgaangtn	catccganna	540
canccttttta	nagttgccc	nctgtctcna	ttnacnnatn	acccccnncg	aaactttgtc	600
tcccnancac	ccaaggatt	tcccttnggg	tatcgmcncc	anaanaaagc	aannngtnng	660
atcaaantaa	tgggcnccca	ncantttttg	aattatncta	cncctgnaga	ctcccnttca	720
nttngcnttt	taaaaanccn	cttttntnn	cgggntnggg	tgcaantnnc	tcttnaaatt	780
ctaaacnnat	cttgnnnacc	cccncctaaa	cntggnnnng	gnccccctaan	ctttccnact	840
tcaacaaaan	ngtgaanttg	catattatct	tncatttttg	ntctntaang	accnnaatgc	900
nnggngntat	nannncanan	nnccnncn				927

<210> 4234

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (809)

<223> n = A,T,C or G

<400> 4234

ggnnnnnnng	nnngttnana	cnnccnnnnn	ttttcaaantn	ctaggctact	cgttcttttt	60
gcagggatcc	catcgattcg	aattcggcac	gagggttagt	cttgtagctg	tatagcattc	120
cattgtataa	cttataattt	atttatgggt	tgtactattg	atgaacattt	gagtagtctt	180
cagtttgga	ctaccacata	tgggtgctgtt	atgaatactt	ttgcacaggt	atgtgaacac	240
atgtacacat	tgcagttggt	atatatacag	tactgaatta	ctggcttata	aatatcatta	300

aattttaaaa	acaaaattaa	ttgccacaag	catattattg	tatctttgaa	ttttaaacca	360
aattaaaaat	tctatgagtt	gttgaatatt	ataattgtac	tattaagttt	aaattgtctg	420
tgactatagc	tataagacga	tgcccatggt	actttgaatg	gcaacactag	caaaataata	480
ttctaaggaa	gagggacang	ttttggggga	caactancan	tgtctgtagc	ataatataga	540
ctacaaattg	attactatat	cacccatgaa	tttagctcag	actcaaacac	aaatttantt	600
tctttaaaaa	atagaaaagtc	catttatntt	taaatggggc	ctgattttcn	nanaaaaaac	660
nnaaaannan	aaaaanccgn	ccctttaaaa	ctatagggga	gtncgttttt	cttnaatcca	720
gaacttgata	ananacattg	ttgagtttng	gccaaaccac	aactagnatn	gcantgaaaa	780
aaaatgcttt	tttttgggaa	atttgggat				809

<210> 4235

<211> 853

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(853)

<223> n = A,T,C or G

<400> 4235

agngtnnnnn	ttttctaacg	ntggntactc	gntctttttg	caggatccca	tcgattcggc	60
acaattggta	ttcaaaccce	agtctgtttg	actcccaaac	ccatactttg	aacctgaagt	120
ctgtactgct	gaaagtttct	ccttattgaa	gaatttatat	tttgcattaa	tttatgtctt	180
cagaattata	caaagtattg	ggccacacca	aatttgagtc	tggtatagta	gccttcttgt	240
aaaaaattat	atcatataac	atttttatga	ctgtgaagac	ctcttaattc	ttcaggaagg	300
agggcccttt	ttcaaactag	acatcctggg	gtttttactg	accttatttc	attctctgaa	360
gaatgaagga	atttcccact	ttgtagtaag	tcattggaatg	tatagcattc	cttctatagt	420
tgaaccagat	aatatttagc	aagtctgttt	agaatatgac	actggaagtt	ttttcctgtc	480
tttttttaaa	agaggttttt	ggaattatag	tcaatctgaa	acttggtctt	actaataaag	540
aagtgaacc	taagtgaagt	cccttgctcc	ctgatggctc	ttggtataag	tctcacttaa	600
gtttctctga	cgattttcag	ggttnatttt	tgtgagtga	ccaaggaacg	gtgtattttg	660
atttgaaac	tgaatggntg	gaggtgtgta	ttggaagcaa	tagtctgaat	ctttttgggg	720
gtnatatact	cctttttgaa	gctgatgaaa	gcttnggnaa	acntcccana	aaataaaccc	780
ttaatccngc	ncatnaaang	gaannttngc	atctcnntt	tnngcngacc	cngntnaata	840
tncaattntt	nnn					853

<210> 4236

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(787)

<223> n = A,T,C or G

<400> 4236

nnnnntttta	agancagctc	ttgttctttt	tgcaggatcc	catcgattcg	cttgctcate	60
ctcatttggg	aaactgctac	gttaaattgt	tcaggatatg	ctgattgacc	tgggctgctt	120
ccgagaaatt	gatgagctaa	taaaaaagga	aaccaaaggc	aaaggttctt	tggaaagtact	180
caatctgaaa	gatttgaaga	aggagatgag	aaatttgaat	gacaccatc	agtctcttca	240
cctctaaaac	actaaagtgt	tttcgtttcc	aacagcactg	tttcatgtct	gtggtctgcc	300
aaatacttgc	tcaaactatt	tgacattttc	tatctttgtg	ttaacagtgg	acacagcaag	360
gctttcctac	ataagtataa	taatgtggga	atgatttggg	tttaattata	aactgggggtc	420
taaatcctaa	agcaaaattg	aaactccagg	atgcaaaatc	cagagtggca	ttttgctact	480

ctgtctcatg	ccttgatagc	tttccaaaat	gaaagttact	tgaggcagct	cttgtgggtg	540
aaaagttttt	tgtacagtag	agtaagatta	ttaggggtat	gtctatacga	caaaaggggg	600
gtctttctaa	aaaaagaaaa	catgagcttc	atttctactt	aatggaactt	gtgggtctgag	660
ggtcattatn	gnatcgtaat	ataaagcttg	gatgaatgtt	cctgattatc	ttgagaaacc	720
agatnttgaa	aaattgnggt	cgggccttaa	ataatttcgn	tggacatgct	gncataactt	780
aaaatat						787

<210> 4237

<211> 819

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(819)

<223> n = A,T,C or G

<400> 4237

nnncgngn	tnnaacnnc	agngntttag	ccnagctatc	gntctttatg	cngganccca	60
tcgttcnaat	tccgcacgag	aaancatcaa	ggtaggtgnt	tggnagcant	gatgatgacg	120
aatctgattc	tnangatgac	agtaatacnt	naaaattnaa	ccncaanttn	ngggcngagc	180
tggacaanaa	ggttnttgaa	nactnaanat	anttagactt	ncctnntgtg	ctnatttttt	240
gacataggct	ctnaaatctg	gntnaangca	ggcgccctt	atcctacntt	atntcatcng	300
ggngtctant	aggagagtga	ganttntgtg	atccnntntg	attgggncan	nngtagatgg	360
aggcggtcca	cataccaatg	ttggaatnta	agcagtgcgg	ggaggtntac	atnngcagtn	420
ctctccncaa	gctaattcnn	ggngcagggg	cnatnatnca	tggttnttgt	ctgtctgtgg	480
aaacaatgna	tttangcnnc	ccnctggca	cnctgacag	atcttcggat	gntgctcttg	540
tntctaaaaa	ctgggtgtcn	agangaacac	tgatgtatgt	anatgaaaaa	aatnctnngc	600
ttaggganng	ngaatcttg	ctgaagngaa	aaantnaaag	ncctngantt	tttttncaan	660
ggntntttgc	naaaataann	ttaaacgaat	tgtacnnaac	acntgaaacc	gtangntggt	720
ttttnanttt	ttngggngn	tnaaannntt	ttggtccaan	nnnggcattg	nccttncccc	780
tttctatatt	aaaaaaggnt	tcggtancnc	aaaangaat			819

<210> 4238

<211> 1421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1421)

<223> n = A,T,C or G

<400> 4238

gngngnaaca	cngaananng	aaaccnanna	aacgycncna	anancnggna	aanacangcn	60
ncggnccncg	ncangaacccc	nttgcaacnn	ncctntangc	aganccccanc	ganncgngtc	120
ngnaangccn	gctgcntggg	aggccagggg	caggnttaat	tcnctngana	nnnagancag	180
gngaananann	nngccgggcn	gggnagaagn	nnaacggaca	atgncacatt	caaagcanga	240
nccaccana	nagcynagca	nnggnngaag	ccaggggaang	gacncnctgn	canttggaaa	300
actnnggaag	cnngaaggan	cgagggggccc	tgccggnccn	acaanagnag	ctcantngaa	360
gggacgttna	cncaannngg	acgcnagaac	gcggccaanc	aagatacgaa	aggggaaann	420
ccggnacgag	agcccnnggn	nacgycncnc	ggaaaanggct	agaaaaaaga	ataaaggggn	480
aanngatcgn	aggnatngag	ggccatnggg	ancacaggcn	caaaagnggc	cancaaagan	540
cacagnggaa	gngnccanag	nactncgggn	cgggagatca	ggggnggata	aantgaataa	600
ccaagggcna	nggacncgaa	aaaagngng	nccaaaaang	gggggnccnan	aaggggggag	660
cnnccaaaga	ggncaaaana	aaatngccng	aggggcnaga	gaaaccnccc	ncagaaggan	720

gggggncaan	aaaatcnaac	cnnnngggnn	naaangnggg	gggggggaaa	gggacnntca	780
ccaaaggcnn	canaaaaann	ngaagggn	cccccnnc	aaaangnaaa	aangggaaaa	840
accnatntc	nagttcaggn	naaaaagtng	gggggaaaag	gcccnaaaan	aaattaaatt	900
naaggangaa	ancnnngag	annaaccccc	canggcaaat	ngggccaaac	atgggnncac	960
ncgggccnng	gggggcatng	ggcccccaaa	tnggnccccc	ccnaccgggn	aaaggggggc	1020
aaaaaaggan	cgggngana	aaaanggn	gcctcccata	gggcaaccat	ntgcacgggg	1080
gccnccncaa	attngggag	ggnaaann	aantcgcnca	ccaatgttaa	ngggaaaagc	1140
aaccggcaaa	agggccatnn	ggaangangc	cccnagnaaac	caaanagaca	ncaggntagt	1200
gaaccttccn	aangggaaat	aagatnccgg	naaaaggcaa	ggncgnaaag	aaagtngaaa	1260
nccgangnaa	ccngangana	aggcnnaana	ngggaancna	ttacannncn	aanaagnagg	1320
caangntgn	ggaaagaaag	atccaaagcc	cnngggnggc	agnatgccng	gnaaaantgg	1380
gaagntanna	ngancctgcc	aaaggcttng	gaaaaacnnc	c		1421

<210> 4239

<211> 864

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (864)

<223> n = A,T,C or G

<400> 4239

gnngtnnnnn	ntttncann	tnggetactt	gttctttttg	caggatccca	tcgattcgan	60
ntncnaggcc	ggggnctgt	cattntngat	catnatcttn	ngntatgaat	nggaccttta	120
cagtactga	caggacaaca	acaggctgga	gtngngccc	atnctgctgn	ngtgcctnna	180
agaccacanc	cctnanaggc	tntgggtcct	gctgtgcatn	gccattgga	tgccganggg	240
ctnatnactc	anactagtac	ctcacntgat	cagatgncag	aatcaacca	atnntgcaga	300
tttcagtng	ttgtgaagta	tttgctgcat	caacatgtag	aacgactaac	attcatgatg	360
aagccgagaa	acatncacaa	gtcctgncgg	ctnaaaaagc	ttatgatcct	gcacgntntc	420
tnatagtngg	ctaaacagat	ggtataaact	gacgaanaga	cagctgctac	tgctcctgcc	480
aatgtgagca	aaggcacaat	actacttgct	ccaggaccta	aacctgttcg	aagaagattg	540
taaattggaa	gatgaattta	ggccagaagt	ngatgaacat	acncaaaaana	cggggtgggct	600
tagctgctgn	ncntgcatca	caacctnntn	ttnncagntc	tgctgggaac	gataaganng	660
tnttcangca	tcaattagnc	gtaataagga	aaccngcanc	gatttngncc	aaatggnata	720
gcctattgca	gggncnaatt	taaaggatgt	nctttnngag	anaaattacc	tggaagttc	780
aactgggaac	aacntcnaac	cattntctna	cctataagcc	aantggccgt	taactgtgaa	840
catncttggg	ttttaaaann	gcnt				864

<210> 4240

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (468)

<223> n = A,T,C or G

<400> 4240

ntccttttga	ntacntntac	aagctacttg	ttctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	atttcaacat	actgttgtct	aatcatcggt	actcccccaa	tttctctttt	120
ttagaggaaa	gtattgtaca	gatgtatctt	gaagattata	atcttggttg	attattgcct	180
attctcactt	taggaataga	tggtgatagc	ttatgacttg	tggtgtataa	cgaggtagaa	240
atattgctgn	cttctctgac	atagcttctc	aaagagatca	ttaatgtatg	atatctaata	300

aaccatctaa	tgcatgtaac	agtgatcagc	aaattaataa	attagacctc	tattcatgct	360
taaattatca	aagctaatat	ttaaattgaga	tggttctattt	taattaaaat	ttctggcacc	420
atcgtaaatg	agacttagaa	tttcaactag	tgtatttagc	tcttactt		468

<210> 4241

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (476)

<223> n = A,T,C or G

<400> 4241

gtntntnnnn	tttgantnca	aatacaagct	acttgttctt	tttgcaggat	cccatcgatt	60
cgaattcggc	acagaagacc	aagcgcatgc	gancctcttt	caagcatcac	cagctccgga	120
ccatgaaatc	ctactttgcc	atcaaccaca	acccggatgc	caaggacctc	aagcagcttg	180
cccagaaaac	aggtctgacc	aaaagagttt	tgcagggaga	acaaatcttg	gggcattaca	240
gccaaacatc	ccgacgtttg	aaaattccct	aaagtattaa	aagaagggga	aaagtttgat	300
cggaaatcca	ctgcagtga	gacaaagaca	ctattagggt	atgataatca	tacattaaaa	360
aatttattaa	gccaaaaaaa	agagagagag	agagacttaa	atgtcattta	ctgaatgtta	420
acgaaacttg	tggtctttat	ggtgtctaac	acaactgaag	gcctaaaatt	atgtgg	476

<210> 4242

<211> 846

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (846)

<223> n = A,T,C or G

<400> 4242

gtntttcnncn	aannngtggg	aactcgetct	ntctgcagga	tccctcgatt	cggaaatata	60
gngagatgtg	ggatgtgaat	gccccatgaa	gacatattat	tacacttgaa	tatattcttg	120
cttcaacttta	ccctncataa	natgntgtac	attagtgtctg	atcangttta	cagagntaca	180
tgggcgcctt	cctaaccatt	cagtnangaa	ttaaaatatg	gcattgtata	acaactggga	240
agaagctcat	agnggatata	aagtagagta	gataatgggt	caccttggat	agcctctgat	300
acattcttgt	atatgggcaa	aataatgatt	acctatacgt	gtatttaagc	ttaagcatca	360
tataaacagt	ctttttaanc	ttatggtaaa	ntnnatnata	tntaaaagct	gtgatctcta	420
ggnagtcctt	aagtnattag	tacnagnactt	naaaaagatt	tttaataggt	ccgncaccgg	480
tggmntcatg	cctgtaatnc	cagcacttcn	ggaaggctng	angcaggccg	aatcacctga	540
aggtcnngga	anttcgagga	tcanaccctg	gccaaacatt	ggtgaaaacc	ccntgggtctt	600
aaacttaaaa	nntttttaaa	aaanntaagc	ccnggccntt	ggntgggnan	aggcgncctt	660
ggtaaaccn	aagctntcct	ttaggaaagg	cttgnaggcc	anggagnaaa	ttancnttgg	720
aancccnaaa	gggggcanaa	annctttncn	gtctcngcnn	aagnaatcgc	antcaaatgg	780
naactntcan	accntaangg	ggaccaagna	ancnncnnana	cnttnattct	tcaaaaaaaa	840
aaaaat						846

<210> 4243

<211> 789

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 4243

tnananctgn	tnncntttca	aatnctnggc	tactngttct	ttttgcagga	cccatcgatt	60
cggaagagg	atgactgggt	atgctgtgcc	acccttgagg	gccatgaatc	cactgtgtgg	120
agcttggcct	ttgaccgag	tggccagcgc	ctggcgtctt	gtagtgatga	ccgtactgtg	180
cgtatctggc	gtcagtatct	accaggcaat	gaacaagggg	tggcatgcag	cggctctgac	240
cccagttgga	aatgtatctg	tactttgtcc	ggcttccact	caaggaccat	ttatgacatt	300
gcttgggtgc	agctgacagg	ggctctggcc	acagcttgtg	gggatgacgc	gatccgctg	360
tttcaggagg	atcccaactc	ggatccacag	cagcccacct	tctccctgac	agcccacttg	420
catcaggccc	attcccagga	tgtcaactgt	gtggcctgga	acccaagga	gccagggcta	480
ctggcctcct	gcagtgatga	tggggagggt	gccttctgga	agtatcaacg	gcctgaaagc	540
ctctgagcta	cctcgacttt	ggacagagta	atgacttccc	cagaaaacgt	catataagac	600
ttttaccagc	cctgaanga	ccaagaggga	gccattcctt	tgaactttca	tttaactttg	660
gnttacttc	tctttaaaac	ttggggtaga	aantgcaaaa	gcccncanaa	attgcttttc	720
cnttcccccg	ccttttgaac	atgaaggnc	ttnaattaaa	agaagcttcc	cggaaccatt	780
naaaaaaaaa						789

<210> 4244
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (759)
 <223> n = A,T,C or G

<400> 4244

nttcctaattg	tttcggntcc	ttncctccgc	ttctaangct	tggcgtgcac	tccagcctac	60
atgacagagt	gagaccctgt	ctcaaaataa	taatnataat	gaactgagac	tcanaaaaga	120
tgtttgttca	nggttacaaa	gctcagacag	gacagggcag	cattggaaac	caaaattgggt	180
ctgactccta	gctcatgctg	taaatcacgg	tgcaaggctt	ctactatcta	tgttgttcct	240
aaaagaatgt	ataaatgaaa	agatggttaa	catattaagc	aaaatatgtt	aaacgtcaaa	300
tgaactgtat	aaacgataaa	tgctggagag	ttgaggtggc	aaagaactca	tgcccagggt	360
gatctgggaa	ggcctcttga	caaggtggaa	ttatagctgg	tttttgaaga	atccgaaagt	420
gcttagattg	aaaggtgaga	catgtacagg	aatggtttct	aagatgtcat	attntatctc	480
tgctctcatc	ttgactggca	ctaataga	tcaaagattt	caacctaaat	acattgagt	540
cccagtatgt	gaanggcctt	atztatgggt	gtttaaaagc	tttttaacat	actttaaaag	600
aagggtactg	ttaatctnca	ctgnctagat	ccattagacc	cgggaccgga	tggccccang	660
ggcctttggg	aatggcgtgg	tgggacagtc	ttncactttt	gcacataccc	aagaaaagaa	720
tggmcctttt	gggaattttg	cagacctaca	atctggagg			759

<210> 4245
 <211> 842
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (842)
 <223> n = A,T,C or G

<400> 4245
 tcccccttgaa ancccntaac caggcttcnc angncaaacn ntttggaana nccaanacnn 60
 aaaanaaang gganggggnac nncngcacgn ngcaagagan tacacaganc ngacngnttt 120
 taacgannat cgnaaaaccc caaatggang gannttgagn cacntgcnaa agggcccaac 180
 tgctcanttt aaaaaagagc agngtccgac annngcaaag aaangcagan naagaggcaa 240
 ggaccccaca gaacacatan ctgaaaataa tncngaataa ntnnacaaca cgggtggggn 300
 aattcaanng gacgnaagnn ngcatccntn nttcctnata ancctcaaat gnaatcggga 360
 aggcaangnt ggccacaatt ccacaaanac acgggattta ccatnannc tncangattt 420
 caccaggata ccatantcaa ggagtgaana gaaaagtggg gaaattcaag gaacttggga 480
 cccaccnngn nanaccntta aaaatnaagg gactcntcaa gaaaaggga cctnangag 540
 tcnaaaaaa aggggaang aatggaang ggncataaa ggcccnggn aaaagggatn 600
 caagnaagaa anaaaaatgc aanttanaaa ggactggga gaaagganaa naggnncag 660
 gcgaaaacag ggcccatcta ggaanccngg ngaaantaan tncngncnag aaaaccnnc 720
 gcaaaaaggg naantcgnnn nnacnnanta aaanccnnc aanggatngg caaanncn 780
 aaaggngtag aaangncanc ngagcgagnt acacgnanaa aanncnata ananntaann 840
 cc 842

<210> 4246
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (740)
 <223> n = A,T,C or G

<400> 4246
 gnnccctttn ctntacanta caagctactt gttctttttg caggatccca tcgattcgta 60
 tctgtctgtc ttgatctcta ttctagcttc tttttctgat tggccctctc ccctctcttc 120
 tgtctgattg gcctgtatcc ttccatcacc ccatctgtct gctggattct ccctgtctgc 180
 ctgcagtaat gtatgtgata gcactttata aattataaag cactatgttg tataaaacac 240
 cattatcact ttgtcttctc tcttacctta tttttcttc ctttatctgg cttcccttct 300
 tctctcttct tctctctctc tgtttgcctg tctgcacccc ttttgggtgat ttgacctgcc 360
 ttctctgtca gtcaatctcc attccctccc tgccagccta tttttctgcc atccctcttc 420
 tctgtctgct cagttcttgc atctctcctt ctgtgttctc aggtttctct atatttcttt 480
 tgccgtgtga gtctctctgt cgtaggacct tttatctatg cctgtgtgtc tcaactgtcta 540
 nctgcttctc tccctgacct tcactttcat tgtggggcat caagtctctg ccttcttctg 600
 tctttcaagt acttcaaaaa ataaaaatta aataaaaaat taaatcctta tgataatggg 660
 tacangagaa attttttgtt taatgagaag atataaggng agacaaagaa ctcaaaatta 720
 ctgtgaaagc aatgaanaaa 740

<210> 4247
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (465)
 <223> n = A,T,C or G

<400> 4247
 agccttttgc nacnctttc aactacttgn ctttttgcag gatcccatcg attcgccaga 60
 aagtgccttt acatttttgt cttggaacaa ctntgcaatt tcatcttgat ttaatatctc 120
 tagtaataaa gcacttctcg actccacatt cttatctctg ggcagacatt ttattcttaa 180

gaattgtagt gnttgatnag aagctnaatg gagatgatta acgtgtcaat gattaataat	240
tataacaaca ttcaaacact tagaaattat agnatttcat canatgtctt tttaaagagg	300
catttctggc cagttgtggt ggctgacctt tgggaggctg agacggctgg atcacttgag	360
gtcaggagtt cgagggtgaga ctggccaaca tgatgaaaac ccttctctac taaaaaaaaa	420
aaatacaaaa attggccggg catgatggca ggcgcctgta atccc	465

<210> 4248

<211> 1070

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1070)

<223> n = A,T,C or G

<400> 4248

ggngggggnn ttttttnnaa annnnnnnn ntttttttgg ngaaaaaagt ccccgccagg	60
gccttacctt tgggtntnct ttttttttgn ccaggggaat ncccccaatn cgggnatttc	120
ccggaataatt tccggggcca ccggaaggaa aaaaccaaatt tantnaaacc ttcaaaaaat	180
gggccctttt tcntaacagg gnacttaccc aaaaagcctg gtccctgggtan tcaagggttt	240
aatggggtgg tttaaaaatc cataaaattt tctggggaat ccatggaatc cttaaaaacc	300
ttttaaattg ggtttcccat tttcttacnt ttacttcntt ttactaaaca aaggtantcc	360
ctggaatggg cctggaaaaa atnccatggt ttggnaaaat tttggaaagg tttttgaaa	420
ttttttccca ggaatccaaa aatantggaa aaaatttttaa ttttttccaa ttttttttaa	480
aaggtaccaa aaaaaataatc caagtttggg antaaatcaa ttgggtaaaa aaaccattaa	540
aaaatttttg gcttattaaa aaaggaattt tttaaaangg gcctaatttt ggaattttaa	600
aaccatttta atttacctta aaaacctctt tttggcttan gaaatttttt ttttaggaaa	660
atttcaagcc attcggggaa gggaanggaa atggtggacc attaaattaa atgggatccg	720
aaaaggcccg aaaagggttt aaaaaagggt tgggtggaatg gcccntcaca atggggttgg	780
ggaanggggt taattctaag ctttcttaaa gggactggaa tgggtttggg ccacaaagga	840
agtgttccat caaggtcata aattngggtn aagacttaat gggcttanaa ttttatggna	900
tttataccct gatggtattg gaattgagat gaatatttta tgaacaaaaa tggagccatt	960
gtgtaagaag tatagtatta aatataagtt aaaacttggg attttaaatc cttggagtat	1020
gtnagccctt caaagctctt gangctgaag gcccgattnt ttgcagtggg	1070

<210> 4249

<211> 1336

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1336)

<223> n = A,T,C or G

<400> 4249

aggnnngnnn nnnnnnnngn ngnnnnnnnn ngngnnngng ngnnnnngnn nnnngnnngn	60
ggngnggggn ngnnnnnnnn nngannnnngn gnnnnngnnn nnnnnngnnn nnnngnnngn	120
ngnnnnnnna gangnnnnngn nngnnnnnnn ngangggngg nngnnnnnnn nnnnnnnnnn	180
nnnnnnnnnn gnnngcngnt angntgggaa aaaanccccc ntttttgggg aagaaanann	240
cccccnngnn ntntcttttt tttgggcnnn gggggnnaaan cgccccaan cggggggaag	300
ggggcggggn aanatgtgnc gggggncnaa ccggnaaagg ggaangngna nagnnnngng	360
ggannnnngn nnnngnnagg ggnnnnnngn ngntttttt tttntnaaan aggccnagnc	420
gangnnnggg nnnngnnngg cngnnnnnaag ggggnggggg ggggggagnt angggggcan	480
gnnnaggggg gncantancn nanggggggn gngagaacgn naaacaacac agggncnngg	540

aanggagng	gnnnagnng	nnngagnnac	gnggcgnng	gngngnaang	ccnncngggg	600
gcngggngan	gngnanaanca	nggggnanag	nagangggag	gngggaaagg	gnggggccgg	660
aantgnngga	gnggcaagg	angnnnganc	ggagggang	gggcgagagg	angagccnat	720
cgagngggg	nagggngac	aggaanggan	aagnangggg	gnaaggcgng	aancgaagg	780
gggggnatga	ggaggagann	gngagngctg	gggggaagg	ggnannggg	gggggnngnn	840
gagngggna	gngggnggg	ggangangat	gggagcnaa	cggtggacaa	aacggcggn	900
caggngggc	aggnanaaaa	gggccgggag	cgngcgngng	ggggaggngc	ggnggtgtan	960
gaggcaggna	aattganngg	gagacnnggn	gngcgngnga	gggnngaana	gngnnngaana	1020
naagacggaa	cnaagtggag	gagggggnan	nnngcgcgag	agagngagg	ngtanggnag	1080
anananangg	nnaggacngg	ngncgngng	nngagtgagn	ggcgcgang	agngngagg	1140
gagcgngan	ngaggngng	nacggggatg	gggangncng	ggggngnnnc	gcggggcggtg	1200
gggacnccng	gggggggggg	gggnnaagnn	ancnngggg	ngnannagan	gangggngnn	1260
cgntgcnggn	gngggggggg	gagagnaang	agnacgnggg	gggggnnacg	nnggggngnga	1320
gngcgagann	gcgcgg					1336

<210> 4250

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (817)

<223> n = A,T,C or G

<400> 4250

tcnngnagtg	gtatgtctcg	cntcnccgaa	nagcaggcgg	ngcgaattcg	gcacgagncn	60
aaaacttngn	aataanncac	tttcatttnt	tttctagatt	ttgtacatct	caggccatat	120
nagcaaagct	tgntgatagt	gnaggntnct	aaacgctgca	aatnngcagn	ctttaccact	180
acaaagaagt	ctggatgatg	gatnctctgc	tnttngtcaa	aatagttact	gctgctgtag	240
aaatttcatt	tttagattna	actgtgntgg	atgagctatc	ataattcaag	tatacattgt	300
cttagnctat	caaataattca	ttgtcatgca	gtagtagtna	aaacatcnna	gatgcagcaa	360
gcntattaag	anntattttac	taaaagaaat	aggaggcatt	tacatcttta	ttattgtact	420
cngggatagt	caaacnctnn	gatanataa	acagttatgt	cccctataaa	tcnggtcagc	480
aacctcnntt	gattatgctg	gggnaagtca	aatagtntgg	aagtaggtag	agtnctggnc	540
nacaaggtgn	ttcaaancctt	aannattngg	aacacngggg	nccaagggct	nnaatcntta	600
aaagggaaaac	tggggnnttta	ntgcaactnaa	accgtttntg	gngccntang	gttcnaaann	660
nccanaacct	tgaatnnant	gtggtanccc	ctgggncaaa	anaaangncg	ggnattancc	720
cactggnncg	gaanaacaat	tgcttaata	aaggtncccc	caattgaatt	ccccnanaaa	780
nggcctnaaa	anggntcccc	tntttccaaa	gnaaant			817

<210> 4251

<211> 1351

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1351)

<223> n = A,T,C or G

<400> 4251

ttggngggaaa	accctttttc	caangagntg	gganaaacnc	cgatcgcccg	naangcgnnn	60
ggggcanaaaa	gngcnatnca	gancgnngna	antnnagecn	ntttttannc	cccacngngca	120
ananangcng	annaaccngg	gnatnaanaa	nnngngcccn	nnngcaanaa	nnnanacnnc	180
atggccnnga	angnncnacc	cttacnnaac	ncaatanccn	ncganancag	aannagntga	240

accnnnnnca	cntnacaaaa	ntctagann	nccgntcacn	caanaagncn	cnnngccann	300
acnnnacnnc	nanncnancn	ncngcangga	ncncacnccc	cnncngnnnc	canacnanca	360
ngacngacnn	aatanncag	annacncgag	cnnctgacnta	annacncaan	tagcannngc	420
cnctcgngnn	acncnnaact	ntngnngagc	ncnnagnngnt	nnnnagctnt	acgcnnncgat	480
agananagcg	naaaacngan	nnnnnnctnt	cnanannnag	actangacag	acnnngncaa	540
cacatnnmta	gaacnnngca	cacatntcta	ncgntatcan	cagnncaggc	annnnacaca	600
anagcancac	ngantgann	cacaanaatc	acgcntngaa	tnnncntnnc	tnannnnaca	660
caaccaanat	nnaanaatgn	aagnacaccg	aacactnnac	angcagacta	nactcngnca	720
cnnaananaa	gaactgacng	acannacaaa	tanaaacggn	ntctacatca	cagangtacn	780
nncagacana	ancnnncgna	nnacaancgg	cncacacagn	tanacntntc	atagcnnctn	840
ancatcccnc	agtgcacaca	agngcncgna	aannntcatn	tcnctanana	cggatnccat	900
nataggaaca	gnanctgcn	tacannnctn	ncaagnaatg	nacagatgcn	cgcanganac	960
gnaagnnncn	nnatnctgca	tgcntngcnn	ancaaatggn	angatnatcn	nanatncaan	1020
nngcngcata	caannngtcg	nctaacacng	atctgcatcc	atngacggat	anacgtngag	1080
tangcctnnt	cacctcnna	gatctgcgtg	ncganatcan	cacnatangc	ntnaanagtn	1140
nncagaacag	tacnagactg	gnnantnaag	ntannatngt	ntnnagtata	ataanncaca	1200
ngnagntaga	cnncaanngn	ngnacnanat	ncnnngcann	cgcaaanaga	gcancnnan	1260
gcgnaccgac	cgcagctaan	acanacnact	ntacnncaca	aancntnnga	ggccgntcta	1320
atnctncatc	nnnncacctg	nacgngaccc	g			1351

<210> 4252

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 4252

taaanntnat	ggntggntac	ttgntcttta	cgcaggatcc	catcgattcg	aattcggcac	60
gagggagccc	agtgttccctg	ttcatgaaat	ctncctttta	ctggaaaaca	ggaatattga	120
ctaccaaatac	acaatgcaat	tgaagccgta	ctgctttttt	gagcagttat	tcattccagt	180
gattaaaact	gattgtgcan	aatattctaa	gaggncanaa	attggngtgt	ntaactacat	240
tttttagtgat	gcaattnatt	gattagtgag	taagatactg	agttttattg	agagatttga	300
ttattataaaa	gtaaaaatac	ngctgnatta	gggttacnaa	cagnaaagtg	tcttaatgnc	360
tnangagggc	atnttanctn	cactacaaaa	ccanatnttg	nctgtacttn	tgaanagaat	420
nttgtngntn	ctcagctgnt	atncaananc	tnaggaagnc	tntatggntg	cnttctatga	480
catgtgnatt	gtgatntgca	tataagnatg	ggtggngtgc	nataccatat	tctngggtnt	540
taaaatctat	cactttncac	cttncacttt	gacgtggtaa	aacttttaaaa	accaangtgt	600
gnaaaccnc	nggnttctta	aaatacnagg	ccttagatct	tatcagncgt	tttgacaaag	660
cagggtttttt	caanggntcc	ctcctnnan	tttttttnnaa	cgggtcaaac	aangnnnttt	720
gaggnaaagct	cttagtttga	cgggaaaagn	tgggnccnt			759

<210> 4253

<211> 1382

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1382)

<223> n = A,T,C or G

<400> 4253

nnncggnnna	nngaannngn	gnnnnnaggg	gnngggggcc	nnngnganng	gnnaanggnn	60
gnnnnnnnna	nngnnggaag	naaggnnggg	aaaacagggg	naanggnnga	caannnnnac	120
nanngnanaa	naggnngnng	ggggngggan	gaaanagggc	gnaagggang	gnaaggaann	180
gggannnnncg	nngnggnnn	ancnnnnnnn	annccnnnnn	gnnggnnccn	nttngntggg	240
aaaaaacccc	ctttttgggg	gaaaaaaaan	nccccccngn	nngnnngngg	nnaannnnag	300
ggngaanaac	cccnacgcng	aaagaangng	gaanggnntc	anggacnacg	nnangggcga	360
ncgcccgaag	ggcannnggg	gnagcnnngca	nccannnnntt	tnccaacgaa	gggnananaa	420
cnannagncn	gcancnngng	cagggggngn	ncgncgangc	gcnnnanagn	acacacaaac	480
taanaagaan	nggaaganan	naacananna	acgaaangaa	ccggnaaaaa	gagacgggca	540
nngcnganan	aggagcngga	cngnaggggg	anccnacngn	annaagcngg	gnagnnnngg	600
gnggaagagg	cngcncggaa	ngcnnnnnacn	antccgnaac	naaanagnan	naangactag	660
gcaaccngaa	cnnacgcagc	ggnnncnann	gcgganncnn	nnacnagcgn	nngaggggna	720
agcgcgcggg	acnaacgggg	nccncggann	ggganngaaa	angccgnaac	aaaagangga	780
cgnaaaaacn	acncananaa	cggnnagggc	ccngcagcnn	aagnagngn	ggagggcagg	840
gnangcggga	aagcggggaga	cgcnnccagc	gagaagcgcg	cnaangaaan	ngancgggcn	900
ncgcgcnggg	nanncgngcc	ggannagag	gacnnatagg	aagtgcacna	ncaaacgcan	960
cggcatcnca	ngaggngang	ngatgnggat	anagngancg	ngananncna	nagaganggg	1020
gagagaagng	agancgcgga	angnacanca	angcgnagaa	ccgngagagc	gnnccangca	1080
ngngagaang	gnannagagn	nannganana	cggngcgagn	gangnnnnga	cacganggac	1140
acgcgcggag	aganncgcn	acatgaagna	ancggnggga	tgggaaannn	gannganana	1200
cgganggaan	cnggggncga	gangagangg	ngaggcncac	cnaacacgga	gggggagcna	1260
ggtagnggca	nnnaangaga	cgcgacgaa	aacggganaa	ccgaaanggn	ggngcaanga	1320
nannangggga	agacgcacgn	gnngnnngga	gnaaannang	ngggaanacg	aanaaaancg	1380
cc						1382

<210> 4254

<211> 1245

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1245)

<223> n = A,T,C or G

<400> 4254

cgatacacat	cntnnncaaa	tgatatacnat	ntaanatatac	aatatnttnc	ntnttnatac	60
tctgcaannn	aagaaaagan	anantnaggt	gctgttgaan	ccatnanctc	ttgttttttt	120
gcagnnccca	cgnntcgaat	tcggcacgag	gttttcctca	ggcacaatga	gccactgcag	180
gcttttgagg	agaagagtga	caagctgnag	agctgtgttt	taggacagct	atcctagagc	240
tatgtgtggg	cagagagtac	aagcaggtta	tttatgaggg	tngggtaaaa	aggcagacag	300
gggacacatt	tgtcatatgc	cctattgagg	cncanaatca	nggaacagga	ggtctgcngg	360
ttncangaca	ggccaaatca	nggananaaa	ggactatccg	ggattancaa	gtcactggtg	420
atcganatat	cactttcttt	gaanntttan	aaatgggttn	tggtanact	tgcnannctc	480
ttcattaana	naacctgcca	caaaccaata	aanttanngg	tttaaaatag	aatcntgnag	540
ttatananan	cccaatggga	anctnngnta	atannttnta	nngggaanac	tnttnnngtt	600
naaaaagggga	aanntnnggg	aaancccgnt	nanangagag	nggnagnntn	tggcataana	660
gacnggnnt	ctctcctcta	aacganatac	gaatacctct	tnccgcnntt	acncnnnngg	720
tgntnnanaa	acgntatntt	tctacacggg	antctntgtc	gtttttttta	agataatnag	780
nagnacncaa	tacataantn	ncaagcncgc	gtananaana	nantgnacgc	tnannataan	840
aactcttntc	ngtatnggcc	nctaantctac	ttaanggana	aagcttaata	taangntgat	900
ggcaagggtn	ccccntgtag	antctntacc	nattgtctca	acgatctccc	taacgttatc	960
nnntngaca	ccatgacgcn	attngangcn	cacttantnt	gaacnggtaa	aagnntttnt	1020
gggggtgcnn	tannaatacn	nangtcnnca	tcncttttnn	nggttanant	ntccncancn	1080
tngatataaa	gannaaataa	ntggtgcaac	ntatattttt	cggnnacnna	nntatattct	1140
ctntgggnna	tncatgtctn	catnctgtcn	ttatcnattt	ntngtaagna	gaaaccngtn	1200

aatntcttat gaannnnntnt cnntttcgta atttgaaaana ccncg

1245

<210> 4255

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 4255

aggnggnatt aannnnnttt ttanannngc ngctcttggt ctttttgcag gatcccatcg	60
attcgaattc ggcacgagaa acaatataac tcaaatgcct ttctacagga ctacaaagct	120
gtctgtatca gggtatgggtg ttaaatacata atttctggat catgatctta aacctttaat	180
tggttccatt tctactttac tctttactaa caagtatcct gatgggcctg aaaatccatg	240
ttgaaatttg aagtttgaat tttccagatc aaatatgaaa tttattttca ttttttaaag	300
tacaaaatat cagttgtata atcatggtaa aacataaaaat tttgctataa aagattttta	360
aaggctattt gattaaaaca tttatttact taaactcttt gctagaattt tttttagaat	420
tcagcatcgg aggaggaatg tgacataata atgatcgaaa gccgaaagtt taaaagttgt	480
gatgccctca catggttggg gggttattct agcttctaag gactgaatgt tgtccacaag	540
agtgtcatca ggtcataaat tggtaagact taatggctta gatttatgta ttataacctga	600
tgttattgna ttgagatgaa ttttatgaa caaaatgagc acattgtgta agaagtatag	660
tattaaatat aagttaaaac tttggaattt taaataacct gggagtatgg taaagccctt	720
tccgaagtct cttggagggt tgaaaggccg nattcttttg cantgggn	768

<210> 4256

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 4256

tgngnttta nananncngg ctctcntctt tttgcaggat cctcgattc gaattcggca	60
cgaggtaaaa catgtaattt ggacatgcaa gacaatgctg ctgccaaacta acattgcatt	120
gattcattaa gatgttattt ttgagggtgtt cctgggtctt cactgacaat tccaacattc	180
ttactttaca gtggaccaat ggataagtct atgcatctat aataaaactat aaaaaatggg	240
agtacccatg gttaggatat agctatgcct ttatggttaa gattagaata tatgatccat	300
aaaaatttaa agtgagaggc atggttagtg tgtgatacaa taaaaagtaa ttgtttggtg	360
gttgtaactg ctaataaaac cagtgactag aatataaggg aggtaaaaag gacaagatag	420
attaatagcc taaataaaga gaaaagcctg atgcctttta aaaaaatgaa acactttgga	480
tgtattactt aggccaaaat ctggcctgga tttatgctat aatatatatt ttcattgtta	540
gttgatatatt tttcagaaat tataaatatt attaatataa aatttgaatt tgtgtttgac	600
taacaacctc gatggatctt cttncacct nccattaaga tcctgcagaa gaaatagaaa	660
tattcaaata ttgcaagggt taattgtgag acaacttatt ataatacgtg ttaagttcta	720
ctgganccat ggaaatgggt taagaaaaa	749

<210> 4257

<211> 466

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 4257
 tgnttcnant nttttacaac tacttgttct ttttgcagga tcccatcgat tcgnattctn 60
 nacgaggetg cttactaagg ctttnactgn nanatcgntt gaccenntnn gtcgntngct 120
 gcacatgccn atattnnnnc gacnnngctn nntcctgngc ngntangnga tgacctgnnt 180
 cnggacacaa tggngaangn gtagnggtgc nngacatngg cgaaattgtg ngcnactaga 240
 antngtgnca angcnngntt tcacatancc tnnnnnnnct acttgccatn ttnnantgan 300
 cttntgcct cactnacattc ntnggttcat aacnngacnc nctaagngna caactccgaa 360
 cccacattgg ncaaaaaaaaa cnacatatgc tnacngttcc tntgccccat gtgnncmntn 420
 aacttgnatn atcttanact gaaccagngc tccaccatt catnct 466

<210> 4258
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = A,T,C or G

<400> 4258
 tngatncctt cgtacagctc ttgttctttt tgcaggatcc ctcgatnogg cctatcttag 60
 agaatcatct gctcannctt tattcctgca gaatacaaat gtcacattct aacctgttca 120
 gagattgtct tcaanataaa antgtgattc ctacatggna tgnnaaacia nctacactnn 180
 tnggcaaaag gcattattag ggntngattc cataatgatt gagtntctnt nnnnagtata 240
 ntcattgcanc tgaacaaaat gaagctcatt ccactgcntn gaanaatnnc acaaattgta 300
 tgctnaanan aggaagccac gtgcanacac tnactatata attntatgta catnaagttc 360
 agnatccgga tagttaccnn tgnnaaggan gtaactnnan gagtntgagg aggggnttct 420
 ggtatctggt taatgnactt ngtaaccantt acccaanagt gnnt 464

<210> 4259
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(882)
 <223> n = A,T,C or G

<400> 4259
 gnagcntnnn nnttttctaa ngttggetac tcgttctttt tgcaggatcc catcgattcg 60
 aattcggcac gaggcattct gtccctggga accctttctc attctccaag cctggtcagc 120
 tgcttgacac ggcagaggtg ccctcagccc aggttagcaa cactcatagt tttgccaatt 180
 accagtagac actagtggaa ccatctaact ggaacttctc ctctccttcc acttatttcc 240
 tcaaaactgt tgctttacac tagacacatg caaatgtatg ttttaaacac accaaaacag 300
 atcatgccaa atgagttgcc tgtcaaaggc tggaggggcag gaggagggcc tgggtttggg 360
 ttctttcttc ccagcctttg gatgggtgct tgggcccctt agccccagcg ccagggcctt 420
 ccagctgagg ccacaggaaa gcactttttt atgatgtact aaaagccaca gtatgtggca 480
 actgcaaaag gatcaggaat ttaggggtatg atctcggtca cgtgtcccgg gccgctgagg 540
 ggaaaggaag cgggcatgat ttagagacaat gaggggggttc tcttgatgta atgaaatgca 600

at tt t t a t g g t	t t g g t g c a a a	a a c t c c t a t t	t t c c a g t t a a	t t a a c t t t a t	t t c t a a a g c a	660
t a t t t t t g a t	t t n c c a t c n a	n a g c n a t a a a	g c a t t a a a a t	t c t t t a a a a a	a a a a t n a t c n	720
n t c t c n a n t n	c t c c a n a t n c	a a a a a a a a c t	t c g n n c c n t t	n a a n a c c t t t	t t g n g g n g t t	780
c n t n t t t t n c	c g n g a n n c c c	c n c n t t n n n	n c t n n g a t t c	c n t t t g n c t g	t n t t t t g n g a	840
c n a c c c c c c c	a t a c t n a g a n	t n c t c c g c a a	a a a a a a n t c c	n t		882

<210> 4260

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(755)

<223> n = A,T,C or G

<400> 4260

n n g t g n a n t g	n g a t n t t g g c	n a g c g c c a t g	a n t n n n g g a g	t c g a n c g a n n	n n c g g c a c g a	60
g g a g a a c c n c	n t a a a g c c c t	n a n n n t t c c t	t t t t t t n g n a	n g a a g n g g g a	g t a n a t g g n t	120
n g c n a t n t a n	n c c n a n a n g g	c a c n n t n n a n	g g a g n g n a a	c c a c t c t g a c	g t t n n a t n g g	180
c a n t g a g a g n	t a g a n c a g a g	g c t g n c c t g c	n t g g a a g c t g	a t a t a c c c t a	t a a t n c a n a g	240
g g n n n n a g a c	n a n t n t t g n g	a a a c t c g g t n	a n a c a t t c t a	t t t a n a g a c a	t g c c t g c t g a	300
t a t g a c n t a t	a t t t t t a t a g	g g a t a c c c n t	t t a t n g c t g g	g a c a t n a a n c	c t g n t t n c a c	360
t c n a a a t g n n	c c t g c t t t c a	g a a a a t a g a a	c a n g a g a c a t	g c c g a a a a c a	g n g n t t c t a t	420
t a t t g t g n a t	t a t g a n t t t t	g t t c t n t a g a	a c t a t t t t c c	a a c t c a t c t n	n t t n c c t g c a	480
g c t g n g g a a t	c t g g a c a g c n	a a a t c t t g t g	g a c g t t t a t t	c c a c t a a g c c	c a g g g a t g a g	540
a t g g c a c t c a	g g t t a a a g a a	c t a a c a t t t t	c t g a a c c c t t	n a t t a a c t a t	t t a c c a g c a t	600
c a g g c c c t c t	a a g t a c a a g t	g t c a g a a t c c	t t c a t t t c a a	t t t t t t c a c t	c n g g g c a t t n	660
c c c a t t a c a a	a g c c c a t c c t	a t t a t t g a a c	c c n a a n t t n a	g c a a a c c a c t	t a g g t c t g c c	720
a c t t a a g a a n	t c n g n g n n n c	a a g g t t g c c n	a a g a a			755

<210> 4261

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 4261

t g t g t t t t c t	n n c t g t g g n n	a c t g g c c t t t	c n n c a n g a a g	c c t g g c c g g t	c g a a c t g c n a	60
n c g g c n n c n n	c g g a a a g g g n	n t g n n c a a n n	g n a a t t t n t g	c n g n t n a n g n	t g t a t a c a c c	120
t t g g a n g a n n	n n n n t g n g c n	a t t g c n g n t c	t n n g a n g t a t	t c a n g n c n n n	t a a a t t c n t c	180
a t n a n c c n c a	c t t c c a t n g t	n t n n t c n g n c	a c a t g c t n n c	a n t n t a t n a t	n c n t g n g a a a	240
n g c n g a n t a t	c n a t g c t a g a	c n t n n n t g c a	g g c t g n n g c n	n c g g a n n t g t	c n t g a c n n c a	300
a a c t g t t t a c	t c t n a n t g a c	t g t g n n g g c n	t t t n t c n n a t	g a a a a n n n g g	g c a g t a t t c c	360
c t t n c t a a a n	g a g n t c n n a g	g a a g a a g a t g	a g a a n c g g g g	t g g n a t c a g n	a a c t g a n n n g	420
g c a c n g a a g c	a c g t g n n a g a	c c c t c n n a n a	a t g a t g t g a n	n g g a c c a a a a	g c n t g a t c a c	480
c a a g c g c t t t	c a n g n c t g g a	t t c c n n n c n c	g n a t c c a t a n	n a g t c n t g t n	a n c c a g g a c c	540
t t n n a g n a t	c a t n n n c c n g	g c g t g t n g n n	a a t g a g c a t n	g t g t g g t a c a	c t t g a c g n t g	600
t c c c c t g g t g	c n t a c t n t g t	a a t t c a t g c t	n c a c t a g a t n	a g n c n a g n a c	n t a t a t n c g c	660
t t o g g c a c t g	t g t g c t n g t a	c c n a c c n c n c	g t t g g a c c g t	n a t t c c c c t t	n c a a t g t g t n	720
a n a t n t n g g	t t g g g c c t					738

<210> 4262
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 4262
 ntcntngata canctacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag 60
 gcaattgtct atttatcttt tatnttttta agtcagtatg gtctaacact ggcatgttca 120
 aagccacntt atttctagtc caaaattaca agtaatcaag ggtcattatg ggtaggcat 180
 tnatgttntc atctgatntt gngcaaaagc ttgaaattaa aacagctgca ttagaaaaag 240
 aggcgttctt cccctcccct acaccnaaag gtgtatttaa actatcttgt gtgattaact 300
 tatttanaga tgctgtaact taaaataggg gatatttaag gtagcttcag cttagctntta 360
 ggaaaatcac tttgctaact cagaattatt tttaaaaaga aatctggtct tgtagaaaaa 420
 caaaatttta ttttgtgctc atttaagttt caaacttact a 461

<210> 4263
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 4263
 annnannctg nnggtcgtgt aacgcccttt ntnnangaag acnggcgatn cgaattccga 60
 ggatccaaga gggcnnnact ngggngggct tcntttcagc tgaaggctgc taccgtaccg 120
 tgtgggagcg cctgggtctg gccttccaga cccagaggc atactgccag cagcgagtgt 180
 tccgctcact ggctacatg cggncactga gcatatgggc catgcagcta gccctgcaac 240
 agcagcagca caaaaaggcc tcctggccaa aagtcaaaac gggcacagga ctaaggacag 300
 ggcctatgtt tggaccaaag gaagccatgg cnaacctgag cccagagtga gccgtctgaa 360
 ctgtgggagg gaagtgctaa cagcccagcc tncagcctgg cctttectcc ttcccctctg 420
 aacctcctgc aaccctgagc catcaggaca atcatacccc ttcccttctc tccacccaat 480
 tgtgccagta aatgggggtt gagggtgacc taggcagcat tagaatcact tatttatttc 540
 tttcctacct gtccctgac tgcgtgaaat gttcagggag gtcagttgat ttccccaggt 600
 acattcatgg tgtgacagac acatgggtac aaataaaaga cccagaaagc caacnaaaaa 660
 annnggtttt nanncnnga attttaaaaa nntntaaatt ncntngnntt aaaaantnct 720
 tttntgnaaa aaannntttt ggccttttt 749

<210> 4264
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(747)
 <223> n = A,T,C or G

<400> 4264

nggggntnttt	atanaatcca	ggcctacttg	ttctttttgc	aggatcccat	cgattcggcc	60
acatcggggg	caccaccctc	catgcctttg	caggcatcgg	ctcaggccag	gctcctctag	120
cccagtggtg	ggccctggcc	caaaggccag	gcgtgcggca	gggtgggctg	aactgccagc	180
ggttggtcat	tgacgagatc	tcaatggtgg	aggcagacct	gtttgccagt	ggccaggcct	240
atgtggccct	ttctcggggc	cgcagcctgc	agggcctacg	tgtgctgact	ttgaccccat	300
ggcggttcgc	tgtgaccccc	gtgtgctgna	cttctatgcc	accctgcggc	ggggcaggag	360
cctcagtctg	gagtcctccag	atgatgatga	ngcagcctca	gaccaggaga	acatggaccc	420
aatcctnctg	agcctnacc	acaaagagga	gacaaaagg	ttggcctgtg	gcctncccg	480
cctcctgctn	cctatggccc	angggcccc	ggaataactg	gagtaggcag	gcagtgtccc	540
cttctgtatt	ttttanggac	tntaaccttc	tgcagggtta	aagggagaag	tctttaaac	600
catataccaa	ctgtgcttca	gttcttttan	ttttgcctgg	gtaaactgct	gtagggtcag	660
aattaccctt	tctgtgccaa	ttganaatga	acctgtgtgg	tactgatgtc	agaggacaaa	720
ctntntgaan	ggcttgaaca	nacttga				747

<210> 4265

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (793)

<223> n = A,T,C or G

<400> 4265

ncntttatca	aancgnttgg	gctactcgnt	ctttctgcag	gatcccatcc	gattcgaatt	60
cggcacgaga	aagaaagggc	tcgtgacaga	gaaagatnna	aagagaagtc	gttcacgaag	120
tagacactca	agccgaacat	cagacagaag	atgcagcagg	tctcgggacc	acaaaaggtc	180
acgaagtaga	gaaagaaggc	ggagcagaag	tagagatcga	cgaagaagca	gaagccatga	240
tcgatcagaa	agaaaacaca	gatctcgaag	tcgggatcga	agaagatcaa	aaagccggga	300
tcgaaagtca	tataagcaca	ggagcaaaa	tcgggacaga	gaacaagata	gaaaatccaa	360
ggagaaagaa	aagaggggat	ctgatgataa	aaaaagtagt	gtgaagtccg	gtagtgcaga	420
aaagcagagt	gaagacacaa	acacttgaat	cgaangaaag	tgatactaag	aatgaggtca	480
atgggaccag	ttgaagacat	taaatctgaa	ggtgacactc	agtncaatta	aaactgatct	540
gattnagacc	tcagatcaga	cagaggacta	ctggttcgaa	gattttttgga	anaatnctga	600
ngaacgggat	aaagtgaaga	tcgnncnttt	aaaaaaatga	ggttgaaaag	aaagctatna	660
gtggcattna	aaaagtntta	agctncantt	agttttnttt	attattatta	ttatttaaaa	720
ggttaatttc	aaggacttga	tgttgacctc	cngattttccn	gaacatgtgt	tnaatagttn	780
ttattccctt	tgg					793

<210> 4266

<211> 811

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (811)

<223> n = A,T,C or G

<400> 4266

tnnnaatcnc	nnnaagcctt	tgttnaacc	ctttgctact	ngcncntttt	gcaggatccc	60
atcgcttcna	attcggcacg	aggttatncc	agtatctgnc	ancagaatgg	cattgtgccc	120
atcgtaggagc	ctgagatcct	ccctgatggg	gaccatgact	tgaagcgctg	ncagtatgtg	180
accgataaag	gtgctggctg	ctgtctacan	ggctctgagt	gaccaccaca	tctacctgna	240
aggcaccttg	ctgaagccca	acatggtnac	cccaggccat	gcttgccactc	anaagttttc	300

```

tcatgangag attgccatgg cgaccgtcac ancgtgcnc cgcacagngc cccccgctgt    360
cactgggatac accttcctgt ctggaggcca nactgacgag gangcttaca tcaacctaaa    420
tgccattaac aagtgccnnn tgctgaancc ntgnnccctg accttcttct actgncgagc    480
nctgcangcc tctgcnctga acgcctgngg cggnaataag gagaacctga agctgctcac    540
gaagaatntg tcaagcgaac cctgncnaac agccntgcct ggcaaggaaa gtncacttnc    600
gagccggtta ggctagggct tgetgcaacc gaagtccctt ctttggtntt ctaaccatcg    660
ccttttttaa nncggaaggg tgtttcccca aggattgccc cccaanaact tnnaagnccct    720
ttggccccaa tttccnantt tttgaaanaa ggnaggnccg ccntncttta nngggcttcc    780
aaaccttggg cttaganccc nggctttttt t                                811

```

<210> 4267

<211> 469

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(469)

<223> n = A,T,C or G

<400> 4267

```

ntnccntttt nantacanat acaagctact tgttcttttt gcaggatccc atcgattcgc    60
catgcccagc tgtaatttct tattaggtgc cagacattat gaattttacc ttactgggtg    120
ttgggtacat ttggatgtct ttaagtattc ctgagaatta ttctcagggt cagttagggt    180
acttatgaat agtctaattc tttagagtct tgctttcaag ctctcttagg gcaggagcag    240
cctttagttt atgactaata tggccctggg actgagacac taccattcta agtacctaaa    300
tacccaatgc cctgtgtagc atgaggcatt tcactctggc tgataggact gtgaactagc    360
ctcaacctta tatggtcttt gatgattgtt ttgcctgttc ctttctgtgg ttcttttccc    420
gtgtcttctt tactcacgct tactgctcag tactcagccc gaagactct                469

```

<210> 4268

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(463)

<223> n = A,T,C or G

<400> 4268

```

cgttacttcg atcaagctct tgttcttttt gcaggatccc atcgattcga aaacccttac    60
aaaaaaactt taaaaaaat ggcagcaaag ggtagttttc atctgggtgc ttttatttaa    120
gttttttaag ttaagaaaag ctggtgacat atttatacgt ttttgtgcaa aaataaatga    180
atggcaatag attttaaaaa atcttattat gtacttctgt gtgaaaaagt ctgtataata    240
tttcccttaa atatgcatta ttttacttgt gagttttttc tgaattaatc tgaaatgtca    300
agccctggat ttgctacaga gtgagaagtt attttatttt tttttatttt taattntgga    360
aattctgcag aatcanaaac tcttaccatg gtttgaacaa aaaaagggga aatggggagg    420
ggaaaagggt gggattgtcc ancatgcttg tatgtatatt tca                        463

```

<210> 4269

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(468)
 <223> n = A,T,C or G

<400> 4269
 tccgtntgan taccgttaca ngctacttgt tcttttttgc ggatcccatc gattcgaatt 60
 cggcacagaa gaccaagcgc atgcgaacct ctttcaagca tcaccagctc cggaccatga 120
 aatcctactt tgccatcaac cacaacccgg atgccaaagg cctcaagcag cttgcccaga 180
 aaacaggtct gccaaaagag ttttgcaggg agaacaaatc ttggggcatt acagccaaac 240
 atcccagcgt ttgaaaattc cctaaagtat taaaagaagg ggaaaagttt gatcggaat 300
 ccactgcagt gaagacaaag acactattag gttatgataa tcatacatta aaaaatttat 360
 taagccaaaa aaaagagaga gagagagact taaatgtcat ttactgaatg ttaacgaaac 420
 ttgtgttctt tatggtgtct aacacaactg aaggcctaaa attatgtg 468

<210> 4270
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(765)
 <223> n = A,T,C or G

<400> 4270
 nncttactna aaccgtttgg ctacttggtc tttttgcagg atcccatcga ttcgaattcg 60
 gcacgaggac ctatcttgat ctggatagta aagtgaggac tttaaaaaag tttattaaat 120
 tactgggaga aatcatggag cacagattca agacatatca acaatttaga aggtgtttga 180
 ctttacgatg caaattatac tttgacaact tactatctca gcgggcctat tgtggaaaaa 240
 tgaattttga ccacaagaat gaaactctaa gtatatcagt tcagcctgga gaaggaaata 300
 aagctgcttt caatgacatg agagccttgt ctggagggtga acgttctttc tccacagtgt 360
 gttttattct ttccctgtgg tccatcgcag aatctccttt cagatgcctg gatgaatttg 420
 atgtctacat ggatattggt aataggagaa ttgccatgga cttgatactg aagatggcag 480
 attcccagcg ttttagacag tttatcttgc tcacacctca aagcatgagt tcacttccat 540
 ccagtaaact gataagaatt ctccgaatga ctgatcctga aagaggacaa actacattgc 600
 ctttcagacc tgtgactcaa gaagaagatg atgccaaagg tgatttgtac ttaacatgcc 660
 ttgtcctgat gttgaaggat ttgtgaaagg gaaaaaaaaa tctngactct tgatataata 720
 aaatgagact ggaggcattc tgaaattgaa aaaaaaaaaa aaaat 765

<210> 4271
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 4271
 nnccnnttna ntnanagatac aagctacttg ttctttttgc aggatcccat cgattcgctt 60
 ggggccaggga tcctggagtc cttgcttggg gataacttcc tggagagctg ctcagtcagc 120
 tatacccttg ggagtctttt gttgagggag aaataaatgt cattttgcaa agccactgat 180
 attctgtggt tatcacggca gtttagagag gaaggatggg ggaaagctgg gttgcgctct 240
 agccttgaca cttcctgcct ttgtagtgtt aggcacacat ggcaacccca gaaaactcan 300
 ctgcctcagt ttaaggcat gcagggtctt tgtgaggacc atataagcca cgtggagggg 360

tctagaccaa gcatagtgtc tggaagaaag ggcgtgtgtg ctaatgattt atgtctcttt 420
tctttctgag agtcttgtct cccaacacca naggtgagac cacctg 466

<210> 4272

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (465)

<223> n = A,T,C or G

<400> 4272

ttcncctttna tatagatata gctacttggt ctttttgcag gatcccatcg attcgaattc 60
ggcacgagct ttagcccccag tcaagttacc tcagcaaaga ctagctgacc ctgccaagcc 120
ctgcccgaagt tacagaatca tgagcaaata aatggctgtt tctgttttaa gcttttaaatt 180
tttgggggtg gtttatgtgt caataataac tgaaacagat aatatatata gaataaactt 240
tagttttaat aatctaagta aaagcccact aattcattat gcagaaaaaa atgatttttt 300
tgagacgggg tctcgctctg ttgccaggct ggagtgtgtg ggcacaacca tagctcactg 360
cagcctccac ctccctggtt caagcgatct tcccacctca gcctcccgag tagttgagac 420
cacagtgtccc ttggtgtggt ggaagcaagg tgccatgtga taagt 465

<210> 4273

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (630)

<223> n = A,T,C or G

<400> 4273

nnnactntn tcnncatnnn cngancnnnn ntctcngac antttgnna acngntntgt 60
ggggnnngnn nnanntnngc nnnnnnnnnn nnnnncnaan ccttggaac ctncctnngc 120
cgatccnnnn ntgcannatn cgcngggngg gactngnaan cngnccana taatnagggn 180
ttnnnctgna cnnngcaaaa accccannat taggnanggn gcgctaggng gcccnananc 240
catgnagtgg cacgncgnca nncngttggt tnnccaatcn nnaattcgna tcgcctcggn 300
ancgcccctg gggtangggg aactctgnc nantggncn actgntnana anaaggganc 360
nagtgtcng angnccnng cntacncnag ngaatcctnc cngngnnccg ggngactagg 420
ggnggatncn nncangaagg nnnngagccg nagaacanac ntgggtgacn ggntgngaca 480
aagnnnccgt cnaaaaaatg ctangggnaa nnacanaagg agnntcnaan tgcantanna 540
ngtgangttc caacgcccna tgaaaaagg annanggaaa gtcgcacant gattganang 600
ggncgccngn ngngcatatn naatnnanc 630

<210> 4274

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (618)

<223> n = A,T,C or G

<400> 4274

tnnncnnncan	ncnnncnct	nnnnnnntn	gantnnnnnn	nnnnnacntn	ctcangnnng	60
tnncatncan	naagnnngta	ntntngtcgc	ntgnncntnn	nnnnntatc	gnaatnnnnn	120
nnnnnnntnc	ttncctttgg	taacccttt	tnnnccntgg	cntnacncat	gnaaccgta	180
agncgngcn	angcnatagc	tatnaacgaa	catttnncnt	ngctacggnn	nattgnactn	240
acgcngncnt	gtangancc	acnttnacat	gcnaggncgg	cacaccgggtg	naataatngn	300
gtcgctnnnt	gggtgcgcc	ctaacgcttc	cnttngcntn	agcncangng	cctnagactn	360
ttacagnngc	attgganaan	gncgcgcgct	naccgctgc	ntacncaat	naaggngtgt	420
gaaacacngg	acntgggttg	aaaaacnntn	aanccngatg	gcngagccta	agccccngg	480
gngcctgagg	aagcgtgcag	cnaggtncnn	atganaaatc	acttgtgncn	aaacggacaa	540
tganctgcgn	agnggaantc	tgngcncgtt	aggncacnca	nttgttnatt	gggcgcattg	600
aanngncatg	actccnnc					618

<210> 4275

<211> 1446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1446)

<223> n = A,T,C or G

<400> 4275

gngngnann	ggnggggna	nngngaggn	gngngggnn	gngnggggn	gngnganggg	60
nnngccnnan	nnggccggag	cnggggnnc	ggngngagag	ngcnnngnaaa	gccctttgga	120
aaggncggag	nngagtggng	ggccgncgga	gaggggggn	ggggangngg	ggnagngggg	180
ggggggggng	nngcncgnnt	gagnggnngg	ggngagaggg	gngcnnnnng	gngggggggg	240
ggcngcngcn	ggngngaggg	nnggnnggna	gngnggnngg	aaggnggngg	ncgangnnnn	300
agtggangnc	gngagngcgg	gggaanggag	nngcnggggg	nngnnggggg	ggnngngggg	360
agggnnagga	gggnnagagn	gncnngtggn	agggagncng	gnnnnngaan	gagcgaccng	420
gaggggaang	gnaggganng	ggngagggga	gaggnnggn	agncgnagag	agggncnggg	480
nggannacgg	annacggngg	cnangncntn	gagggcnnccn	nggggaggcc	nannanggtc	540
cgggggggnc	aggaaggann	caagggaatn	aggaaaanaa	gncgccaaag	ggngggnaag	600
nngaaannnn	gcangggggg	ganngccggg	agcggannng	gngagngan	agggngangn	660
gggangaang	cgggnngggg	ggaaggagng	gagnganaaa	angggccagg	gagggngggg	720
angngngac	cnnnggnana	ncaangggng	aaangcngga	nggggnaga	gagngggan	780
naaccngaga	nggaaanggg	gangggggcc	aaaggggggg	gggagcccn	ggnggggaaa	840
aggganccag	nttaagaaaa	gagccgggn	agaggggngg	ggaanccaan	ngtgmagag	900
ggcgnccgaa	gatggngaga	nnaaaccagg	ggganagcat	gggggatnan	aggganaacc	960
cgangangga	aaggcaaggg	gaacncnggg	anngggggaa	ncgnaagccg	ggggngggcng	1020
ggnaanggg	aanagnngng	agggggggaa	ggggaanant	gaaccnnggg	naggaaaaaa	1080
cgggggggaa	ntnaaaaaag	gggggggaaa	aggaaantgc	gggagccaan	gnntgaaaga	1140
aaaanaaata	gggnaagggg	gggggggaga	naggggnaaa	aagggcctga	catagaggng	1200
gggggcgagt	atgggnnaaa	gaaaaagggg	gngntnnaaa	agggncncng	ngaggtanga	1260
ggggaggngg	ggtngggaga	nagngaang	aagagcgaag	agatnagttn	naaaaaangg	1320
gngganaaan	ntgcgcaggg	gaagctgggg	aaaggggngg	ggacccann	agccncggga	1380
anatgtgncn	gggaaaaana	gggggggggn	gnaaganag	ggggaaaana	aaagggccca	1440
ccnggg						1446

<210> 4276

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (762)
 <223> n = A,T,C or G

<400> 4276
 ggtaggttttn angmnnnttt ttctantngc agctacttgt tctttttgca ggatcccatc 60
 gattcggttg gctctcccag cgtctgacct ggcggtgtctc tcagtcccat cccaaggcga 120
 tgttctctac cgctagatgg agcatcagac ctcaagtcaa gancatccca gttcactgnt 180
 gcttnnggtg gctctantct gggagggang gggagacttg aaaatgggan gatctcattg 240
 gcttgctaag gnttnggatt tacctcntat cactggagac ccattgtagc gacaangtca 300
 agggaaacnn gacttggtta ctatcngtgc gctctacatt gaatttaccg acaaactctg 360
 tgannaatcn gatatgaaca atgcacnctn nctnngtctn agacannnnn ttannaagaa 420
 ggngcacact gaacnnnctn acagcactnt tngntagggg cactgtactn tgacctgnat 480
 gaaantntan ccgaggccan aatngaccna ctatnaagct taacacngat tnnagnnata 540
 taatnaatga nnattnaana tgancctgan ctannagctt aatagtntctg atgggcctnc 600
 atgtnatntc aaaggncttt gaattggcta cttanaagga naatggccaa tngnacgtgt 660
 tnnangaaa ggaacagga aangcnccta gtcccantgt aatgngtctn nggcaancaa 720
 nctgtttaaa acggtntcgn aaaaaaanan ntccnnnt nn 762

<210> 4277
 <211> 793
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (793)
 <223> n = A,T,C or G

<400> 4277
 ncntttatca aancgnttgg gctactcgnt ctttctgcag gatcccatcc gattcgaatt 60
 cggcacgaga aagaaagggc tcgtgacaga gaaagatnna aagagaagtc gttcacgaag 120
 tagacactca agccgaacat cagacagaag atgcagcagg tctcgggacc acaaaagggtc 180
 acgaagtaga gaaagaaggc ggagcagaag tagagatcga cgaagaagca gaagccatga 240
 tcgatcagaa agaaaacaca gatctcgaag tcgggatcga agaagatcaa aaagccggga 300
 tcgaaagtca tataagcaca ggagcaaaag tcgggacaga gaacaagata gaaaatccaa 360
 ggagaaagaa aagaggggat ctgatgataa aaaaagtagt gtgaagtccg gtagtcgaga 420
 aaagcagagt gaagacacaa acacttgaat cgaangaaag tgatactaag aatgaggtca 480
 atgggaccag ttgaagacat taaatctgaa ggtgacactc agtncaatta aaactgatct 540
 gattnagacc tcagatcaga cagaggacta ctggttcgaa gatttttggg anaatnctga 600
 ngaacgggat aaagtgaaga tcgnncnttt aaaaaaatga gggtgaaaag aaagctatna 660
 gtggcattna aaaagtntta agctncantt agttttnttt attattatta ttatttaaaa 720
 ggtaatttc aaggacttga tgttgacctc cngatttccn gaacatgtgt tnaatagttt 780
 ttattccctc tgg 793

<210> 4278
 <211> 903
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (903)
 <223> n = A,T,C or G

<400> 4278

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ggtttnttttn tttgngnttt ttgngcnttt tnaggcgtnn tntctgatcc ccgctaattg      60
cattcggnccg ngctncccta cagatantgc atgcacnttg nagntaatcc agtggtntta      120
acngntncat antntatcaa gcngtncatg aangtgtngt natnaaatgt ctatgtatct      180
ntagttacat tcaaatnngn aactttataa acatgttnta tgcttgagga aatttctaag      240
gtggtagtat aaatggaaac tttttgaagt agaccggata tgggctactt gtgactagac      300
ttttaaactt tgctctttca ngcagaagcc tggtttctgg gagaacactg cacagcgatt      360
tctttccag gatttcacaa cttttnaagg gaagatnaat gaacatcnaa tttctaggta      420
tngaactatg ttattgaaag gaaaaggaac actggtgttt gtttcttaga ctcatgaaan      480
ttaataatta tgaangcaat gaaaaattaa nttgaaacat taaantctnc ntgacantng      540
gaatnatcc tttgccactt tnttgcatat atttcagaan acnattccgt nnntnttcc      600
antntngcna acccatttnt ncctggatnt tnggccatan ttttgacntc ccggnntntna      660
ttcannatnn ccttnncccg gtaatcgunc antttgggan atctggnant nttaaaatat      720
gncntttata tatanttaat ttctttcann naaanttctg gnataggcct ggtnatttan      780
antnnntntt tatttgnggg nanancnntt tatcgtntan aanatttaac cncttntnt      840
tttctgnggc ccttttcgta taaaaacctt cntntatntt tnnngacaat nttntnttt      900
nnc                                                                    903

```

<210> 4279

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (866)

<223> n = A,T,C or G

<400> 4279

```

angcnagagc ccacggaatt tncatgcctt tatcgagncn gcnccegcgc ggannnaaac      60
agcnggacnt gccncacgag nggantntgc nctttttttt gggccgncca nntcccacag      120
ncngangggg gggttaatnn ngaacgctgn agaatannta ttgatgagca ncngagaagn      180
aacatgnnca tggccaccag gcncgnccac tcacngcaaa agtgaccaag ccagcangtc      240
acccttaact ggcagaaacc aanatcaggg nggnagnccg gacttnaaat gcnnagaaac      300
ctgtnagtga tgggaaggna agaaaaattc agnatggana anaanaatcn gggcacncaa      360
acaaattcac tganaantcc anaagnctat tnanaaacia gatagcnatg agtncanatc      420
natecnantg gncntntaat nntacaacca anccttaacc ttccactcta aagggaagga      480
atactangaa tggattacnt ttccggggta nnataaancn ggggnantaa atgatnangg      540
gaaancccaa aanctaccen nnantcnang gantntggaa tnccttactc ttcatcaaga      600
ncatttccag nttctaaggg gacccttta cnaanttnaa aanggattcn annttggcmt      660
ctnaagnggg ntcgcccgcc ccnnaaaat natnataatg gaccnggggn tcaaangnan      720
ctnacnggaa aaangaaagc ccggnaaagg accaggcntt tccaaggaan gaagggaaaa      780
tncccnegaa ancccccgga ataaantca anggggttac acaaaaaagc catccccnccg      840
aattaanccc aaaaaattgg gcagcc                                          866

```

<210> 4280

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 4280

```

gaancactcn tnatcgnttg caggatccct cgattcgaat tcggcacgag gctgggactg      60

```

```

acagcctgca gggtttcctt gggcgcgggc ccaaaattgc cttcaaaaca aaccgaggac 120
ggttgaaagc cttcgaaccg tgcangggat gcctcgggcc ctggcccttc gcttcctctc 180
ttgtgttatg gaaataaaaa caaataaaac tacaaaaaaa aaaaaaaaaa aactcgagcc 240
tctagaacta tagtgagtcg tattacgtag atccagacat gataagatac attgatgagt 300
ttggacaaac cacaactaga atgcagtga aaaaatgctt tattgtgaa atttgtgatg 360
ctattgtttt atttgaacc attataagct gcaataaaca agttaacaac aacaattgca 420
ttcattttat gtttcagggt cagggggagg tgtgggagg tttttaattc gcggccgcgg 480
cgccaatgca ttgggcccgg taccagctt ttgttcctt tagtgagggt taattgcncg 540
cttggcgtaa tcatggcata gctgtttcct gtgtgaaatt gntatccgct cacaatttac 600
acaacatacg agcccgagg cataaagtgt aaaagcctgg ggtgccta atgaagtgagct 660
aactcacatt aattgcgttg cgcttaattg gccgcttttc caatcgggga aacctgtcna 720
ngccanctgn attaataaat cggncaaccg 750

```

<210> 4281

<211> 1094

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1094)

<223> n = A,T,C or G

<400> 4281

```

cctntnnncn antanantac anantntntt cacnncant ntaatantnt cctntctanc 60
tctcttanac tttacgcna catatncncn nncctnatct tctncanatt ttananatat 120
acctnannct ccatncanna ggtngtnacn nnggataaat ngggngntn gtaangagng 180
ctnatcnaac tactaggttg gaatnaattc ctncctntnt tctnactnag ntnaatcatc 240
gtacgaggaa aaaacaaagn antancttan gccttngaca aggatatnag cacctaattg 300
actnntaagc ttaacctggg gnaaancncc natanncgta aantganant annnaatgcc 360
acangtgnag ntntgcatcc cctgaaannc tnanaacaaa tgnntaanga ntatgntgt 420
cttaantatt ctttacttta nttagttcna ctgcanaccc ccacctggn aggggttatt 480
cggnagttaa ggtactttca taagtntaa acanaatgat atntgntatt acgntaacct 540
ttctcttgat gacaatgana aananaagcc agtttccaca gaagactana naannannng 600
ttnggggtgn tcctnctggg ngntatcnnt tnttgccana cttttccnnt cattttaaaa 660
nngtnnaaca ntnggatcn tttcatntn nctttcggt aannttttaa tcntcntnac 720
naattggaan canatatttn ncccaantnn ncttttaaaa atcttttagc caacancttc 780
ttctannnaa antngnaana accctntnnn atactaatga aannntgnct attatnctna 840
cnttgtttta aanaatcnta ttcttngnga naccnannnt attcnggttt cncctcttt 900
nncctnnnca nangcntcnt naantgnnca caatancggt ctaaanctgn gnatncacan 960
nttcacctta cccttacnta ntnantntnc ttganant aantaggntc ctcttagcct 1020
caaatnaaaa taactttnnn aacntntata nctntgcaaa cntntttnc annctnaat 1080
atccaatttn cncg 1094

```

<210> 4282

<211> 1247

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1247)

<223> n = A,T,C or G

<400> 4282

```

nnggatnnncn cgcgtcncg cnatgtgcna nnaacacnan tgtgtgntgg ngcncntgtn 60

```

ttttacngnt	gatnacnnag	atnttnttnc	tcccnggnga	cgattgnaat	cctanacaga	120
ctacttggtg	ctntttgcag	gtacccatcg	attcgaatnc	ggcacggagg	cnancanann	180
tngggacnng	gnttaantgg	cgncgnnnnt	nnnnacnana	gggnacgnan	annnttcnta	240
acaccttnnn	angttaatnn	actntgcagc	ntannnnct	ccntaanngn	nngtancngn	300
nntnaggntn	nnngcagtna	cnaantangc	tacagnnnac	gntnaaatnn	ttngnnnnnn	360
naaaantgan	ggagncaaat	agtgntngnt	gnanncgtn	aanatnnggn	cagatnggtc	420
atnnggnnnn	tnnttnatnt	ggnaacntan	ttngnnantn	ntgngtnnag	catnngnnag	480
natnntnata	tntntaactg	ntntgaccaa	atncatnaac	nnaattactg	nanganaanc	540
ngccnntntt	ntnnntatng	ntancnagan	ngtgagggcg	nngnagtgan	gatgtgtaga	600
annagntnng	aagtnatgcn	acacgtttat	atgtnnicntn	tatcagngga	ananngatnt	660
ntannngttg	acngnnntnn	ngctaaagan	aanaggnnna	gcgaganngn	agnnttctgt	720
acagantccc	ncnaantgtn	ngnccgncga	anaatcnata	taattcnnta	tggttatcnn	780
tgtaggggcy	ttcnacacga	tnaattatac	tnacgattcg	tangttncctt	acncaatanc	840
gcncgctggn	anannnnntcn	anntcgcgaa	actatagtan	cnncgnnnagg	gnaaagatnc	900
annngtacy	caattaaana	cnangcantn	nntgnnggan	atgtacgtaa	ccatantggn	960
tacntactan	nntacatgng	ntntatnttn	tgncgatgat	atcgtnant	atatagtncg	1020
antgatntat	natnctctac	tnatagantt	gtatntnnac	anaagatnaa	tatctacatn	1080
tantancana	gatangctgc	aaatnactgg	ngnacacntc	atanataana	ccnncaanan	1140
tgcgannnat	catnatagag	tgactntatt	atannaaaaa	taaccantnc	gtganatnga	1200
nnntnaatnt	acgtggttng	atgatcgcta	cgtanaaccn	cngnnncn		1247

<210> 4283

<211> 847

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (847)

<223> n = A,T,C or G

<400> 4283

cctgctgtng	gganatanana	ncgtgctcnn	tttgtacttc	cccgnatgmn	ccatcnacnc	60
gacgagccta	acgcttgctca	actngngggga	tcnganttng	agantgactt	tgtgncatnc	120
ntgantanan	ctgtangttt	gtgaaancca	nactacnnng	cctcngnctc	atcacctctt	180
acacattccn	nanantnnnc	cagtctnnan	aangagnent	ngatnannaa	naagagnctn	240
tgnannaaca	ggntnnnnaa	gcnnngnnnn	actnanagcn	tgngaantga	ncgnnnnctt	300
ggtctgngtc	cggtaagaag	acancantng	cncannagcn	ggnnanncgn	caggccantn	360
aangnagcnt	gcgntnannt	tnnatgaagt	tgagnatggt	naacnnaatn	tcnaacngnn	420
ctntgtncnt	gnnngnnaca	cntgcctgan	aancntanan	ancnnngnant	agantncnnn	480
aacncngatc	ttatanncac	tttggaanaa	gcactnatcn	cctnacnggg	catcctnttt	540
gagancagga	canctgttgn	ngggacgccc	catgacacng	gcccagaana	ctccgggttn	600
tttgnntttc	agcnnnaaan	ggcgaagtga	tttctntttn	cntncngngn	acncatnggc	660
tcatgncccc	cctnaaannt	nnttanngnn	cntcgntana	caccctnnat	ngcnaanggc	720
ccaangntnc	nanttcgcna	ccntttacca	tnaaggatat	taccnnaacc	gtgccctttn	780
gantngccag	ncnattgggn	ntttnttgn	accatttngg	naaaggggca	aantntttan	840
ncgtcnc						847

<210> 4284

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 4284

```

gncnttttgan ttcataataca agctacttgt tcttttttgca ggatcccatc gattcgctgc      60
agcgtcttggg gtttncnttg cagncctcgg aaccagnacc tcngcgtggc ctacagagtt      120
atggcgacaa naggccgtgt gcggtgctgaa tggcgacggc ccagtgcagg gcatgatcna      180
tttncagcng aaagananta atggaccagn naacgtgtgg ggangcattn aaggactgac      240
tgaangcctg catggattcc atgttcatga ntttngagat aatacatgag gctgtaccan      300
tgcaggncct cactttantc ctctatccan aaaacanngt gggccaangg atgaanagag      360
gcntgtttgga nacttggnc aatgtgactgc tgacaaaaga tgggtgtggnc nnatgtgtct      420
attgaagatt ctgtgatctn actctnagna gaccatttgc ntcattggcc cgtacactgt      480
tgggtccatga naaaagcaca tgacttgggc aaaggtggaa atgaagaang tacatngaca      540
ggaaacgctg naatgatttg gcttgtntgt taattggmat ccccaataaa acatcccttg      600
gatgaagctt gagggccttt aattcatttt ttnantcng nnaccttgtt aantggnaen      660
tggaacactt aaccctttnn tttnttaaaa ggagaaannn tnttntnttt nanangagtt      720
ttttaanccc cttgggtcgan aaaanttnnt ttttnatttn t              761

```

<210> 4285

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (805)

<223> n = A,T,C or G

<400> 4285

```

tnnctaatan nanaatnctn cttnttgnct tntttgcagg atcccatcga ttcgannntnc      60
ngangaggag annctgtcgg ncatgtggtg gaancnggnt nccgacntgn catngncttg      120
tgcntgttga actacaggca ctgncnnttt ggaacaactc anggcattca tgcaaggctc      180
atnctgttgg nannaanngg gactaacatt attggtgcgg ctncnaaagc atggtntcnt      240
natggatgna ttctgtccct gtgncnntga tannntatna annnactgaa gatnnnctn      300
aagttaaatn taaagagnat ggcntatnaa cngatcaggt angganntac nntggcaacn      360
cgagacactg tnngtncnaag agcgcnnctg ggcntgctca ataactngng ccacaggcna      420
cacnataatn tactctatan atgcnctcaa tacnccggtg acnntnnnna ggacngntca      480
ttattangen ctcttgact gnaccgnact tgtctctgna cagngatnnn ccncgtncct      540
tanaaagnag ttcctacnaa acntgntang cattatanan gtatgcctgc attngaactg      600
nagctctntg agactntcaa taacgtggtg canttgmnat tncaagccac ntatttgagn      660
gataacnntg gcgantgatc atncttactn ggcccttaat gttcncannt tgcantnagc      720
tngcncntca ngaaaacctn gttttcccggt ttggganata aaaacnggga ncctggaatg      780
caatggnaaa aancngntta gaann              805

```

<210> 4286

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (805)

<223> n = A,T,C or G

<400> 4286

```

tnnctaatan nanaatnctn cttnttgnct tntttgcagg atcccatcga ttcgannntnc      60
ngangaggag annctgtcgg ncatgtggtg gaancnggnt nccgacntgn catngncttg      120

```

tgccntgtna	actacaggca	ctgncnnttt	ggaacaactc	anggcattca	tgcaaggctc	180
atnccctgtgg	nannaanngg	gactaacatt	attgggtcgg	ctnccnaagc	atggtnctnt	240
natggatgna	ttctgtccct	gtgncnntga	tannntatna	annnactgaa	gatnnncnatn	300
aagttaaatn	taaagagnat	ggcntatnaa	cngatcaggt	angganntac	nntggcaacn	360
cgagacactg	tnngtncaag	agcgcnntgn	ggcntgtca	ataactngng	ccacaggcna	420
cacnataatn	tactctatan	atgcnctcaa	tacnccggtn	acnntnnnna	ggacngntca	480
ttattangcn	ctcctggact	gnaccgnact	tgtctctgna	cagngatnnn	ccnctgtncct	540
tanaaaagnag	ttcctacnaa	acntgntang	cattatanan	gtatgcctgc	attngaactg	600
nacgtctntg	agactntcaa	taacgtggtn	canttgnnat	tncaagccac	ntatttgagn	660
gataacnntg	gcgantgatc	atncttactn	ggcccttaat	gttcncannt	tgcantnagc	720
tngccntcca	ngaaaacctn	gttttcccgg	ttggganata	aaaacnggga	ncctggaatg	780
caatggnaaa	aanccgntta	gaann				805

<210> 4287

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (746)

<223> n = A,T,C or G

<400> 4287

gnccnttttg	aattcanata	caagctactt	gttctttttg	caggatccca	tcgattegct	60
gcagegtctg	gggtttccgt	tgcagtccct	ggaaccagga	cctcggcgtg	gcctatcgag	120
ttatggcgac	naaggccgtg	tgcgtgctga	agggcgacgg	cccagtgcac	ggcatcatca	180
atttcgagca	naaggaaagt	aatggaccag	tgaagggtgtg	gggaagcatt	aaaggactga	240
ctgaaggcct	gcatggattc	catgttcatg	agtttgagga	taatacagca	ggctgtacca	300
gtgcangtcc	tcactttaat	cctctatcca	gaaaacacgg	tgggccaaag	gatgaagaga	360
ggcatgttgg	agacttgggc	aatgtgactg	ctgacaaaga	tgggtgtggc	gatgtgtcta	420
ttgaagattc	tgtgatctca	ctctcaggag	accattgcat	cattggccgc	acactgggtg	480
tccatgaaaa	agcanatnac	ttgtgcanag	gtggaaatga	agaaagttca	aagacaggan	540
acgctggaag	tcgnttggct	ngagggtgta	ttgggatcgn	ccaatnaaca	ttcccttgga	600
tgtagtctga	gccccttact	catctggtat	cctgctagct	gcagaaatgt	atcctgataa	660
cnttaacact	gcatcttaaa	agtgtaatg	agtgactttt	canagtgtct	taaagtacct	720
gtagagagaa	ctgattatga	tcactt				746

<210> 4288

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (762)

<223> n = A,T,C or G

<400> 4288

nnatatnang	gnnnctnntt	acttgctctn	tctgcaggat	cccatcgatt	cgagaccaac	60
ccgcctgcag	gaggctctga	acctcttcaa	gagcntctgg	aacaacagat	ggctgcgcac	120
catctctgtg	atcctgttcc	tcaacaagca	agatctgctc	gctgagaaag	tccttgctgg	180
gaaatcgaag	attgaggact	actttccaga	atttgctcgc	tacactactc	ctgaggatgc	240
tactcccag	cccgagagg	acccacgcgt	gacccgggcc	aagtacttca	ttcgagatga	300
gtttctgagg	atcagcactg	ccagtggaga	tgggcgtcac	tactgctacc	ctcatttcac	360
ctgcgctgtg	gacactgaga	acatccgccg	tgtgttcaac	gactgccgtg	acatcattca	420

gcgcacgtcac	cttcgtcagt	acgagctgct	ctaagaagg	aacccccaaa	tttaattaaa	480
gccttaagca	caattaatta	aaagtgaac	gtaattgtac	aagcagttaa	tcaccaccca	540
tagggcatga	ttaacaaagc	aacctttccc	ttccccgagt	gatttttgca	aacccccctt	600
tcccttcagc	ttgcttagtg	ttccaaattt	agaaagctta	aggcggccta	cagaaaaagg	660
aaaaaaggcc	acaaaagtnc	cttttacttt	cagtaaaaaa	aaattaaaca	gcagcagcaa	720
ccaattaaaa	tggaattnan	gaaccaatga	aataatnttg	ng		762

<210> 4289

<211> 1563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1563)

<223> n = A,T,C or G

<400> 4289

gngaannaaa	ggaacgaccg	gnaaaaaangn	naccgcggcg	nncacngacn	gnnaatacnn	60
ngcgacggnn	cgtgnaaaag	ngnggaggcg	naagtgggcn	naaataaana	aaacgcggcg	120
agagcancng	nngaactann	tngcagaaga	gatggtnnan	gcacggagng	gnccgttttt	180
gaaaaccncc	tcggtncaan	gccccncgga	naaatngtac	gcgtgngtaa	gaaagggcng	240
nnaccgtgna	aantcgtgcc	gnntggagcg	agcgnagaaa	anncaagtgc	naagacgacg	300
aantttttgt	gncncnagtg	ngaanannag	gtggcnnacg	ngggnggggg	ggggnntngna	360
gangngaate	gtnagnngn	gntaaaanac	ncgcgngnng	gacacaaaag	angganancn	420
natgnggna	gagaantnng	gtaancgnng	nnaggagaag	cgnnngnana	ggngnaggta	480
tngnangagc	gnancannng	atncgaggga	aaagcggngc	gagaaacatn	nntnacgaca	540
atggngcgag	aggaaacggn	gcngcggaan	nnnaaannaa	ntagagagan	acnngnagnt	600
ggnananaaa	ngngggngga	ggaanngggn	nnganggaga	tagagncacg	gggcggtgana	660
nacaaacaga	aagtgcagtg	nnatagangn	ncgnaacntg	nangangngg	catannnnng	720
gananagata	anntccnaga	tagagacgac	ggggcgcnta	nngnnnnnaga	ttgncggaca	780
ancgctgatg	cgtncnnang	ntgagagaaa	gcgangncan	ctcagggggg	ggaagggngg	840
tgtagnagagc	gnacncaa	ggagaaagaa	cgggtggaaga	caacgacgcg	gngnacacac	900
gntngagacg	tgggcaaaca	nagcncangn	tnantngagt	gngncgatgt	aagtgcantg	960
aaacatacna	nctcggngng	agggnataan	aanaggaatg	ngnggnangc	gaaganaagn	1020
ntntncgtaa	anaactagan	ggncgcanaa	nnngnggagg	cgaagacgat	gannnnangan	1080
aaagngggat	cnaacggann	nncgntatgc	attntggcnc	acngtaatat	atggannagc	1140
gaggacatng	gcmnnngaga	angccggaan	gacggaagat	agaatgnaan	attgngggga	1200
gngnnagnaa	tgaacgnnna	ngacngcgag	gtttgngagn	ggagnangaa	ggggaggggac	1260
gacgagggtn	gtagnggagn	nggacgagtg	ancgngagtg	gagatncaag	gacgaagana	1320
nacnnngngg	anncgtagnt	cgcgataacg	nnataangag	nnanagngga	nncanatacc	1380
gaanncnaga	nncacgtggn	ganntgcaaa	aaaagaancg	ggntngggcan	gacgatgcgg	1440
nnngagaagg	ganaaatnac	ncagggaann	tgggnngaac	nncaatangn	gtncnangcg	1500
gaaaaangng	ngataaggna	anganggata	gcnanccggg	gacnanngtn	ncnagngaag	1560
ccg						1563

<210> 4290

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

```

<400> 4290
gaagtngctc ttgttctttt tgcaggatcc ctcgattegc tnacgtgtcg ncggggcggt      60
cgcagacttc agggtnctct aacggagagg ccaggcnccg cgtggccnga caactnccg      120
nccgctcctt cagcaagtga ctgtctntnn cactncttac ctgctgaang atctngetca      180
gcngctggaa caatgctgct gtnacacant ctcnnctntg cnaactnagg atgctncttg      240
gtcaccaggc antggganct gtagaccnng cgcattgcact tncnncacat tcatgtctga      300
ctggcttanc tgnnatangt tcnagnagcc gggacttntc ttanagtcag nagccctcnc      360
aactacntca tacntctgca tctgannatt ttcacagagg nnttntcttn gaagnngact      420
tggcaagnct tacaagttga tnnatngnna ttgngaantn cntttcttca aatgctaaaa      480
ntcatgtcct cataaatgca antgatttta gancacaann tccccatgta cannttccat      540
tanttaaaact agaccaatgt gtacgggtca tttgngtat tgnngaacat cnnngttact      600
ggaaangact attaanattt cacagatggg cttnatcaan ttgctangaa ttgngtctnc      660
taagtgtagt taacttgtag aatccaactt aactncnagn nnaantttca aaactgatnc      720
tgtgaatgga tgggggancat cttactntt ng      752

```

<210> 4291

<211> 881

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(881)

<223> n = A,T,C or G

```

<400> 4291
annnnnnnnn nnnnnngggn nnnnnngggn nnnngggnnn gnnnnnnann nnggnnnnnn      60
nngggnnnnn nnnnnngggn nnggngncng atangnagac ccgttnatac aacgaccac      120
ggancggann cggcacgaga agcngcnagg gccagngnna aannnnanag gnnnagnngg      180
acncngnnan gaaaaganag gnnagggngg ggcgacaggn nganacagnc nnagaaaaag      240
caggannag caaagnangg gaaagcnagc gggcangcnc gcnaaccngg ggaacgnccc      300
cnnnaacacn nncnaaacnc gngagccncc nnaaacgaag gaggaggagg agcaaaccnn      360
nncnggggac gganncagna agagggccag cggccangga naancacaag nanganagcn      420
ggaacnggcn caaanacngc agcaaagnca gcanaganac gcaaaggnac aaaganngng      480
agccaggcan nagncnagac acagnaaggg aacagacaga naggcanncg aggcctggaa      540
ggagcgnaca anccgngngg nnnnaaagcn aaangnanna aacangagcc anncngaggg      600
angacagcca gnannaaaca naaaggccgc acgnacacag cagcgngnngc aagcgggagg      660
agccnaaaan aacanangna cggngggccc ggcnacagng gccacgncnn cgggggncnn      720
ggcncccaag gggagggccn aagggggngg gnnngaacnn cccgngggga cnaaagngg      780
ggncncncca gncggggggn aaccggggg ggaaccccca nccncggagn gnaaaaaggg      840
cccaaaangg cccagnagga aangngcng gggcaaaacn g      881

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<210> 4292

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(786)

<223> n = A,T,C or G

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<400> 4292
aangnnngng ggnntgnttt nntggntggg ntgttattcn tggcgtcttg gctacttgnt      60
nnatttgnat gnatncgggc gntnecgann gntgtntctg gtttnatctt ntaaatngct      120
tgtccttatt atgttggtgn ttaacanctt aaacgtanc tctagaccag gaataattat      180

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ttgctatata	ttacagcaaa	aaatatgtat	gtntaaatgg	actcattcaa	gaatatataa	240
gngaactcct	attacaaaga	aattgncaaa	cagcccagta	tatnaatgaa	tataaaaatt	300
tgagaagata	ttttncatng	naagatntcn	aantgaacat	tnggcagtnn	aaaaccaaatt	360
tttaggatat	nactacacac	tctggncatg	tttaaaagac	tganaatatt	aagtgtgtgg	420
naatgtnnan	caantggaaa	tggcctgcac	ntngcatnga	aatgtaaaac	antacatata	480
ctntgcaaaa	ctctgtccaa	cattntctac	ccattnacca	agcaactnca	tcncctagct	540
atanataccc	agggaaaata	agtanggtat	cttcacagaa	atnattgtat	gaagaaatat	600
tcatagttac	ttattgcacn	tgtcagttat	cangtnaanc	tgtctcncat	cnggaaaaat	660
gggatatcaa	aattgggtgtg	gataatnaat	acaancaatt	agggatatta	cttggngcna	720
aacaaaaaat	gaanacangg	ggaaaaatnca	cattcaaacc	aaantangtg	gcataattata	780
cccacg						786

<210> 4293

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (866)

<223> n = A,T,C or G

<400> 4293

angcnagagc	ccacggaatt	tncatgcctt	tatcgagnen	gcnccccgcg	ggannnaaac	60
agcnggacnt	gccncacgag	nggantntgc	nctttttttt	gggccgncca	nntcccacag	120
ncngangggg	ggttaatnnc	ngaacgctgn	agaatannta	ttgatgagca	ncngagaagn	180
aacatgnnca	tggccaccag	gcncgnccac	tcacngcaaa	agtgaccaag	ccagcangtc	240
acccttaact	ggcagaaacc	aanatcaggg	nggnagnccg	gacttnaaat	gcnnagaaac	300
ctgtnagtga	tggaaaggna	agaaaaattc	agnatggana	anaanaatcn	gggcacncaa	360
acaaattcac	tganaantcc	anaagnctat	tnanaaacia	gatagcnatg	agtncanatc	420
natecnantg	gncntntaat	nntacaacca	anccttaacc	ttccactcta	aagggaagga	480
atactangaa	tggattacnt	ttccggggta	nnataaancn	ggggnantaa	atgatnangg	540
gaaancccaa	aanctaccen	nnantcnang	gantntggaa	tnccttactc	ttcatcaaga	600
ncattttccag	nttctaaggg	gaccccttta	cnaanttnaa	aanggattcn	annttggcnt	660
ctnaagnggg	ntcgcccggc	ccnnaaaaat	natnataatg	gaccnggggn	tcaaangnan	720
ctnacnggaa	aaangaaagc	ccggnaaagg	accaggcntt	tccaaggaan	gaagggaana	780
tncccncgaa	ancccccgga	ataaantcca	anggggttac	acaaaaaagc	catccccncg	840
aattaanccc	aaaaaattgg	gcagcc				866

<210> 4294

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 4294

ggnnnnnnnn	cnggnttnnn	nnnttgettc	tnagccttng	catttgactc	ctgcaggatc	60
ccatcgattc	gaattcggca	cgagcttttag	ttcagataaa	ggaaacatcc	aaaaatactg	120
agatgagtaa	aattttattc	aaagtaggtt	cctgctttgt	cttgatctca	atccattcta	180
actcctgatg	tcatttaccg	tgtgagatct	tagtacaatc	atgaaaagaa	tatgagcatt	240
tatcaaaaact	ctctgacatc	tgtatgttta	gaaatgaact	tacacagcaa	aatatgattt	300
ccttgcaatt	atttaatttt	tctaacttca	atttctacct	atgtgtctct	gccagtttga	360

cctgattcag	acaccagaa	cttgaataaa	gaagccctct	tctattttca	ttcttaatga	420
atataccttt	tcccatgtcc	acattgagcc	tccttctgt	gtactctgct	aatgcagcca	480
catgtctagt	tccccctctc	tgaccacccc	tcacttcttc	tttcccatct	tcttacttct	540
ttggtgtgac	ctctctgtag	gacaacatgc	catttctgat	tccccacaca	cataccctat	600
cattgatacc	taccctcang	gattagaatc	tggctagtaa	tttggagag	cccatcaagg	660
ctttagtaaa	gtattggact	ggnaagtcaa	caccatttat	ctcatcaaaa	gggatgctgt	720
gttgggggca	nanggagaga	gagagagaga	gaccganaga	gagacagacn	gagagagaga	780
aaggaat						787

<210> 4295

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(795)

<223> n = A,T,C or G

<400> 4295

ggnttnnnnt	nntgccttan	aagccttgcn	tangatgcn	ttnggatccc	atcgattcga	60
attcggcacg	aggaacccat	gagaaccgaa	gctagaattg	ctattgaatt	actttatttt	120
ctcttccctt	attgggtaga	gatacatcat	tactggcctc	aggggtttac	ccaaagaaag	180
ggtatttttg	agcaaataat	gtgatttcc	ggctattttg	ttgggggctt	aagatttttt	240
tttttcaaat	gcatttttag	tcactaaaaa	ttaactgtcg	taccatctag	aactatactg	300
tccagtacca	tagcctctag	ccgtatgtan	gctattttgta	ttaagattaa	ttgaaatttt	360
aatccagtt	cctcagtcac	actagccact	ttctaagtgc	tcagtagctc	tgtgtgacca	420
gcggctactg	tattggatat	tatagaaggt	tctttcattc	aagatcatca	ttcttgacag	480
acccataaat	atttccctata	aagactgtag	aagtgtgttc	tggagggttt	gctctccaaa	540
aagaattgta	atatagagta	gaattgggat	agagtattga	anacactggg	tttagacatt	600
ggatatttta	aatgattgng	gtgttcaatt	catgtgctgc	ccaactggag	ttatctagtg	660
gatattgacc	ctcactggct	tgaccaaag	cccgggaatag	aaaggcaggg	aattcctgaa	720
attctaattct	taaaaatttg	gcaatggaaa	aagccctttt	nccctaaaaa	tantcccatt	780
nttgtaaatt	ccttg					795

<210> 4296

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(740)

<223> n = A,T,C or G

<400> 4296

taagttgctc	tgttcttttt	gcaggatccc	tcgattcgaa	ttcggcacga	gactggagtt	60
aaggaggtag	atgacttctt	tgagcaagag	aagaacttcc	ttattaacta	ttacaatagg	120
atcaaagatt	cttgtgtgaa	agctgacaaa	atgaccagat	ctcataaaaa	tggtgccgat	180
gactatatcc	acaccgcagc	ctgcttacat	agcctggctt	tagaagagcc	cacagtcac	240
aaaaagtacc	tattgaaggt	tgctgagcta	tttgaaaaac	taaggaaagt	agaggggtcga	300
gtttcatcag	atgaagattt	gaagctaaca	gagctcctcc	gatactacat	gctcaacatt	360
gaagctgcta	aggatctctt	atacagacgc	accaaagccc	tcattgacta	tgagaactca	420
aacaaagctc	tggataaggc	ccggttaaag	agcanagacg	tcaagttggc	tgangcacac	480
cagcangagt	gctgccagaa	atgtgaacaa	ctttccgaat	ctgcaaanga	agaactgatn	540
aatttcaaac	ggaaganagt	ggcagcattt	anaagaatc	taattgaaat	gtctgaactg	600

gaaataaaac atgccangaa caatgtctcc cttttgcaga ctgtattgac ttgttcaaga	660
atactgatat gccttcctca gaagaaaaga aatgaatgtg aaagaaagcc agcctcactg	720
ccttaaatca ttacccgaa	740

<210> 4297

<211> 1191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1191)

<223> n = A,T,C or G

<400> 4297

cccgcataataaananacc cngngnacna annacacacc cannaanana taatanngcn	60
ataagnnnac angggggaac aggggantana gngcgaatga ngacnncaat tnacaggnat	120
ttaattccaa nncnntnana ctacngnccc nnanacnna cgagnatnca ncccaagnag	180
nancngacan tcagangagc gtnntacaan nacngcaann acnngaccag ncngganega	240
taangggggn caaangcanna nttccangga tcangcatag tacnaccnct gaatnggtac	300
cattncnact ttacncnnga cnaacaagta tcctgtntgg cctnaaaatn caagttgaaa	360
atnaantcng aantctncca gancaaanana gacatncann ccnatnnntt anantacnaa	420
ntatcnaatg ntanaaatcc atggnaaga cataaaaact nncagctata naaananctn	480
ntaaanggct attnggatnt aaaaaccana tnatnnnacc ntncaacnac ctannmntna	540
agaaancann tnnncaanaa ntacnancca atnnncagan ggacgnaaaa tgnnnacant	600
cangaaattg aaaccngana agncccnatn naangnntta aaaacntcag cggcaaattcc	660
cncatnccac naanggnntn ncggaang gnnntaact ggntaacncc natantntaa	720
aacgggaacc atcgccaatg cgtncgctan ccaacanann taaancgatc nacannacca	780
cagnnncnta ttnaagaatc tnganannca cacttacnna ttcaaatagg ngncntnnnn	840
tgnatatnta ncnnatnngc cacatctnat ntatcacnc annctcann ntcnnacanc	900
atggagagca tntcngana caancngtg annancacat cncancann cgaacncca	960
natatntacn tgggtantca ncgcgnaact gcgcgcgcgn agnatnagat cacattatnt	1020
gatactacag ctaaannagac acacattaca nngtntntac anaaatactn tacnntcna	1080
acnncntaca cacaaaaatt acctcanagg gaganannta catatctnaa aacnccccn	1140
anantnancn naaaagactc cntacgcgna nanagtgcgc tctcgnaann g	1191

<210> 4298

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 4298

ntnecgtttnn ntanaacntt gntctttnan tctgcaggat ccctcgattc gctaacaagc	60
gattctaaac cacctatgag tatttctttt agggctcact taaatacatg tttgtatata	120
ctgtattcta gccagaataa ttttagatct gatcaggtag tagctaaaat tagaaaaaa	180
caaaatagat gcttaaagaa tttgcatcca ttttgagtc taaatctttt aaaatatact	240
gagatccaca tctagtgaag tgtcagtgtc aaaatattat agattatagc taaaatccag	300
attaatactc atttgggtt ttttatagtg gaacttcata gtaatacaaa aagcagattg	360
tcttctgtc tccgtgtgtc ccacagtagg tattgaaact ggtaaaatca gttttttgat	420
agtgtgtgta tataagaaaa aatagatata cacattcttt tttctcagtc aacacattga	480
ttgaacactc tggcaaagat gctgtggtgg atgaggttgg agttcgaaag aagaagcaag	540

cgctggcctg	ccttgaaaga	accgaagtct	ttcccattca	cttctctaga	aagctgccaa	600
ggacagaggc	agaaagaatg	gatgaaantt	ctgtcaagca	cacttctggt	ctcttaaaac	660
ttagaagtgg	ttctaanaga	acagaagtat	tagagaaaca	gttcctgtgg	aatcacatct	720
ttgggtggna	cccattgctt	tttttctggt	tga			753

<210> 4299

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 4299

ntnecgtttnn	ntanaacntt	gntcttttnan	tctgcaggat	ccctcgattc	gctaacaagc	60
gattctaaac	cacctatgag	tatttctttt	agggctcact	taaatacatg	tttgtatata	120
ctgtattcta	gccagaataa	tttttagatct	gatcaggtag	tagctaaaat	tagaaaaaaa	180
caaaatagat	gcttaaagaa	tttgcaccca	tttttgagtc	taaattcttt	aaaatatact	240
gagatccaca	tctagtgaag	tgctcagtg	aaaatattat	agattatagc	taaaatccag	300
attaatactc	atttgggggt	ttttatagtg	gaacttcata	gtaatacaaa	aagcagattg	360
tcttcctgtc	tccgctgtc	ccacagtagg	tattgaaact	ggtaaaatca	gttttttgat	420
agtgtgtgta	tataagaaaa	aatagatata	cacattcttt	tttctcagtc	aacacattga	480
ttgaacactc	tggcaaaagat	gctgtggtgg	atgaggttgg	agttcgaaaag	aagaagcaag	540
cgctggcctg	ccttgaaaga	accgaagtct	ttcccattca	cttctctaga	aagctgccaa	600
ggacagaggc	agaaagaatg	gatgaaantt	ctgtcaagca	cacttctggt	ctcttaaaac	660
ttagaagtgg	ttctaanaga	acagaagtat	tagagaaaca	gttcctgtgg	aatcacatct	720
ttgggtggna	cccattgctt	tttttctggt	tga			753

<210> 4300

<211> 850

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (850)

<223> n = A,T,C or G

<400> 4300

gctnntgacc	annntanngn	tnggaatcnc	antcgetnna	tngcncntng	attcgaattc	60
ggcacntgnn	gtctnnctgn	tctgtgttgg	caagggttag	ttnccaagtg	agcaagatng	120
ttccctncta	acaggctccg	acgggtgaac	agtntgngtg	ntatccatac	ncaggcacat	180
gccatcggct	tacagcangg	tcctcaactg	gtgcctgctg	gccctggggg	angaggcaaa	240
gctgtggctc	ccagcaaagc	agancaaaaa	gagttcgccc	atggatcgaa	cantgacnag	300
tatcngcnac	gccgagagag	gaacatcatg	gctgngaaaa	agagccggtt	gaaaagcaag	360
cangaaagct	caagacacac	tgcaagagtc	aatcagctca	naagaagata	atgaacggtt	420
ggaagcaaaa	atcaaattgc	ntgaccaagg	aattaaatgt	nctcaaanga	tttgnttctt	480
gagcatgcac	acaactcttg	agacaacgtn	cagtccatta	ncacttgaaa	aatttcgaca	540
agcagatggg	ngncaatggc	acggaccant	tgacccttaa	ccccttttcc	aagactttta	600
naagcttgna	ggcctttggaa	tggctaaaaa	ggtggtggac	cccccggnaa	cctcnntcat	660
tgtcancngg	gcntnaaaaa	ntttggccca	ttnttcccnt	tgaacttcan	nagnacccca	720
tttggttaggc	ctatttttcc	tgggggannn	aatccctnc	aataanttnt	nnnttnnncn	780
ttaaaanngn	ttnnccnttn	ngnatccgn	attatccngg	gnttttaaaa	nggatnanan	840
ggntttttct						850

<210> 4301
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(790)
 <223> n = A,T,C or G

<400> 4301
 cnatcatctt tgnttctata ctacagcttg ntgtanagna ngtcggggtt accgncncc 60
 anngtaccct atanngantn gtantacaaa gagactnann gcnnttnaan ggccgcgtta 120
 ctacananna cnnantngtn acnncnctngn atcaccnanc ttaatctcct tgtancacat 180
 nccnctcttt gccagctngc ntgatngcga agaggncctt accnatcgcn cttncaaaca 240
 gatngggcaa actgaatggc aaatggacnc gccctgaacc cncgcatnaa gcgctgttgc 300
 tgtgcagggt acccgncag tnaccanta cactnccan cgccctagcn ccttttcctt 360
 cctttctttt tcnttacgta cncnntatnt gcgnnggatn ntntnnantaa gctntnaatt 420
 tttaggtcttc natakngtnc ntaantagng ctttaccgca cntngatcnn tnaaaantng 480
 nntanggttna nggggtcanat accgtgccat acccttgtag accnttnntt nccnttgaac 540
 gtngaagtan atcggttcntt aataatncac tcttggancc aaactggaac cananctcga 600
 cccaatctnc nggntatntn ttnggattta taaagngatt antgcccttt gtnnnaacta 660
 ttggggcttg anantngncc aanattttaa cgatgaaatt ttaaaccgcy aaattttaac 720
 ncaaaaaatt ttaccgcttt ancaatgtta tttggaatgc ctntaaaccc cctttntann 780
 tcnctcccc 790

<210> 4302
 <211> 775
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(775)
 <223> n = A,T,C or G

<400> 4302
 catatatctt tgattccntt naacccttnc naactacttg ttctttttgc aggatcccat 60
 cgattcgaat tcggcacgag ccaacgatct gtatcaacca cgtcttcatt ttctttttcc 120
 tgtttgntt actctcccc caaaaagagt cagtttcctg ttttctcaat ttctcagttt 180
 aaaattagag ccctatggca ggtgccatgt acagctgcaa aggtggcaag aagccctgag 240
 aaagctcaag aacaggtcaa gggggtgggt aaggaagatg ggacgttcaa gcagaaacaa 300
 aaagaggagc taaaagtga agccaccccg ccaccagccc tcaccagtca caggtggaat 360
 taaagaaatc tggcaaaaaa taaattttgt tatccgtgct tggggcggtg acccttgacc 420
 ccattcctat ttaaacatct ggattctctg ccataacatc ttttgccacc tatagctaca 480
 ataaagtgtc gtcttggagt ctgttggtaca tttaacaata aactttttgt naggaaagta 540
 aaaaanantc tacagttcaa tgcaggatan ggatgggtgg gccttaattc aggagggtggg 600
 aggctcaaaa tcaattactc tgtttganga gatggaatct nctggaatct caaaaangga 660
 tttnttttta ngaatcatca agactcatcc cgacttcgtc aagtcttttc tcttggtggg 720
 agttatgggt ttggnntttt attttngttt tgggtttttt ttttgggggg ggnaa 775

<210> 4303
 <211> 940
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (940)
 <223> n = A,T,C or G

<400> 4303

gtttcatata	agctaactng	gtttttttta	aaagccccgt	ttccccaatc	ggnatTTgng	60
gtgcnactgc	ggggaggagg	ancccntacc	ngangnacc	naattgcggg	ccacgggagg	120
gcgtanacac	ttttnacngn	gtanatggcc	ggagnnggng	nttttancca	nattttantt	180
nntgggcnc	ccngtgcctc	tggtcagnc	tttaagtgg	tnaanangca	cgngcctanc	240
ccctaantta	aaatncccc	gmanaanact	nttgcgcnat	naacatcact	gannggtgtt	300
tctnatagta	tgntntacac	ctatnacant	ttccctcaat	antnattacc	tgtagngcaa	360
gtggncanac	ttnanngcag	agtnaactnc	angnggtttc	tnaatngggn	natntcggac	420
ngtctngtan	anttgacaac	gnaaatatat	gacgncnatn	ggaaaatnat	tgtngntatg	480
caaggcnttg	cggngtccan	cntantnctn	atggtgaaaa	tncganttat	aactnntatg	540
angctgcttg	ttnnatTTga	naancntttc	ctaanntctt	tganncgcn	attaaanann	600
tngttntga	natnganagc	ntaacacccg	ctacaanac	tagnttgna	tnaatgntga	660
aaactccgaa	cctctgngaa	attcatgttt	nattttgatg	aacngggcct	ccaatntnt	720
attcgntttt	ntannnggac	gnnacctgtt	gatanngctt	ttttcttttn	cntntnann	780
aanaatnaac	ctanntaact	caaangcnct	anttgatctc	antaaaann	ngantgnaan	840
tncncattga	ntttnaaagc	gggntttant	ttaaaanaac	ntcccttttg	ggncgtgtgg	900
tngttgncna	cncnanangg	tgnaaaattt	tttttttncg			940

<210> 4304
 <211> 881
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (881)
 <223> n = A,T,C or G

<400> 4304

annnnnnnn	nnnnnnngnn	nnnnnnnggn	nnnnngnnnn	gnnnnnnnann	nnggnnnnnn	60
nngggnnnn	nnnnnnnggn	nnggngncng	atangnagac	ccgttnatac	aacgaccac	120
ggancggann	cggcacgaga	agcngcnagg	gccaggngnn	aannnnanag	gnnnagnngg	180
acncngnnan	gaaaaganag	gnnaggggng	ggcgacaggn	nganacagnc	nnagaaaaag	240
caggannag	caaagnangg	gaaagcnagc	gggcangcnc	gcnaaccngg	ggaacgnccc	300
cnnnaacacn	nncnaaacnc	gngagccncc	nnnaacgaag	gaggaggagg	agcaaaccnn	360
nnccngggac	gganncagna	agagggccag	cgcccangga	naancacaag	nanganagcn	420
ggaacnggcn	caaanacngc	agcaaagnca	gcanaganac	gcaaaggnac	aaagannnn	480
agccaggcan	nagncnagac	acagnaaggg	aacagacaga	naggcanncg	aggccnggaa	540
ggagcgnaca	anccngngng	nnnnaaagcn	aaangnanna	aacangagcc	anncngaggg	600
angacagcca	gnannaaaca	naaaggccgc	acgnacacag	cagcgnngcn	aagcgggagg	660
agccnaaaan	aacanangna	cggngggccc	ggcnacagng	gccacgncnn	cgggggncnn	720
ggcncccaag	gggagggccn	aagggggngg	gnnngaacnn	cccnggggga	cnanaagngg	780
ggnccnccca	gnccgggggn	aaccggggng	ggaaacccca	nccncggagn	gnaaaaaggg	840
cccaaaanng	cccagnagga	aangnngcng	gggcaaaaacn	g		881

<210> 4305
 <211> 891
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (891)
 <223> n = A,T,C or G

<400> 4305

annatccttc	tgangttngt	ctngctcttt	ctgcaggatc	cctcgattcg	tnagtgtctg	60
nntgncaggn	ccctcaaaga	ttcctnggnc	ttttcccatg	tgnttgaaga	agaantcnat	120
ngncnntcat	tgaatcaaac	tggaaaacct	gctggcntgc	tgctgacgac	tctgnggcta	180
ncaaggtnct	anactcnnaa	aacatgangg	tngttnaganc	ctcnncgaga	catnccaata	240
tctgtccttc	agtggctttg	cngnctcaga	ggcctcanag	cctgctgtca	tgtggacctg	300
gatatgcagg	tgatgctgng	gactcttcaa	aaagcccnac	cactctgnga	ttacgaatnt	360
acangacaga	tganaacaga	acatgatgna	aagcccacca	tnaccnntan	agcncttaaa	420
ccctgnccta	gnncattcna	tcnanggggn	ttcntntngc	tatattggta	gttgcnnggc	480
ngacnatggt	aaanggacna	atnattcggg	tgatgggact	gnantgtgan	cnggnnctng	540
naattanggg	gccanncttc	tagggnggtc	ccnncnctg	cctntcnntc	canaaatgcn	600
tanacgctgc	ttntacctgg	gaagngnatg	gatgngnaaa	gaaacncnt	nnnttgnggn	660
ctttgccaca	cnncnngggn	aaacttttga	gncannaaaa	naccncnta	taaccanntt	720
tnccntccnc	taaaaacttg	ttacnncnaa	cntatnggca	ataggnaaaa	acccttttac	780
agggnaaccgn	aaaacctttg	gcaacnccan	aanntntgnc	gttnggggaa	aaaantacct	840
ttggcccngt	ttttttacag	nttngacnca	aaaantttaa	agggaaancc	c	891

<210> 4306
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (770)
 <223> n = A,T,C or G

<400> 4306

ntcnnncttt	aanccntat	ccttctcnaa	acctttggaa	cgcncnctnt	ctncaggaan	60
cctcgctnna	gatnctcacc	tcttnnnggt	ctngnntngt	ctgcctacat	tcccacagca	120
gacaagggtg	anaatccatn	gctgnaatct	tggtattgat	gagttncagt	gatggaacat	180
gtgcttgggc	acaggcaggt	ccagtcactg	caaaagtgac	caanccanca	ggtcaccctt	240
aacttcagaa	acaattattg	tggtggaact	gtacttaa	tgacagagaa	cctgtaagta	300
atggaaggtn	anaaaaaatt	acanaatgga	aatnatatt	ttgggcaagc	aaacanattc	360
actgagaatt	ccaaaagtat	attaaaaaag	aagatagcta	tgagttcaga	tctatcttat	420
tggtctttta	tattacaacc	aatccttaac	ttccactat	aaangaagga	ttactanatt	480
gattactttc	tggttagata	atctggtaat	aatgatag	gaaatcaaaa	attactttta	540
tttaggagtt	ngaattctta	ctctcatcag	acattttttt	tctangggac	ncttactaat	600
taaatgaatt	taaagttggt	ccttangng	tcnttngccc	ntantatatt	tatnactgng	660
ttaatganta	ntggaattnt	gccggaanga	cagnttcang	aagaggaant	cncgaancct	720
gataatctat	gggttagaaa	gcntccctgn	atataaaaa	ttgccanttt		770

<210> 4307
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (732)
 <223> n = A,T,C or G

<400> 4307

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ggnggggnttt ttnatatana cangctactt gttctttttt caggatccca tcgattcgaa    60
ttcggcacga gggccctcat ctccagctaa ctgtggagaa gcccctggg gctccctgat    120
taatggaggc ttagctttct ggatggcatc tagccagagg ctggagacag gtgtgcccct    180
ggtggtcaca ggctgtgcct tggtttctct agccaccttt actctgctct atgccaggct    240
gtgctagcaa cacccaaagg tggcctgcgg ggagccatca cctaggactg actcggcagt    300
gtgcagtggg gcatgcactg tctcagccaa ccgctccac taccggcag ggtacacatt    360
cgcaccccta cttnacagag gaagaaacct ggaaccagag ggggcgtgcc tgccaagctc    420
acacagcang aactgagcca gaaacgcaga ttgggctggc tctgaagcca agcctcttct    480
tacttcaccc ggctgggctc ctcatTTTTA cgggtaacag tgaagcttgg gaaggggaac    540
acagaccang aaagctcggg gagtgatggc aagaacgatg cctgcaggca ttggaacttt    600
ttcgttatc acccaggcct gattcactgg cctggccgga anatcttcta aggcattggc    660
gggggaaaag ggccaacaaa ctgtccttct ttgagcacca anccnnaccc aancaagcag    720
acnttttttt tt                                     732

```

<210> 4308

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (719)

<223> n = A,T,C or G

<400> 4308

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gnnccagctc ttgttctttt tgcaggatcc ctcgattcgc tgtattcaaa cttatgagag    60
tataaaggat ctggagggtt gggatatgac tgacaaggaa aggctgtggc cacctgatga    120
ccctttccct ttttattaaa ccggacacac ctgtttccca ttctgctgta gtttagtttt    180
tggtttgggt tgggttggaac tgctttgaga atcctgggat ttgtgctgct gctgttatc    240
aaagatcaaaa ggagtataaac atagtgtgct ctaacttttt tccagcagca gcaagtggta    300
ataaacatga aaactgggtt gtagcagttt tgaaagaata gaatgcattc aaatgtaagg    360
ctgcttcttg atcattaaag ccagtttcat caaacagttc aacagagagc agcacttaat    420
accctttata cagcccattt ttcatagtt tcatttggtt ttgcccacaa gcttgaaatc    480
cagggttaagg tatccagcct ttatcatata agcattgaca ttatccaggc ctagttagta    540
gcagtagggg aacgggattg aaaaagattt gatggagagg aaagtatcta atattagtca    600
tgggtttgac cttaaattgct agacagtcgt gccattcaca aagtcagaaa atncagcagg    660
aagagacgct tttananggg cagagaatta gaggatgggt gtagtaatga aaatgatgc    719

```

<210> 4309

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 4309

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gggttnannt tcnaannngct gggctangcg ctttctgcag gancccatcg atncgttcgg    60
caggagggtg cagagagcag ttgaaatggg tttttagttc ctatggaaaa gttgaagggt    120
tttgggtctaa ggaccagnca cagtggaga atgcatctga gaatgatgag cgcttatcta    180
acccccagat tgagtggcag aatagcacia ttgacagtga ggatggggaa cagtttgaca    240
acatgactga tggagttagct gagcccatgc atggcagctt agccggagtt aaactgagca    300
gccaacaggc ctaagtgccg ggtnccttgg cgttggtgac atgctgcagc ctggaactct    360

```

gatatccagt	gtgactgcaa	agctgtcttc	tcactgggtac	tgccctgtga	gtactgggtg	420
gactgtgggg	catgtggccg	ctgcagatcc	agtggttatt	nctaagncta	tgacaggaca	480
ggctganctt	gcntcanaac	cttctctgac	agacacggga	actaaatgtg	aaaaaccaat	540
aanctggaga	ctcatgaatt	cacacgagga	aaagcagagg	nttattnatc	tgnccttttc	600
acattntttt	cctctngaa	angaanggtc	anaggctttg	naaaagtggg	aaaactaatc	660
acatgggaag	tgtaagggcc	ancatccaag	ctaccaantc	ctaaangngn	caaanacanac	720
ctttingggaa	aaaccnaatt	tttnnaagccc	gggntnnnnn			760

<210> 4310

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (809)

<223> n = A,T,C or G

<400> 4310

tttnaatngt	nncttcctt	tcctaatngc	ttggcgtttt	tttccattta	aaagtatttt	60
atthttttcc	agtcaaatga	ctagttaaca	agaaagagta	aacttattaa	acatgctcta	120
attataaatc	actgcattaa	ggacaatgaa	aataatcaat	ttcggttata	caatatatac	180
agttgtgctg	caaccaaagt	aatcaggtga	atgaactgaa	tatcatacat	ctcaaaatag	240
catcctaagc	tgcatattat	gttatccacc	ccttaacaga	tcacacagtt	actcttagtc	300
tgtgtacatg	ttctgagcca	tcaccccaga	tctgatggag	aatggcatgc	aaaatgccag	360
aatcctgcag	ctgcagttca	tgaaacataa	actttaaata	taaatagata	tctacaatgt	420
ttttctttct	cttagttgct	tttttaattt	gcaaggagca	aataactaag	aaaggatatt	480
agcagggctg	ttaatataat	tctcctctgg	taagagtact	attagttact	gcacaatagc	540
acccaaattg	gtagactgga	aaaatattcc	tanggtattt	atgtcccagt	ggaacctgac	600
cggattaagt	tttggggact	gggagttcta	aatggttgga	tattgaaatc	aacctttaat	660
tcccttaata	ntaagcctng	gcaacccaag	gtnggggtcca	aaaagggcnt	ggacctatta	720
aaaaaattcca	ggattgncca	gggaagggat	ttgggttaaa	aaaattggan	ccnttaaggt	780
ggccaccttg	gtggccaaaa	aattnccat				809

<210> 4311

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (865)

<223> n = A,T,C or G

<400> 4311

ggaaaanttt	tcctaanacc	tggaacaaga	ncagnaataaa	cgngnctngg	aaacttcctc	60
ttncncncag	cannncnaca	ttgggnctgg	gcacgaggtt	agagtaagta	anagatntng	120
ccnatttttg	cacttaaanc	caagaagag	agtcancaaa	tatttatacc	attctctcat	180
taagtgcac	tggttccata	aatttaaaga	cagcgggtca	cccatatcta	tggnnttgca	240
ttncatgggt	tcagttacca	cagtcagcct	ctgtctgaaa	atattacaat	ggaaaaattcc	300
agaaataaac	aattcataag	ntttaagttg	catgccgatc	tgagnagcct	gaatgaaaat	360
cttacancat	ccccctncaa	ncaggctagg	ncatgacatn	ancccttgt	ccagccataa	420
tccaacactg	gttatggcta	cccaccccan	taggnaacat	antagccaaa	cnngggtatt	480
caganccgan	cnggnctngg	gnaanccata	anatgnctcg	gagnnccaag	ggnaaccctn	540
aaannntacc	cttaaaatag	ngganccccc	aaaatggcca	nngaaatggg	ccaaaanngg	600
gaaanaaacc	gggccnnaan	ncnaacaaan	tannngntaaa	cgggnnccatn	aaagnccccc	660

tnnaccagn	gccccaaaaan	nactgnaant	aaaaatccca	ntnaaagggg	cnaataaat	720
tnnanggnaa	aaaaacnagg	gngggaccnn	agggncagg	gccccaaaag	ngggncnna	780
canaaacan	cngggangcn	ntaaaaanct	atnancccg	gggnaaaagg	ngngaanc	840
cggaaannnc	aaaanntncc	cttgg				865

<210> 4312

<211> 940

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(940)

<223> n = A,T,C or G

<400> 4312

ttcnccttcc	cncctectng	gaaacccttc	ctttccta	gttcctaatt	cctcnnnnnc	60
tencctcnc	tctttctctg	cgggtcnggg	nnnngtnncn	tnttgctttt	ttctcccgnt	120
ttttnncnctn	gcncctacnt	nnccngntga	gggnagccac	ctgcggagac	cgctgntnnc	180
nnncannccg	ctngntgntt	cntgnccggn	tggtcanct	ccanccgctg	ntccccctn	240
nngtgncgcc	nnnggntcng	tngatccenc	gatngcctt	anggetata	cgaatgnnca	300
tgccttcgc	accnnncat	tnannncggn	gcctctgctc	cctcctnacc	tnctgcngac	360
tgntgcacc	tcctgcctc	tntgcncccc	nnntgcgcn	ggctcccacc	ccnngntgnt	420
tgccgntgct	tnncntgtn	tcnnggaacg	gcnntgnnc	cttnncccc	gnntcncngc	480
tcctggcnc	ctnnccctt	gntgnttcn	ccccccctnc	tnnnntgnnn	ctnnccccc	540
tcnnncntcc	nnncctcnc	nnntccccc	nnncctccc	nnncctnnncn	ctcncnnntc	600
cnnccccccc	cncnccnncn	nncccttnc	tcnctnctc	tcnccncccc	tcnncnctnc	660
cctnccctcc	cncctcncnc	nnncnncnnc	nnnnnnncnc	ccccnccnnc	tcnncnncnc	720
ctcnnncnnc	nnccntnct	nnnnccnnt	nettnccnnc	ntnnntccnn	ccnccccnnc	780
ntnccnnncn	nnctnnnnc	ctcncnctc	tnntcnnncn	nnctctctc	cnnnnnnnct	840
cnnccctct	nnntcncnc	ctncnccnnc	nncccccctn	nnnnnnnnnt	cnnnnccccc	900
cnnccnccnc	nnntcncncc	tcnncnccnnc	nnntnnntnc			940

<210> 4313

<211> 1051

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1051)

<223> n = A,T,C or G

<400> 4313

cannncncc	nnaacnnnna	tntcatcnan	ncacnannna	anccnnctta	cnaanatnct	60
ncgnacaacn	agngannnct	tccccccctt	nnaacccgcc	cttatgcnga	acccacgatt	120
cgaattcggc	acgagcccat	cgtgcgctgc	cccacgggtc	ggtaccacac	gaaggtgcgc	180
gccggccgcg	gcttcagcct	ggaggagctc	aggggtggccg	gcattcaca	gaaggtggcc	240
cggaccatcg	gcattttctg	ggatcccncg	gaggcggaac	aagtcacagg	agtccctgca	300
ngccaacgtg	cancggctga	aggagtaccg	ctccaaaact	cannctnct	ccnaggaaa	360
gcatcggac	cccaagaagg	ggagacagtt	ctcgtgnan	aacnggaaac	ttggacacca	420
anctnaccn	naccggcaat	nccnccnccg	gaaantctna	aancgaaann	ancaacgnnc	480
atacacaac	acnnannnan	cnnngnncana	ncnnccnncn	cnnatnnntn	naacntcnn	540
antcncnnc	nnntcncctc	naccnancac	tannntnnna	ntnctatcac	anannnagnc	600
cnnnnntcaa	caannaccnn	nancannnna	annncnanc	cnnnnntanc	atncannntn	660
cncctcaacat	nacatannan	tanntccnaa	nnnctaant	anngcncnac	nnccatctac	720

ncntntntntn	aantgcctan	aaancacnnc	cncncaacta	anntcnacat	anacgcanna	780
nataatcgga	acaaancata	acgncacnna	naananattn	cnngngnaac	tacctannat	840
antanaaaca	ccnannacca	accanactcg	nccacnngcn	ctcncctnncn	nnngcgntcn	900
cncacacgtc	ngcnaaccac	tntcttnccn	nncnncgct	nacnccegc	tccatnatan	960
naccacaacn	nmntcataac	annntcgcn	anancgacac	ctnatctcgn	cncngnanag	1020
annactctaa	gncacanata	tntgttnacc	c			1051

<210> 4314

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(755)

<223> n = A,T,C or G

<400> 4314

gatgctggnt	ncnnatgctt	gnngatccct	cgattcgaat	tcggcacgag	gaaatgtgta	60
tttcagtga	aatttcgtgg	tctttttaga	ggatatattcc	aaaatttcct	tgtattttta	120
ggttatgcaa	ctaataaaaa	ctaccttaca	ttaattaatt	acagttttct	acacatggta	180
atacaggata	tgctactgat	ttaggaagtt	tttaagttca	tggtattctc	ttgattccaa	240
caaagtttga	ttttctcttg	tattacattt	tttatttttc	aaattggatg	ataatttctt	300
ggaaacattt	tttatgtttt	agtaaacagt	atttttttgn	tgtttcaaac	tgaagtttac	360
tgagagatcc	atcaaattga	acaatctggt	gtaatttaaa	attttgacca	cttttttcag	420
attttacatc	attcttgctg	aacttcaact	tgaatttgtn	ttttnttttc	tttttggatg	480
tgaaggtgaa	cattcctgat	ttttgctgat	gtgaaaaagc	cttggtattt	tacattttga	540
aaattcaaa	aagcttaata	taaaagggtg	cattctctca	ggaaaaagcc	atcttcttgn	600
atatgtcnta	aatgtatttt	tgncctcata	taccggaaaag	ttcttaattg	gattttacca	660
gctgnaatgc	tttganggtt	ttaaaaataa	taacattttt	aataattttt	taaaaggaca	720
aactttcata	atnatcccg	ngntcctttt	ccnnn			755

<210> 4315

<211> 811

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(811)

<223> n = A,T,C or G

<400> 4315

tnnnaatcnc	nnnaagcctt	tgtnnaaccc	ctttgctact	ngcncctttt	gcaggatccc	60
atcgcttcna	attcggcacg	aggttatncc	agtatctgnc	ancagaatgg	cattgtgccc	120
atcggtggagc	ctgagatcct	ccctgatggg	gaccatgact	tgaagcgctg	ncagtatgtg	180
accgataaag	gtgctggctg	ctgtctacan	ggctctgagt	gaccaccaca	tctacctgna	240
aggcaccttg	ctgaagccca	acatggtnac	cccaggccat	gcttgcactc	anaagtttct	300
tcatgangag	attgccatgg	cgaccgtcac	anogctgcnc	cgcacagngc	cccccgctgt	360
actggggatc	accttctgt	ctggaggcca	nactgacgag	gangcttaca	tcaacctaaa	420
tgccattaac	aagtgcccn	tgctgaancc	ntgnccctg	accttcttct	actgncgagc	480
nctgcangcc	tctgcnctga	acgcctgngg	cggnaataag	gagaacctga	agctgctcac	540
gaagaatntg	tcaagcgaac	cctgncnaac	agcctgcct	ggcaaggaaa	gtncacttnc	600
gagccgggta	ggctagggtc	tgctgcaacc	gaagtccct	ctttggtnnt	ctaaccatcg	660
ccttttttaa	nncggaaggg	tgtttcccca	aggattgccc	cccaanaact	tnnaagnccct	720
ttggccccaa	tttccnantt	tttgaaanaa	ggnaggnccg	ccntncttta	nnnggcttcc	780

aaaccttggg cttaganccc nggctttttt t

811

<210> 4316

<211> 942

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(942)

<223> n = A,T,C or G

<400> 4316

gnagcgtnnn	cctttggaac	ccnttgctac	ttgctctttt	tgcagggatc	ccatcgattc	60
gaatnecggc	cgngnctggn	cntaggcgtn	gnnnatncca	aggccatatn	acatnngatn	120
ntncanaaga	gncatataat	cnagnnngta	aattcacatt	gtgctgctca	catggatnga	180
acatacaaat	tgatggttat	aaacctggat	gtcaccatg	actccaaagn	nctnngtgnt	240
aacctggnt	atagnngnag	ntcnnanngg	actnnatag	gataccgagg	ctctccagaa	300
caagctccan	gaantgatca	ctgngctanc	ngnggctatg	acagctgtaa	ngcncgaaca	360
ggaatacntg	gaagtccggg	tnanaatata	ctnagccatc	ancgactgca	catacagcat	420
agtggtnctt	gtggctcttc	ttngaattctc	tngttctagn	caccatgaca	ttgngacaga	480
tntactactt	gaagagattt	tttnaagtcc	ccagagntgc	ttaganaaaag	tcnactnctg	540
angatccnac	ctnaagaatt	naatgtnnac	caaacaccnt	gntcntaata	atggnccata	600
gttttctcgc	atgntttatg	gttctnngac	ttgtaccatt	tcacatcgta	atgggtgnca	660
nttngagaat	taatncatt	aattgggggn	gggaaanaac	ggcctttttt	anggcnaaat	720
tnaattaggc	cnaaaaattt	ttcccagttt	aatttgggnc	nttaaaccct	tngtntttna	780
aancttgnc	tnccattnt	gttanagtcc	cntntcaaaa	tactttanac	cctctttnt	840
caantnnan	nattttnnng	anttancnnc	atnccaanca	attnttttnc	nttncnntt	900
nacnnttttc	ccntggant	ntcctgcacn	tcancntnnc	ct		942

<210> 4317

<211> 891

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(891)

<223> n = A,T,C or G

<400> 4317

annatccttc	tgangttngt	ctngctcttt	ctgcaggatc	cctcgattcg	tnagtgtctg	60
nntgncagg	ccctcaaaga	ttcctnngnc	ttttcccatg	tgnttgaaga	agaantcnat	120
ngncnntcat	tgaatcaaac	tggaaaacct	gctggcntgc	tgctgacgac	tctgnggcta	180
ncaaggtnct	anactcnnaa	aacatgangg	tngtnaganc	ctcnncgaga	catnccaata	240
tctgctcctc	agtggctttg	cngnctcaga	ggcctcanag	cctgctgtca	tgtggacctg	300
gatatgcagg	tgatgctgng	gactcttcaa	aaagcccnac	cactctgnga	ttacgaatnt	360
acangacaga	tganacacga	acatgatgna	aagcccacca	tnaccnntan	agcncttaaa	420
ccctgnccta	gnncattcna	tcnanggggn	ttcntntngc	tatattggta	gttgcnngnc	480
ngacnatggt	aaanggacna	atnattcggg	tgatgggact	gnantgtgan	cnggnnctng	540
naattanggg	gccanncttc	tagggngtgc	ccnncnctg	cctntcnntc	canaaatgcn	600
tanaccgtgc	ttntacctgg	gaagngnatg	gatgngnaaa	gaaacnccnt	nnnttgnggn	660
ctttgccaca	cnnncnnggn	aaacttttga	gncannaaaa	naccnncnta	taaccannnt	720
tnccntccnc	taaaaacttg	ttacnncnaa	cntatnggca	ataggnaaaa	acccctttac	780
agggnacccg	aaaacctttg	gcaacnccan	aanntntgnc	gttnggggaa	aaaantacct	840
ttggcccgnt	ttttttacag	nttngacnca	aaaantttta	agggaaancc	c	891

<210> 4318
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(770)
 <223> n = A,T,C or G

<400> 4318
 ntcnnncttt aancecntat ccttctcnaa acctttggaa cgcncnctnt ctncaggaan 60
 cctcgctnna gatnctcacc tcttnnnnggt ctngnntngt ctgcctacat tcccacagca 120
 gacaagggtg anaatccatn gctgnaatct tggatttgat gagttncagt gatggaacat 180
 gtgcttggcc acaggcagggt ccagtcactg caaaagtgc caanccanca ggtcaccctt 240
 aacttcagaa acaattattg gtggtgaact gtacttaaat tgcagagaaa cctgtaagta 300
 atggaaggtn aanaaaaatt acanaatgga aaatnatatt ttgggcaagc aaacanattc 360
 actgagaatt ccaaaaagtat attaaaaaag aagatagcta tgagttcaga tctatcttat 420
 tggctcttaa tattacaacc aatccttaac ttccactat aaangaagga ttactanatt 480
 gattactttc ttggtagata atctggtaat aaatgatagg gaaatcaaaa attactttta 540
 tttaggagtt ngaattctta ctctcatcag acattttttt tctangggac ncttactaat 600
 taaatgaatt taaagtgtgt ccttangngn tcnttngccc ntantatatt tatnactgng 660
 ttaatganta ntggaattnt gccggaanga cagnttcang aagaggaant cncgaancct 720
 gataatctat ggggttagaaa gcntccctgn atatcnaaaa ttgccanttt 770

<210> 4319
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(765)
 <223> n = A,T,C or G

<400> 4319
 tgttttaatn ctngtcaaat ccttggtctac tcgntctttt ngannncgna ttcngnncgg 60
 ntcccatcnn ttcgtggggg tgggcagttt tttgaaaatg ggctcaacca gaaaagccca 120
 agttcatgca gctgtggcag agttacagtt ctgtggtttc atggtagtta cttatagtt 180
 actgtgtaat tagtgccact taatgtatgt taccaaaaat aaatatatct accccagact 240
 agatgtagta ttttttgat aattggattt cctaatactg tcatcctcaa agaaaagtga 300
 ttggtttttt aaaaaagaaa gtgtatttgg aaataaagtc agatggaaaa ttcatttttt 360
 aaattcccggt tttgtcactt tttctgataa aagatggcca tattaccctt ttcggccccc 420
 atgtatctca gtaccccatg gagctgggct aagtaaatag gaattgggtt cacgcctgag 480
 gcaattagac actttggaag atggcataac ctgtctcacc tggacttaag cgtctggctc 540
 taattcacag tgctcttttc tnctcactgt atccagggtc ccttccagag gagccaccag 600
 ttctcatggg tggcactcag tctctttctc tncagctgga cttaaaacttt ttttctggac 660
 cagttaattt ttncaactac taatngaata aaggcagttt ctaaaaaaa aaaaaaaaaa 720
 ctgaacctt tanactatat gagtctgtta cgtagatcng actga 765

<210> 4320
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(744)
 <223> n = A,T,C or G

<400> 4320
 gtncnnttt gaatncncat acaagctact tgttcttttt gcaggatccc atcgattcga 60
 attcggcacg agcttatctg tacgagatnc attccnagac ccctagtggg tgccctgaaac 120
 ctcatatnng actgaaccct ttatgaacta tgtttttttca gtctgacaac caaggcggct 180
 actaagtac taaggggacg gtagtataca gtgtggataa gcaggacaaa ggggtgatcc 240
 acatcccagc ctgngcaaca gagcaagact ctgtctcaaa aaaaaaaaaa aaagtctcan 300
 taacctatgg gataatatac taacaaacag ctgtgtaact ggaatnccat aaagcantgg 360
 tggacanagc agaaaaatat ttgaagaaat aaagactaaa attatgtcca ntttgatgaa 420
 aattatnctc tgacagatct aagantttta gcaaacccta atcaagatag tctctctctc 480
 cctctcacat gcacgcacac gcaccgaagt tnagccataa tcaaactact aaaaaccant 540
 aataaaaanga ataattctta aatgtngcca gagaaaaaan gacacgttac aaacagaaga 600
 acanggggta gaaaactgaa actttcctta naaactacat acgcagaaga caacaaattt 660
 gcttaaattg tgaaaaatcc cctcacacta gagagaggct ttggtggtag catggctnag 720
 taggtgcaca agacgtgcc tcct 744

<210> 4321
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(772)
 <223> n = A,T,C or G

<400> 4321
 gnttgngnngn taantttnta aggatccctt tntntgaanc cctttctgca ggatcccatc 60
 gattcgaatt cggcagcagg caggagnaat cacttgaacc ctggagggttn cggttgcatg 120
 gagcacagat catgccactg cactccagcc tgggcaacaa aacgagactt cgtctcaaaa 180
 aaaaaaaaca tagaatttgg atccttttgt cgggttctcc caaattcttt tgagggtgtcc 240
 atggtcaact gcttcagctt tgttttgcca accccctgcc cgaagtcgca tataggctgt 300
 tcttcacctt gtttccaagg ctgaggaaca gaaagtagcc tctgttttga ggagggtgaa 360
 gttaagtata catttatttt ttactgtgac ttgttcagga ccacatttta caaaatgcct 420
 tgtttccttc attgtttctg gaaaggaaaag ttctattaat attgntttac tttgaatata 480
 gaattgtttt tttaattagg gcttattttg aaaaattctg agtttaattc aaatgtatgc 540
 caataccttc caaagtaagg taatattcag agacagttgt tgggtatcag atggcttaga 600
 gaaaatttct ggaatattca cattcgaaga tccttattat gaatgtcttt gacttaaadc 660
 taacccaaaa ctgcacatta ttctttgnac attttcatta tatagngtta acaagcttan 720
 ttgcaaacca ataaatactt aagctattta aaaaaaaaaa aaaaaaactc nc 772

<210> 4322
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 4322
 tnnctttnac tntnntaatc cttntngang ccctntgca ggatcccatc gattcgcgtc 60

tgtaatccca	gctgcttggg	aggctgaggc	angagaatca	cttgaaccct	ggaggtggcg	120
ggtgcagtga	gcacagatca	tgccactgca	ctccagcctg	ggcaacaaaa	cgagacttcg	180
tctcaaaaaa	aaaaaacata	naatttggat	ccttttggtcn	ggttctccca	aattcttttg	240
aggtgtccat	ggtcaactgc	ttcagctttg	ntttggcaac	ccnctgcccg	aantcccata	300
taggtcgnnc	ttcaccttgt	ttccaangct	gaggaacaga	aagtancctc	tgtttngagg	360
aggtggaant	taagtataca	tttatcctnt	actgcgactt	gntcangacc	acattttaca	420
aaatgcctng	tttccttcat	ngcttctgna	aaggaaagtn	ctattantat	ngtgttactn	480
agaatataga	ntactttttt	tnattntggc	ttattttnaa	aaattctgag	tttaattcaa	540
atgtntgcca	ataccttnca	aagtaaggta	atntcataga	cantngttgt	natcacatgg	600
cnttacanaa	antnctggat	attcacnttc	taaanattcc	ctattaaatg	aatgtctttg	660
acttaaatnt	acaaaaactg	cncatattct	cgtacatttc	gtaaatngtg	nacaagctan	720
ttgcaaacaa	taaatacnta	actaaaana				749

<210> 4323

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 4323

nttnngtttt	tantttntnn	aancctttgt	tacntgcnct	ttctgcagga	tcccatcgat	60
tgcagagccc	ctcctctccc	cgccttctgg	gaggaggagg	tcacncgctg	atgggcactg	120
gagaggccag	aagagactca	naggagcggg	ctgccttcgg	cctggggctc	cctgtgacct	180
ctcagtcctc	tgcccggggc	agccaccgtc	cccagcacc	aagcatgcaa	ttgcctgtcc	240
cccccgcca	gcctccccca	cttgatgttt	gtgttttgtt	tggggggata	tttttcataa	300
ttatttaaaa	gacaggccgg	gcgcggtggc	tcacgtctgt	aatcccagca	ctttgggagg	360
ctgaggcggg	cggatcacct	gangttggga	gttcaagacc	agcctggcca	acatggggaa	420
accccgctct	tactaaaaat	acaaaaaatt	agcccggttg	tgggtggcgg	tgccataat	480
cccagctact	cgggaggctg	aggcaggaga	atcgcttgaa	cccgggaggt	gggggttgcg	540
gtgagccaag	atcgacccat	tgcacttcag	cctgggcaac	aagagcgaaa	ctctgtctca	600
aaataaatta	aaaaataaaa	gacagaagca	aggggtgcct	aaaatctaga	cttgggggtcc	660
acaccgggca	ncgggggttg	aaccaacaa	cctggtaggc	tncatttctt	tccaagcccc	720
aacagaagg	catgccggcc	ccacangaaa	ancnggcagg	gccnccgggg	gct	773

<210> 4324

<211> 916

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(916)

<223> n = A,T,C or G

<400> 4324

nttcnnnngn	aanttnccng	natnntgncn	gaaccccttt	cgatnncnnn	gattcgnagt	60
acngacnagg	agannctgnc	ggncntgtgn	tggaanctnn	ntttggaccn	cnctttnncc	120
ngtgcctntgt	gaactcagag	cacgggcnnt	ttggaccnac	tcaaggccan	tcattggcatg	180
gctcatncc	gaggcacgna	nnganactac	attcncagg	gccctttnaa	acaatggacc	240
ncnatgcngg	catactgngc	ctgcgaccn	aaanacnnna	ngnntgtact	gaatatcaag	300
atcnacttag	antctaagag	agnntggnc	nnnaactgat	cancangggc	ttccangggg	360
cancannag	acactgcgag	tnacagagac	ngccatgggc	gntgctncct	tacnnagnn	420

cacagggcnn	accntcatgn	aaccctaang	ctgtncnnat	gtactccgaa	tggcctttna	480
nncgnacngg	cctctaagtg	atgcnncccg	gtntcanatg	nnnccgtaca	atatctcang	540
ggacatgggg	antnatnnnc	anccnnaacc	tttnanaaaa	ggcggcntta	ccnttacnnn	600
aaaaggatgg	cttnnngcta	atcaaaaanc	ntgtaaaccc	tnggcnatta	taaaccceaag	660
acccgggaca	aanctnnggg	taccnngtcc	aattnaaaact	ggcctnccnn	tcntgggtcnc	720
ccaaccaaag	tnaaacctan	ttngcagngg	gttataccgg	nanncnaatt	ggtntcaacc	780
ccaacttngg	gaaaataaatt	tttncnaaat	gcntcnatcn	aaccctgnct	tttnnanaaa	840
aaccagggct	ttttnnctng	gggaaccttn	aancggggan	ttggccttnn	caaaaccacn	900
tnccncttta	ggtnnn					916

<210> 4325

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 4325

cnttnnttna	tgacccttgt	tacttgctct	ttttgcagga	tcccatcgat	tcgaattcgg	60
cacgagggaa	ccatgagaac	cgaagctaga	attgntattg	aattacttta	ttttctcttc	120
ccttattggg	tagagataca	tcattactgg	cctcaggggt	ttacccaaag	aaaggggtatt	180
tttgagcaaa	taatgtgatt	tcctggctat	tttggtgggg	gcttaagatt	tttttttttc	240
aatgcatatt	ttagtcacta	aaaattaact	gtcgtaccat	ctagaactat	actgtccagt	300
accatagcct	ctagccgtat	gtagctatatt	gtattaagat	taattgaaat	tttaaatacca	360
gttcctcagt	cacactagcc	actttctaag	tgctcagtag	ctctgtgtga	ccagcggcta	420
ctgtattgga	tattatagaa	ggttctttca	ttcaagatca	tcattcttga	cagaccata	480
aatatttcct	ataaagactg	tagaagtgtg	ttctggaggg	tttgctctcc	aaaaagaatt	540
gtaatataga	gtagaattgg	gatagagtat	tgaagacact	gggttttagac	attggatatt	600
ttaatgattg	tgtgtctaata	tcatggtgct	gncaactgag	ttatctagt	atatgacctc	660
actgtcttga	ccaaagccag	aatngaaggc	aggattcctg	aatctatctt	aaaattgcaa	720
tggaanagcc	ttttccctaa	attatccatt	tgtaatt			757

<210> 4326

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (758)

<223> n = A,T,C or G

<400> 4326

ntnnnttctn	aateccttgtt	cnegcctttc	tgcaggatcc	catcgattcg	gagaggagca	60
ggtgcagtga	ttcataccca	ctctaaagct	gctgtgatgg	ccacccttct	ctttccagga	120
cgggagttta	aaattacaca	tcaagagatg	ataaaaaggaa	taaagaaatg	tacttccgga	180
gggtattata	gatatgatga	tatgttagtg	gtaccatta	ttgagaatac	acctgaggag	240
aaagacctca	agatagaat	ggctcatgca	atgaatgaat	accagactc	ctgtgcagta	300
ctggtcagac	gtcatggagt	atatgtgtgg	ggggaacat	gggagaaggc	caaaaccatg	360
tgtgagtgtt	atgactatatt	atgtgatatt	gccgtatcaa	tgaagaaagt	aggacttgat	420
ccttcacagc	ttccagttgg	agaaaatgga	attgnctaag	ccaaaagaaa	gtctaattat	480
atacagagat	aaagctaaac	gtaattatta	tttaaataag	agctattttt	ttaaatgaat	540
ngaaattttt	catgatgcta	ctaatttgnc	actaaatctg	caaagtgtca	ccctgaattt	600

cttctgacat	tggtgntatt	tgcttatatt	ccttataatt	ttaaatgaag	gcacagtga	660
atgaaaattt	tatactctat	gnntctgna	attntaaat	ccttaacagc	caaattttt	720
gcctttaatt	cttttanata	tatactctcg	agaaatcn			758

<210> 4327

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 4327

ngtanantan	naacntgggt	ntcgctcttt	ctgcaggatc	cctcgattcg	aattcggcac	60
gagccaagga	gttttccacc	cgtctctcat	ggtcacagcg	ctagtcattc	atttttgaga	120
agttgcttct	tttacatcag	aaaaccagtc	aatcatatgg	agacttcttt	tgtgatgaaa	180
aagggtctta	gaagttaa	acatgcatgc	acatgaaaac	atgcacaacc	acagcctcaa	240
tcttgatatt	agtttgggga	aagagaagag	aatttcctgt	ggattatttt	ttcctcaagt	300
gcacctctct	ggttaaccca	aactctgcaa	gaaagcactg	tgactaaaac	atacataacg	360
cctgcataaa	tattccatgg	tttcagttaa	atttcagttt	ttagccttta	cacatgaggt	420
caaaggagtg	acgaaaatac	aaagcaagga	aaaaatgaaa	tatctgggtt	ttgctgaatg	480
cttaatttat	tttttactgt	gccactccaa	tatttatcaa	atccaaatag	catgaatgct	540
tctctgtagt	aatactaatt	ttgtgccttt	tgtctgcttt	cttaagacca	gttggttcaca	600
ctttgtagat	attaacaaat	atatttccga	ttggaataca	aaaaaaaaaa	aaaaaaaaact	660
cgagcctnta	gactatagtg	agtcgtatta	ccgtgatccn	gaccatgata	agatccattg	720
atgagtttgg	acaaccacac	tngatgcagg	aaaaaat			757

<210> 4328

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 4328

ngtanantan	naacntgggt	ntcgctcttt	ctgcaggatc	cctcgattcg	aattcggcac	60
gagccaagga	gttttccacc	cgtctctcat	ggtcacagcg	ctagtcattc	atttttgaga	120
agttgcttct	tttacatcag	aaaaccagtc	aatcatatgg	agacttcttt	tgtgatgaaa	180
aagggtctta	gaagttaa	acatgcatgc	acatgaaaac	atgcacaacc	acagcctcaa	240
tcttgatatt	agtttgggga	aagagaagag	aatttcctgt	ggattatttt	ttcctcaagt	300
gcacctctct	ggttaaccca	aactctgcaa	gaaagcactg	tgactaaaac	atacataacg	360
cctgcataaa	tattccatgg	tttcagttaa	atttcagttt	ttagccttta	cacatgaggt	420
caaaggagtg	acgaaaatac	aaagcaagga	aaaaatgaaa	tatctgggtt	ttgctgaatg	480
cttaatttat	tttttactgt	gccactccaa	tatttatcaa	atccaaatag	catgaatgct	540
tctctgtagt	aatactaatt	ttgtgccttt	tgtctgcttt	cttaagacca	gttggttcaca	600
ctttgtagat	attaacaaat	atatttccga	ttggaataca	aaaaaaaaaa	aaaaaaaaact	660
cgagcctnta	gactatagtg	agtcgtatta	ccgtgatccn	gaccatgata	agatccattg	720
atgagtttgg	acaaccacac	tngatgcagg	aaaaaat			757

<210> 4329

<211> 746

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(746)
<223> n = A,T,C or G

<400> 4329
 ttntttacct ttgctcttgn tcttttgcag gatccctcga ttcgaattcg gcacgagaga 60
 agctcagctc ttcttggctc tggctagact gcctagattc ccacagcaga caagggtgag 120
 aatccattgc tgggaatcttg gtattgatga gttacagtga tgggaacatgt gcttggccac 180
 aggcaggtcc agtcactgca aaagtgacca agccagcagg tcacccttaa cttcagaaac 240
 aattattggt ggtgaactgt acttaaattg cagagaaacc tgtaagtaat ggaaggtaaa 300
 gaaaaattac agaatggaaa ataatatattt gggcaagcaa acaaattcac tgagaattcc 360
 aaaagtatat taaaaaagaa gatagctatg agttcagatc tatcttattg gtctttaata 420
 ttacaaccaa tccttaactt tccactataa aggaaggatt actagattga ttactttctg 480
 ggtagataat ctggtataaa atgataggta aatcaaaaat tacttttatt taggagtttg 540
 aattcttact ctcatcagac attttttttc tagggacgct tactaattaa atgnatttaa 600
 gttgnttcta aggggttttt gcctatatat ttatgactgn gttaatgagt antgaaatga 660
 tgcggaaggc agcttcagga agaggaatnc agaacctgaa taatctatgg gttagaaaag 720
 cttcctgaat atcaaaattg gcngtt 746

<210> 4330
<211> 967
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(967)
<223> n = A,T,C or G

<400> 4330
 nnnnnncann annnnnnnna ngnnnnncna ccannncnnn cnacnnagng nnccegcctcc 60
 aaagccggca annccgcgcn cngcnnnntc aaacntgca ngcggcacnn gnnngncccn 120
 acgangcgcc agcgcgcgng anacngngct gccaaagaaan gngngcncan agnccggcct 180
 ngagaacagn acagngganc gtcanaagca gngggangac agacgacnga ngaaacntag 240
 agcccagggn naggcngacg acggaccagn tcccaaaggc ngnggcccaa agcngacnag 300
 nttnaggaag aaanacngng gacacaaccg gagacanccg annaggagcn gacnganntg 360
 gacccanang gcaagaagca ccnaaacang ncaccacca nacgaccggg gaaggcacga 420
 acggtcngag caccagnaaa acngaaacna ancaacgcgc acacannngg aganagaaac 480
 accncnaaca ancnaancgn gggaanangn agaccggacn cagaagaang gcncaagann 540
 cggcanngaa ccnnaancn gacggaannc agggngcgng ccaacaagan ggcnaangcn 600
 ggncaannna nggcccgcnn ggaaaaacga ccaagngnnn cnccaaaaaa gacanggcaa 660
 aagnaaccgg gcaaagggca ancncnaagg nnaagccna naacgcgcan nnggagcaaa 720
 angnnccaag ngaggancna aagangggga aaggggccca cnaagngggc ggnnaannng 780
 cgaannnaaa acanaggngg ggggccacng gnaaacccaa gcgcgaaann ccnggcncna 840
 agggcccccga aaacangggg ngacaaaaac ccnngccaaa accnnanggg ngggncccat 900
 cngannnaca naaggngaac cgnccaaggg ggcanaaagg aaaggccatn nnaangnaaa 960
 agagccg 967

<210> 4331
<211> 824
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (824)
 <223> n = A,T,C or G

<400> 4331

gttagngtgn	ggatatnaaca	gctcttgtn	tttttgcgga	tccctcgatt	cgaattcggc	60
acgaggcnac	nggtgaagcn	nttggtgngt	gngetnctca	tgaagaanct	gtggcnggta	120
tgttcaaaga	canggnat	atgcantaca	gatatataga	actcttcttg	aattnaccaa	180
cangggccgg	ntaatggggc	gnatgtcagn	caantgatnc	aactgcatgn	gggtgtctnn	240
tgccaggnc	acttacagng	gnctggaaag	ccagtcannng	caangngtgg	ncncagcgcn	300
ggnttcngtg	ggtnaaccag	gcatggngctg	gntatnacgt	aatcttagnn	aggaacaatt	360
tnagtnactn	tnttctnat	tcncnngnga	gnctcttnc	angttngtga	gcatttntca	420
ataagaaaga	agnctggggg	acccatttng	cancattnan	ttcanggaaa	aatctngatt	480
taaaaaagtt	acctntgaac	tgtnnnntaa	ngcncnnttt	nnttgtagcn	tgtgataatn	540
gatgcgaact	tntactatnt	atcagcatgt	tctnannata	acnttttggg	tannatcngt	600
ttagnantga	ttcnttcatn	agcctaagaa	aacttaagnn	nnggcaaaat	gccggatcat	660
tgtcacaggc	acgttcacna	attnanccnc	nctcgytgac	aacntttctt	gntttttngg	720
aaanaaattc	cacagggngt	agnctannca	tngttctntn	ggaaatttan	ctntaatggt	780
ttcggtanaa	ntcccgtttg	ngnggtttna	attaaaaaaa	nccg		824

<210> 4332
 <211> 830
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (830)
 <223> n = A,T,C or G

<400> 4332

gcttnanccc	tttccatttc	caatnntttg	gctctcncn	aaaccctttg	gancccntcg	60
attcgaatnc	ggcacgagg	ctaacttgcc	ttgttnnact	atngatgtn	gngtcctggn	120
ttcttaacac	tttaagcagc	tgntctcacc	ttaaaggctaa	tagttntaag	taagtatctn	180
tttcttttta	taatttaaaa	attaaaaaat	ttttaattaa	ctgtttttta	attaaaaaaa	240
attattaatn	atttntaata	gacaggatct	ngctatgctg	nccaggctgg	tcttgaaactc	300
ctggtctcaa	gtgatectcc	tgccctggcc	tcccaaagtg	ctggtattac	aggtgtgagt	360
cactgcacct	ggccaagtt	natncttcag	gntacattnc	ttcagccact	tcaatcaaac	420
atnnaattaa	catgctataa	tgaatgacta	tncttaacta	ggctaaccac	atgaaggcct	480
ttggnaactt	acctntagtt	acanccttca	cttctttttt	tttgngaagg	gaaantnnng	540
ggnnccggaca	atactcctng	nantnaacta	tngtaacctt	ttncntngac	tngaattaac	600
nngggaaatt	nggggaaant	aattgnagaa	ntgaacnngc	ttgaatcnaa	nannantcaa	660
tanaccntaa	tagncaantc	ntnttaanne	cccnaatcnn	ttagnccnt	ccaatttggc	720
cnanaagnta	anancncccc	cnggcctttt	ngccccaatc	nnnaaattcg	nmatnaaaaa	780
tnaaaccctt	ngccttttaa	ngggnacctt	tnacacgaan	gggggaaann		830

<210> 4333
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (772)
 <223> n = A,T,C or G

<400> 4333

gnnnnnnnttt	nnnnnnnttt	ccnannngnn	nnnttcaa	at	tttccnaatc	gctngncttt	60
ttgcaggatc	ccatcgattc	gcaccgctat	cagaaaaata	tcctgttcat	ggtttatact		120
gaatttgcaa	actactgata	tgatttttca	ataaccactt	gtatcttcca	tcatccatga		180
gaggtgggaa	gaggtacact	gtatctctgc	aataaaactt	tggccagggt	ctacctcctc		240
tgagcaaagg	atacttttct	atgtagggtg	agatggttct	cctttactaa	tctgacatgg		300
tgcatctgga	gacaacatct	gatgggatcc	aaagacaact	tgaaacaaag	gtggatgtca		360
gctcttggtg	tgttttcatt	tggttctctt	ttttaaatct	cccttttggt	atcgctcctg		420
ttgtagcgtg	tccatcagtg	tgtgaagggt	gcgccctggt	ccaatgatac	tgcatgtctg		480
catccagcct	ttcgtgggag	cacggtagca	agcgtccgga	attgattatc	ccaatcattt		540
ttgatatgta	actgaaaaat	ttggtctcat	gcaataaaaa	tgtactggct	gcatttttagc		600
aagggtttatt	tactcttgca	agtaaaaacy	atcaaccgtg	aagcgtaaca	aattctgtat		660
ttagtttttt	ttctgtgtg	gtgggttttg	ttttgggttt	tgggttgtaa	gattctaaat		720
aaattaaatc	gantnaaaaa	aaaaaaaaaa	aactcgagcc	tttanaacta	tn		772

<210> 4334

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(729)

<223> n = A,T,C or G

<400> 4334

gngnnnttga	aanccntggc	tacttgttct	ttttgcagga	tcccatcgat	togaattcgg	60
cacgagactt	aaacatgtca	cctaaatgca	cttgatgggtg	ttgaaatgtc	caccttctta	120
aatttttaag	atgaacttag	ttctaaagaa	gataacaggc	caatcctgaa	ggtactccct	180
gtttgctgca	gaatgtcaga	tattttggat	gttgcataag	agtcctattt	gccccagtta	240
attcaacttt	tgtctgctg	ttttgtggac	tggtctggctc	tgtagaact	ctgtccaaaa	300
agtgcattga	atataacttg	ttaaagcttc	cacaattgac	aatatatatg	catgtgttta	360
aaccaaatcc	agaaagctta	aacaatagag	ctgcataata	gtatttatta	aagaatcaca	420
actgtaaaac	tgagaataac	ttaaggattc	tagtttagtt	ttttgtaatt	gcaaattata	480
ttntgtctgc	tgatatatta	gaataatttt	taaatgtcat	cttgaaatan	aaatatgtat	540
tttaagcact	cacgcaaagg	taaatgcaca	cgtttttaaa	gtgtgtgttg	ctaactcttc	600
catangaatt	gtnaacattg	actgacaaat	tacctataat	ggatntgggt	aatgacttat	660
gagcaactgg	nttgccagga	cagtataccc	aaacttttat	ataatatcag	aagntatcac	720
cttgtgaaa						729

<210> 4335

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 4335

tgggcctttc	aaatnccttt	tctatttcna	atncttggct	actttcactt	tccgcannga	60
tcccntcgnt	aaaggcagcc	cccaagtccc	agaaagtga	ctccccagc	atcgactacg	120
cagagctgct	gcngcacttt	gagaaggtcc	agacaagcac	ctggaagtgc	ggcaccagcg	180
gagcgggcgt	ggggaccacc	tggaccggag	ggttgtcctn	tgacangcct	ggcacggang	240
agggcccacc	gagtggaccn	tnaancacta	cnggtcntna	aacacntncg	atgaggccat	300

atctactaac	ttaggcccat	ggtcagatat	gatnatctgc	aaacccatct	tgaccttgag	360
tatgtgaagg	ggtactgtac	tttattcctg	atacattttg	gtttccatgt	aggtggtgag	420
ctcctggttt	tctgtgtttg	gatgatgaag	atltggaccc	ttccattcat	aatccctttc	480
taagtgaaac	ggagaggctg	gcttggctgt	tccttggtat	tccgaaagcc	ctggtttggg	540
gcccattgtc	acactggctc	tcagtctagt	caggtgcaat	gttcttgaan	angtggggac	600
ctaattatta	ccanagtagc	ancaagagag	gaaacgttgt	gaattaaagt	attcaattaa	660
aaaggaaaca	tgatttctac	ctgaaaaaaa	aaatggctgc	nancggataa	tngtntgncc	720
cntgntttnn	anccggagnc	cnnnnaccat				750

<210> 4336

<211> 991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (991)

<223> n = A,T,C or G

<400> 4336

ggggncattt	tgcnaaantc	cccgcngttt	ttneccngtn	nttgccnaaa	aanagncccn	60
tttgggggcn	cccccntntt	ttgccaaaaa	natccnnccc	taggggccta	acctatgggc	120
tgcnmtatan	gngggncagg	gggagaancc	ccgcnaaang	cgnaangan	ggangnaaan	180
naacgggggc	acacacgcnc	nagngggcag	ngncnnncan	gggggnagann	ngnncaggga	240
ncagnggggn	nngnncntnc	cgancanana	cnngnggggg	agaannncna	gagggnaagn	300
ncaccncncg	anaagngnga	nagggnggna	ncntgnanna	cgacnanact	nggnggngca	360
anccgnaann	gagacganga	nanaggngtn	cnanggcgca	aagnagnant	acncgcncnn	420
nngatacagn	aaaaaggann	naaannnacn	gcnganganag	agngananac	nacaanctnt	480
ggaggaaagag	acggaanacn	gggagaggaa	gggntnagna	annaaaggca	aggattaacc	540
tnacagaaat	gaanaanccc	nanncacngg	ngncntctgc	aagngaacca	cttnaagcca	600
angtnaagca	gntgcagctt	gatagcctgc	taccactgag	agggactcag	aagagtgtac	660
tncattgcaa	tacttaaaaa	gcgccatctt	gctgtggaag	cctacagaaa	actgnggatg	720
aacacaagaa	aacgatggaa	ttactgcaga	gtgatatgaa	tcagcacttc	ntgaaggaga	780
ctcctgggaa	gcaaccagan	cattccggca	ccttcagnca	catcagnact	tggcaataaa	840
acccacagng	agaattggaa	aacagatggg	gnganagaac	tggccctctg	gaaaagacag	900
cttnggacaa	ggtcaccaac	ngaccagatc	cnggnaaaaa	atccaaggca	taaaggaaag	960
aagannngtc	caaattctcag	gggatccaac	c			991

<210> 4337

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1188)

<223> n = A,T,C or G

<400> 4337

ccttaaaaaa	ttggggccct	ttggggcctt	tacttcnggg	tagaatnctt	ttttnttggg	60
ccaggggaaa	tccccccant	tccgcnaana	aancgggaaa	atttgtgccg	ggggccaacc	120
ggaagggaaa	cnttcttggg	ggncaccca	aaggccccc	agggnaagg	ttccaaattt	180
ngggntttcc	ctttttttnc	naaagggccn	aagggttccn	atlttttccc	aatttaattc	240
ccaaaggccc	ngntnnatnn	tgntangtn	cgnnnnncnn	atntntnnan	ngngggcggn	300
anattnnntc	ntntntntnn	tgtcnntcnn	nnntnnnnnt	nntaanncnt	tattnatntn	360
ntatncagcc	ncnnntanan	nnantnctnn	naatnnntnt	tntnttactc	nncnnattnn	420

ntngtngtcn	nctncnttta	nntcatcata	cnnatatcat	ntaaanaang	cntnnactnc	480
ntatnatccn	ttngcatctt	cantgttttn	ttntcanct	ncttgcntcn	nntntacant	540
accantnntt	aagctctttt	tacnatgnaa	tactcannaa	gagntngagg	ttggctgnan	600
tttanctttt	taaantcntt	gtccnntggg	ctcntgaact	ttttnnannt	tggtggccct	660
tttactttta	ctntnnatna	natgggantn	cgntnnaatc	tntnttcata	naatttttgt	720
acnnntaanc	gttgatntta	gnanaaacta	cnaggnacct	nnntttcant	aggnttttat	780
tcctnttttn	aaccnttnnt	ttgatatntt	cttaactatn	ngcanancnt	tacntnancn	840
tntcnntttg	nntaaaatgn	gnatnggnnn	acnncnatan	gaccctnnag	ctccnncatt	900
ttccttnaan	anagcncant	tcnantattc	tattnnaatc	aatnntatca	ntcngccttg	960
ctcttttnan	cnnancatan	gatntncang	gtatntntan	gccnanntnc	naactantnt	1020
gcactcnaact	atcncancgn	taataagacn	tatanaangn	tcntnnnatn	naaccntttg	1080
nctnacantn	atnttgata	tannttcctc	ncnnanannn	nagnntnann	ttatnatntt	1140
ncatatcann	cnatanactn	taataagtac	tntataaant	tncgnnccg		1188

<210> 4338

<211> 941

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(941)

<223> n = A,T,C or G

<400> 4338

gggggttttna	ataccttgct	ncttnttntt	tatgcangat	ncnntcgatt	cgnatnnenc	60
gcgaagntgg	cnnatgcnga	canggccngt	tctgnatgan	naatgnncat	ctatntccct	120
cccaaanggg	cgncccangg	atatgtcttg	ggatccnatt	ncacccatga	cgccactcnc	180
ntgctncttc	ctctnntgct	cnggtnttgt	ncacaaatnn	nnnggnanca	tcnngncng	240
tccattggag	atgtcngna	taaactgcnn	tagatgtntn	ctaactcgn	tgnaaatgac	300
gagcatnctt	atgagacgaa	ggcntccnaa	gcngtagntg	cccangatnc	gaggtangct	360
atgtggtctc	ttatctaate	tagaaatgaa	aacgccctgt	ntnncagcga	aanntanggn	420
acgnntgnac	actngcttna	acnnaancct	anatacaaca	ggggaaggga	aattgggggg	480
gaaaccattg	acaggnctta	tcanataggg	nttaaatanag	aggacccacc	gnttgtaatn	540
aacatgnnga	ttnatattggg	ggaatacgga	tncaanaggt	nccagggtnc	acttggtttt	600
tttttaacct	tatggccnan	tanncggttc	aatttggtatt	ttggggganc	cccttttnca	660
ttttgggaan	attnggagcc	cnctaattgn	cgnggaanca	ntttgtnggn	tnccccaat	720
cnaatggggg	acccctntna	naaaacctcn	ggggggtgga	nccccntcct	taaaccnaan	780
nacgctttnn	ttgggtttnc	caanaaangc	nnaccccccg	gaaaacttnc	ccttttnngg	840
nnaatttctn	caaccccccg	ggngggaatt	ttccctngng	aaattggcaa	ttcccngttt	900
naagggtgcc	caaaaattcc	ngnttttttg	cccncaatac	c		941

<210> 4339

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(740)

<223> n = A,T,C or G

<400> 4339

gnnggggnnn	nnnncnatnt	atacatag	gctacttggt	ctttttgcag	gateccatcg	60
attcgaattc	ggcagaggc	tcctggcatg	aagaagatca	agttagacac	tccagaggaa	120
attgcacggt	ggagggaaga	aagaaggaaa	aactatccaa	ctctggccaa	tattgaaagg	180

aagaagaagt	taaaacttga	aaaggagaag	agaggagcag	tattgacaac	aacacaatat	240
ggcaagatga	aggggatgtc	cagacattca	caaatggcaa	agatcagaag	tcctggcaag	300
aatcacaaat	ggaaaaacga	caattctaga	cagagagcag	tacttgatc	aggcagtcac	360
ttgtgtgatt	tgaagctaga	aggtccaccg	gaggcaaatg	cagatcctct	tgggtgtttg	420
ataaacagtg	attctgagtc	tgataaggag	gagaaaccac	acattctgtg	ataccaagg	480
aagtgcaccc	agccctatgc	tactaatga	gtagctatgg	cagtctttca	gggtcagaga	540
gtgagcccag	aagaaacttc	catcaagact	tgaacagacg	ttttggcaga	aaaccagggt	600
cttgatagca	gtgctcctaa	gagtccaagt	caagatgtta	aagccaactg	ttagaaattt	660
ttcagaacca	agagtgcaga	ccgaaagaaa	agcttttgaa	aaaccaaccc	ttaagaggaa	720
aaaaagattt	tcccactntc					740

<210> 4340

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (890)

<223> n = A,T,C or G

<400> 4340

angttgga	aa	nccngncntt	tcaaatant	aggctactcg	ttctttttgc	aggatatcca	60
tcgattcg	aa	tncggcacga	ggncnttgg	ngtngggnat	tntncannaa	tnntnnacgg	120
acannncttc		gcnattatgg	tgntcttggg	tgntngggnt	tgttgggttaa	ccctacatca	180
taangcattn		aatgnattan	atnttgtnat	tgntgncaaa	anggaatagg	gtcnacaant	240
nctgtgngna		tnnaacctgn	ntcanatngc	ntttggnaat	nttctntacn	cnnntttnaa	300
ttccactgta		aatnntgacn	gattantncc	nantggnttn	tcnttggaga	aaatnnattt	360
tncactncn		gtctncacnt	tntatnaagc	gtattttatg	ctggcnggnc	cnccatanat	420
ctacnccct		ttgatgcctn	tggnnanaaa	taatgttaan	tagtgcgcaa	antngntatt	480
gtinntngga		caancntaaa	tgngccatta	nnggcntacn	atgcnnttat	gccacannac	540
canncngcna		nngnttttga	ttanggggnan	gcattccnta	aacaacccng	cncnatgaac	600
tngaactngn		ttgggaattn	antnngggaa	tnaanttggc	gntnatgggt	gnngggnccg	660
cctttacccc		gnccacanaa	attccttgng	caatttnnnn	ctttaaaagg	nccananggc	720
nttaatgggn		ttnggnaact	tntaancctt	ttttttgttt	gctntttang	gngtggcna	780
gatggcacaa		nnncnngaa	ntntnggtgc	ntnaacctct	gnttnaannc	taantagggg	840
antgccaaat		ggnnttttnc	tttngcncn	aatantnttt	ttcttgggng		890

<210> 4341

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (776)

<223> n = A,T,C or G

<400> 4341

ntgnnnnnt		tnncccttt	cnaatcnctt	ggctactngt	tctttttgca	ggatcccatc	60
gattcgggag		aactgctcac	tccttttccc	tccccataca	aactcaaagt	cccctgggccc	120
ccaattcaga		gttatgtttt	ttttggcaca	tactagaaag	gcagtgcctc	agcccttccc	180
tgaatccatg		gaggtgttct	gtttggggct	ttttagactg	ctgctgctca	gctgggtgct	240
tgaactgaca		gtaggccagc	ctgttctctg	ccattcccta	gtcatcctgt	gcctaccac	300
agcttgctta		gagcaagcct	tttctcagac	cttaggcaca	gcctctctc	tttacctgat	360
caatgttaaa		tgtaaagcacc	cctgatccca	ggacataagg	aaagatgccc	aattgtactt	420

ttgttctata	gcctgtgaaa	tggttagttg	atcatttttc	cacaaagaat	taggtgttaa	480
gagttttcct	tcaggcttta	cttaggagaa	tggaactaagc	tgaaaggtgt	acttcaccag	540
caagaagtca	actctagaaa	ttcaaggatg	ttccttctaa	ttggtttctt	aagccatctg	600
tcanggaaat	ggtaactttt	ggnnttaatt	tttnggctta	attcccaagg	ggggtaaagc	660
ccagnaaaaa	ttngaaaaat	ggaattattt	tcctggatta	aatnagcncg	naaacctttt	720
ttcnaattct	tcaaattntt	ttaaangggg	gtcttgcttc	tttttnaaaa	gcctnt	776

<210> 4342

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (752)

<223> n = A,T,C or G

<400> 4342

ntggannnct	ttccccttcc	taatncttgg	ctactngttc	tttntgcagg	atcccatcga	60
ttcgaaattcg	gcacgagcct	tccacggtta	tttcacagat	atggagagct	ggaagcaggg	120
agtgagtctc	tgagtgttgg	aattgtaagg	gatcagaagc	agggatcaga	agcagtgggtg	180
aagttcatcc	accataaaac	acacaggtga	ctttgccttg	aatctgcagg	actgaagcca	240
actcttgggc	acagaccctt	agtcccttcc	ttggccactc	taagtcagat	agtccagagc	300
caggcccttn	gggatgtgac	accgagataa	atcagagaaa	agctgtgaag	cttgggggaa	360
agagggactt	ttggtgaagt	aggtggtctg	cagtttctat	cttcttggga	aaagcaagct	420
ggaaaagtga	acagtgggtg	gtaggccata	gtgctcccag	ctgggtgaca	taatgaccac	480
acagcacaag	tgatgttatt	agcaactgtg	tggtgggagt	aggttgtngg	cttggaacaa	540
atcaatccgn	gtgggaaaat	tgtaggaag	ttttattaca	tttaaacttg	gntaacctaa	600
aatcccntca	aaanaaaann	antctngncc	aaanttaagg	gtntnnnaat	naaaaaaact	660
ttngnncctt	taaaacttnt	cgngngccnt	nttaacgtta	aatcccgnc	tngntacgaa	720
tcctntgggt	gaattttngc	caaaccact	tt			752

<210> 4343

<211> 1069

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1069)

<223> n = A,T,C or G

<400> 4343

gcncannac	angannnnnn	nnnnaanaaa	caaccnnaaa	nnannngnac	cnannannna	60
nnnganngn	gnancagnag	gnnangngtn	anccgcnngg	aaaccctgcg	accacaganc	120
ggnggaaccg	gcnnagggcg	gacaccnngg	cngnggncac	gcggnacagn	aggccacggg	180
gagcagaaca	cngnanacgg	cnnngaaacc	nncccaccan	canagagaga	nnggaagtga	240
cagcacannt	gganaagncn	aagaccana	ngacgcagaa	aacaangggg	cangaggcga	300
angcanangn	ggaaaaanan	agcggaagaa	caganacgga	gacaagncac	caccggnang	360
ncagaggcca	ncganaccnn	ggnnngccng	ancaanagac	aaacnccgac	ncannanang	420
cggccnngan	namncngagg	angcaaaaga	gagaaangaa	gccagggaag	ganacnnngc	480
atcnnnnccn	ncmnacgaan	ggaaacgagn	aanncagcan	ggcnggacac	aacgacacng	540
gaagcaannn	ncgnanggaa	cngaaacnan	ccgaagaann	ggancgggng	nnaatcaaaa	600
gnggaaccnn	ncgaangncc	ancncancaa	gggcnnncca	angngccann	aannngncna	660
aaaagcgccc	nccaagaggg	ncgacganga	cgnaacnaga	gnccgacggg	nagncgaaga	720
ccaaancagn	nnccaangaa	ngcagaanng	gagcnaagcc	cnnngaannng	anaaaaaang	780

ggcncgggnc	ncacnacgaa	gccccanaa	gggggaaana	acgnagaggg	gnaacagagc	840
ccnannnnnn	gcgngngana	ngacacagga	nnacaaangn	gaaaagggan	ccacancann	900
gnaaaaccgg	gcaaggggaa	acncccaann	gcaaagaaga	aagaacagag	cacgcaaagc	960
agaaangnaa	caganaacaa	gggaacnaaa	gagcnggaca	cagnancnaa	nggcaacnan	1020
nngnaggcna	cccacgncan	ngnnangccn	nnagnacann	cgcnanncg		1069

<210> 4344

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (459)

<223> n = A,T,C or G

<400> 4344

ttgatccata	tanatacnnc	tanttntgca	ggatccctcg	attcgaattc	ggcacgagnc	60
ncatnccnac	cactactgat	gantatnntn	caaagagnga	tacnctntgn	ctnatggmnt	120
naacnctcnt	tatccaantg	ggnaaggaac	ttggcncgg	angacgcaga	tgtgtncacc	180
tcattntcaa	ggaaanctgt	gaancccttg	cctccttttn	cttgccctng	antgtntgtg	240
acnacancgg	acnctnnnnn	catcncnanc	ntgtagnnga	acggnantgg	aanatcngtg	300
cactegtnta	tnnnacngng	agggaccatn	naccnaagnc	ancttagcaa	antggcttng	360
atgctgtggc	tgannancna	ctgcnggtgc	attcggacac	atttgcccat	nacnctgang	420
cncatttctg	nggggtcaag	ntcatnctga	tcttntgng			459

<210> 4345

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (784)

<223> n = A,T,C or G

<400> 4345

tttnaacctt	tgcatttgan	ccctttgcag	gateccctga	ttccaagnng	ncacnaggtn	60
ngctgnacnc	ttggctaagg	nnactgattc	tgngcncctt	acccatgttc	atggngangnc	120
cngcctnct	ctggccatnt	gccncaacga	ntattcntnn	cccnaattg	ctnatntctt	180
gggatantag	nntanntgan	ngatttngca	agacnagaan	gtntctacnn	ntctgnccan	240
nacgtncgct	acttntnagg	ccttaacaaa	tcttggncat	gcatggmata	tatatcttcc	300
taangnaccn	catgncagg	tccatnccat	tcattgaatg	ccaangatan	accagctnct	360
ggtncnnaag	nagtnntnag	ncancntanc	aaagancenn	gggcccntgg	ngnttgacan	420
cattcatcgt	ggaggaacaa	tggannnagt	ctnactttcn	cnanncnann	ttctgattna	480
aggnttgtga	aagagtatta	catnancgtg	nanntcangg	ntgatntanc	ncanaaatgg	540
canttttnc	ttgcatcnag	ggtctnggcc	cctttntnca	taaaaanngg	atctgaatag	600
gctttntan	ttaccnncnn	cacaccnnat	gnantaanct	aaccctttgc	naangttagn	660
nncttttacc	acanaggtcn	ttacncaaaa	ntannnggtg	anaacccng	ccanttttct	720
agattantnc	ccaacttang	ccctgncatn	cacttgatac	angggccctt	tattanaatg	780
aact						784

<210> 4346

<211> 887

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (887)
 <223> n = A,T,C or G

<400> 4346
 caaancccttt gccctttttc aaatcncttg gctactcggt ctttttgcag gatcccatcg 60
 attcgntgct gcgactcagg cncnntgnat ggnaantgac ataatgtnan cnanangcnc 120
 tctgntgtat gagttgtgct tggtttgnc nagnaggaaa ctgngnnntn tataactacn 180
 ccnangccnt ttggacaaca gctgggatcc aaccnttgct nntngnnnna ntgttctttt 240
 cagnncctcn tgggntagac canaacantt ccttgtnaan ccnaacnngn caaaacntng 300
 nancagggnt nctgnccca angtnnttnn ttanngccc cnnngnngna aacnntttca 360
 accccttgnc tttggnanaa nncttngggc cntnaaaatn nnttnnatan naccttnnt 420
 ggggattcnt ttaatttcta ntnaaangtt ggtggtccna ttttaacctn naaaatgnnt 480
 ngcaatgnnn acttataacc cttanacgn ttgncctaat tgaaancntt aacngtctaa 540
 acnccctnag ctaaanctcc caatgcgnn ggtaaccng gngnatgnnt nggggccaat 600
 ggnntttca annnnctnn aagatcctcn gnatnnnnag aaggatatnt nccnncntgg 660
 gantantct ctgnttatt cnnncgaaaa agnaccttt gncctcttnn nattgnaata 720
 ttngcctngt nttaaaancg nngnccant tttgggggaa tatnnnttt ctngganana 780
 aaaatggggc ccnctgggn tactttatat cnttnnnng aaaannccgn cnaanacct 840
 ncatatggtt ggntcntttc atgacngcgg ggnttanttn ntccccg 887

<210> 4347
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (463)
 <223> n = A,T,C or G

<400> 4347
 tattcnatct gctacttggt ctttttgcag gatcccatcg attcgagann aggangaang 60
 acnctntgcn tggnacaggg ctntgncct antctgaata tgtcattccn ncacggngan 120
 cnnnagcctt tnnntctccc catntttggn aattactttc ttgangatgc tgcctttnaa 180
 angcttcng tacattatcc atntttaaaa aaatcctntgg actggatcta ctgaagcgcc 240
 nttgctntat taannnagg gcctcnagca cctaaanntc tngaccatnn naagacattn 300
 ntncatttna ctncctttgta taactaaata ctctntannn atttcnnttn caatacngtg 360
 ganggnaatg anaagcatnc taaanttggt tnaatntant tcnntnanna tgtngacna 420
 aagaagaaaa tngcttgnt tcaggttcat nggcttggtc tgg 463

<210> 4348
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (765)
 <223> n = A,T,C or G

<400> 4348
 tttcnaatgc ttggctactn gttctttctg caggatccca tcgattcgaa ttcggcacga 60
 gccngntnt nctaatnntn nnatgntnac ctgggnttg tgggtggng cntgcagnnc 120
 canctactca gggngctgng gcatnanant ngcngaacc caannggtgg nagttgctgn 180

natccgaggt	tgcacactng	nactccance	tgnccacana	tcgagactng	tcttataaaa	240
antaannnga	nnatgnnaga	cctatcagta	gggtgancac	ntgtccttnn	gctntgcngn	300
tcnacnttna	tgcgatnga	tccantgang	ttnaaccccn	ttccactnnn	tngnnaantc	360
ntnnnttaca	tntctgtntc	cccaaaacat	ntcacgtaac	anttattcct	agggtgcagnc	420
tcnctatcnn	taggntcctg	gtngggccaaa	ttcctgggat	cangtgaagg	tgggctgtnt	480
cagtaanaan	tgaatggact	gnanagngcc	cattttacaa	ggaccatnct	tntctgggggc	540
aagccaataa	attatttncc	ctntttgggg	gaaaanaatt	ttcgganccn	taaattanat	600
ttcnggaaac	cnncccnaaa	gncttnattt	tcccnnnaca	aannttngng	ganncathtt	660
tanggggna	nnanaggngn	naagggtttc	ngttggnttn	gcccntaant	tcccaaggnc	720
ntngaaacce	ttatgggggn	accncattcn	ggataatttg	nnaan		765

<210> 4349

<211> 891

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (891)

<223> n = A,T,C or G

<400> 4349

gtctctcttg	aaancccttt	gctacttgct	ctttctgnag	gnaggcatcc	catcgattcg	60
ccnacgcncn	gngngcaggc	gggttgctna	tggngcncctc	ttccgcttnc	ttgntnaatn	120
actntctggn	ctngctcgnt	cngctgctgn	nancggaann	anctcnntct	aaggcggtga	180
tncnnatata	cacagantna	ggggataacn	cnagacngaa	cntgtgatcg	aaaggccaac	240
agatngccta	naaccgtaaa	nanganant	agcngnccta	tatccatang	ctngctgcnc	300
ntgactagca	tatcatanat	gtcactgtca	tgtncntncn	tngaaaagnc	cgtnaggntt	360
nttatgatac	nnggcnnntt	cacttggann	ccanntcaag	cncncngctg	ttacaatgct	420
gngctgaat	gnataccgt	ccnacntgnt	nnattaggna	acntgggatc	ncttctatnc	480
actgtnacnc	tcatggggtt	ttgggnaaat	gccccangnn	nngnccgna	ttccncccg	540
aagntttgng	gnatgttgtt	gnngaccgna	aaccccttgg	ncgttaccaa	ttggggggga	600
aanaaccttg	ttgggccttt	taaaccctcg	ggtaaaaacc	ttnatacgga	aatttttagga	660
gtttgnccan	atnccccggn	ggntnaaggc	cnnacccaat	tgtttaaatt	ccccccaacn	720
ttgncctttg	nnnnaanggn	ccttggtnaa	accgggggga	aattcccctt	ngaacancgn	780
antagggtng	ggcanggcnt	tttanaggga	ntccccctnga	aaagcggtcg	gnnggtnaac	840
ntttcgggct	ttgggggttg	acangnanc	tncaaattng	ggaaatcntg	g	891

<210> 4350

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (812)

<223> n = A,T,C or G

<400> 4350

tttnctannn	ntnctnnna	nnnnntggga	ncttttnctn	nctccannna	tncnanntgc	60
nttnccggtt	gggagtcagg	cctgggcagg	accctgctga	ctcgtggcgc	gggatctggg	120
agccaggctc	tccgggcctt	tctctggctt	ccttggcctg	cctgggtggg	gaaggggagg	180
aggggaagaa	ggaaagggaa	gagtcttcca	aggccagaag	gagggggaca	accccccaag	240
accatccctg	aagacgagca	tccccctcct	ctccctgtta	gaaatgttag	tgccccgcac	300
tgtgccccaa	gttctaggcc	ccccagaaag	ctgtcagagc	cggccgcctt	ctcccccttc	360
ccagggatgc	tctttgtaaa	tatcggatgg	gtgtgggagt	gaggggtacc	tcccttcccc	420

```

aagggtccag aggccctaag cnggatgggc tcgctgaacc tcgaggaact ccaggacgag      480
gaggacatgg gacttgctg gacagtcagg gtctacttgg gctctctcta nctccccaat      540
tctgcctgcc tcctccttcc nanctgcact ttanccctag aangtggnng acctnanggg      600
gaanggacaa gggcaaggng ggccccatga aaaaaaagcc cctcnnttgn ccnacacttg      660
ncttgannnn ctngcttctt nctggtggcc ccanangntn ggntttnncc aacccccact      720
gggatttntc tgcccnttgg gggngnnaact tggccccctt cctnggnntt ttgcccnnca      780
cnnnggcctt cnttggaac ctttgtcacc ct                                     812

```

<210> 4351

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (938)

<223> n = A,T,C or G

<400> 4351

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ntttctaaaa tggccctggg nccccctttt ccnaaaatcc cctttggggc tncctttncn      60
aaaaatcgcc tttgggcnaa ctccgnatnc ttatntggac angggaatcc catccgantn      120
tccgganatt tcggggccac cggaggggaa tttngtggnn ccatgggggc gggttacaat      180
nananagggg taantnacca ttgggatggg taaaatnana aaggggcaat caccattggg      240
acngttacat aaaagnnat cgctgnggca agccaccaa caattcccat nanggaaatt      300
ttnnagaact tttannggaa tntggcncaa attnttcaag ggcccnttta nttctcagan      360
caccccggn cttnttggat naatganggc tggcggnngn ntggagnaaa anngacccan      420
nttaaattng gnnaccnnaa tgaaagggtt ggcnncngaa tgaacccccg taccctnaag      480
gccgttantc cnaantngan acntaaaact nnacnaaaac cattgtctgg gnccaaactaa      540
tggcggaccn ttggccaacc taanntttta acngnncatn ggaccnaanc atnnaaancc      600
nggaacagnc ggaaaaanag gncgtganac tnnngataatg ncatcnggaa cnnctgaccc      660
tgnntttccc tatgangggc aaaaaaaagg cctccnaagg gttnngaccn ttttnattnc      720
cccnttncga nccaacgcnt tcattncccc tcncaggggg nntcaaanan ggccntcncc      780
ncntgnaaaa cgacngtccc ctggggcctt ttccaataan atnncncccc tttntnacc      840
ccnnnttaaa aanccgnggg ngaanaaaag tccccnnaaa aaatattccc cccnnncncn      900
tgncnacca ctnaatnctc aatnaaanc cntttcnc                                     938

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<210> 4352

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (938)

<223> n = A,T,C or G

<400> 4352

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ntttctaaaa tggccctggg nccccctttt ccnaaaatcc cctttggggc tncctttncn      60
aaaaatcgcc tttgggcnaa ctccgnatnc ttatntggac angggaatcc catccgantn      120
tccgganatt tcggggccac cggaggggaa tttngtggnn ccatgggggc gggttacaat      180
nananagggg taantnacca ttgggatggg taaaatnana aaggggcaat caccattggg      240
acngttacat aaaagnnat cgctgnggca agccaccaa caattcccat nanggaaatt      300
ttnnagaact tttannggaa tntggcncaa attnttcaag ggcccnttta nttctcagan      360
caccccggn cttnttggat naatganggc tggcggnngn ntggagnaaa anngacccan      420
nttaaattng gnnaccnnaa tgaaagggtt ggcnncngaa tgaacccccg taccctnaag      480
gccgttantc cnaantngan acntaaaact nnacnaaaac cattgtctgg gnccaaactaa      540

```

tggcggaccn	ttggccaacc	taanntttta	acngnncatn	ggaccnaanc	atnnaaancc	600
nggaacagnc	ggaaaaaanag	gncgtganac	tnngataatg	ncatcnngaa	cnnctgaccc	660
tgnnnttccc	tatgangggc	aaaaaaaaagg	cctccnaagg	gtnggacccn	tttnattnnc	720
cccnttncga	nccaacgcnt	tcattncccc	tcncaggggg	nttcaaan	ggcctcnc	780
ncntgnaaaa	cgacngtccc	ctggggcctt	ttccaataan	atnncncccc	tttnntnacc	840
ccnnntataa	aancecnggg	ngaanaaaag	tcccctnaaa	aaatattccc	cccnncncn	900
tgncnacca	ctnaatnctc	aatnaaaanc	cntttcnc			938

<210> 4353

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (599)

<223> n = A,T,C or G

<400> 4353

gnnnnnnnnn	ngnnnnnnnn	nnnnnnnnnn	nannnnnnnn	nnnnnnnnnn	nnnnngnnnn	60
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nncnangtgg	aaaancccg	nccnnnnnc	120
ngggnaaccat	cnnngncggg	aanccgaagn	ggaaggngan	tnccggggnnc	cggangaaaa	180
ncanggtgtgt	tggggggggg	gggcccgtatc	annngaccan	ggggngaagc	acttnggnan	240
agggagcaaa	gacacantat	gtaaaccnag	gaggaggaga	agaangcaaa	nnngcatgng	300
aatnnagnt	tgaagaancg	ctttttttgc	tnnccagcaa	tggtatnnat	gaacaacaaa	360
aatatagaaa	aagngagaaa	aaggcaanna	tnaantatnn	nctgaggaac	aacaacaaag	420
acaaaaaat	ggggggggat	tgatttantn	tcccctgaca	agaaaaagaa	tnngatcttt	480
agggngctaat	gcaacctggc	agactcactg	agggngaang	gaatgngctg	aaaaaattcn	540
agcctgacnt	ggcaagctcc	caangggaca	ccaccncaat	ggagaagaaa	gcaggaaag	599

<210> 4354

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (812)

<223> n = A,T,C or G

<400> 4354

ttncetaannn	ntnctttnna	nnnnntggga	ncttttnctn	nctccannna	tncnanntgc	60
nttnccggttt	gggagtcagg	cctgggcagg	accctgctga	ctcgtggcgc	gggatctggg	120
agccaggctc	tccgggcctt	tctctggctt	ccttggttg	cctgggtggg	gaaggggagg	180
aggggaagaa	ggaaaggga	gagtcttcca	aggccagaag	gagggggaca	accccccaag	240
accatccctg	aagacgagca	tccccctcct	ctccctgtta	gaaatgttag	tgccccgcac	300
tgtgccccaa	gttctaggcc	ccccagaaag	ctgtcagagc	cggccgcctt	ctccccctc	360
ccagggatgc	tctttgtaaa	tatcggatgg	gtgtgggagt	gaggggtacc	tcccttcccc	420
aaggttccag	aggccctaag	cnggatgggc	tcgctgaacc	tcgaggaact	ccaggacgag	480
gaggacatgg	gacttgctg	gacagtcagg	gttcaacttg	gctctctcta	nctccccaat	540
tctgctgcc	tctccttcc	nanctgcact	ttanccctag	aangtggng	acctnanggg	600
gaanggacaa	gggcaaggng	ggccccatga	aaaaaaagcc	cctcnnttgn	ccnacacttg	660
ncttgannnn	ctngettctt	nctgggtggc	ccanangntn	ggnnnttncc	aacccccact	720
gggatttnct	tgccenttgg	gggnngnact	tgcccccttt	cctnggnttt	tttgccnnca	780
cnngggcctt	cnttgggaac	ctttgtcacc	ct			812

<210> 4355
 <211> 819
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (819)
 <223> n = A, T, C or G

<400> 4355
 gcttnaatgc ttntctaatag cttggctatg cggatccctc gantcgaatt cggcacgagg 60
 acctatcttg atctggatag taaagtggagg acttttaaaaa agtttnttaa attactggga 120
 gaaatcatgg agcacagatt caagactttt cancatttaa aaagggtggtt ngnttttncn 180
 angcaanttn tntctngcca ncttactatt tcancggnc tatgningaaa aaatcaantt 240
 ttgccccatg antnanttan gnncgttacn ccntcncnng gagctcnagg acctgcctgt 300
 nangaccagg gctgggcctt gccaaaccan ggcaatgttg gggcncgagg ctgctgtgtc 360
 tgnccaagct nctntcagag tccaattccc cangcctaca gcgctgtcag cttgcaccct 420
 ggcatttca cagagctggc ttgnccaccc cantgggggg ctatannctc agagaccact 480
 tcatectent ggaatcnacc tcttttctaa taccntctt tggaaaaaag agcttgnccc 540
 ntntnnang caacactnng aagcttntgg gccntggtgn tgtaataatg gtcttnccat 600
 tnccgttgaa acnncantgc cntggttgn tgtntcgtc cagntgtcgn tgaggnaacc 660
 ttnggnattg cancntttan ggccccagn ntccaaangn atntncantg naancctncc 720
 ctatacccn cancccnan ttnanntaaa attnccnna aaaaccctt naaatatana 780
 aaaacncana aacttttgng ncctttanaa cttttngcg 819

<210> 4356
 <211> 913
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (913)
 <223> n = A, T, C or G

<400> 4356
 cccngcgann nncnncaeng ncngnccgcn gnancgnncn nngcgcggnn gcngncnnnn 60
 nccnnnnnnn nngnnnnagt gcancnatna gctcccggcg gacncagnnc cagacccnng 120
 nggncgaggg cgcgngcnag gnacnnnttg nmttcggtn tgncccnega gccgagngcc 180
 ggggcanagg ggnaagcncc ggncagngg ntgtngcnc angngngngc nngcgngcgn 240
 gggcgccctg gtncgcgcg gntaccnc ggngggagg agattncng ngngcgngcg 300
 aggcacantg gggccggagn agnanggtgc gcgncagg gnaanacng ctngtncgn 360
 gnggcnnggc cntctnggcc aaggagnccc nccnccgag ngggcgngna tccnggccc 420
 agccgnttac nagccnaat cnacnnnggn cccagaggcc cccggtccc naentnggcc 480
 cgaccggng ggncccccgn ggggggaatt tcnnngagg naanancggt nnggnaacc 540
 gnncgccccg tcaagagaac cggcncnnac nccaacagg gccnaagng ggcctagtna 600
 aacaaancc cagcccacc cggcgngang ggccnngnn gggngttacc ntatcngnc 660
 cnaagcccg gaancggaan ggggccntgg ncaaaaagcn angggttnnn nccccntng 720
 gccnnnang gccnccgng aaactnggg gggggngngn gncccaagt atncggngna 780
 agccctgnag gggggggann gtaaccctn nnnctcnta angaaacgg gggggncnnn 840
 ccccccca agggggggg nggnttnaag ggcganccca ncnacnctnt gctcnggaa 900
 nnaccccgcg cgg 913

<210> 4357
 <211> 745

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (745)
<223> n = A,T,C or G

<400> 4357
 tttctaaatg cttggcnact cgntctttct gcaggatccc tcgattcgaa ttcggcacga 60
 ggataggcca cattccagta agaactcaat ttgtctccca aatttgcaga aacaaaacgt 120
 gatttaaaag ctgagctttt tatcagaagc ttttttgatg ttttaagtgt tatgtgactt 180
 gttgaacttt ttaaaaagtg ctactttttaa aatcccagat actctgaatt ttagaaaaca 240
 aactaattct gatttgtgtc tgcccaagtn cccttttttt ttaatgaata nggaccaatg 300
 ccacattgct ttttatattt ctttcttttt taatgtngcc aaaaccaaaa gtagctttgn 360
 tttcctttgt attttgctac tttgcagtat ttgtgtgtgn ggttnttttt ccttaatttg 420
 aaaggacag cactgtgtat gtttataaac taaatgaaga tnagatatta ttttgntaaa 480
 cattcatctg agaacaatca angcagtagc ccatggngct ggctnctttg cagcannaaa 540
 ccntgnacat ttgtatgact gtacaacang gaagaacttt gaaaaaatca cgggtgggatt 600
 catattaccc accggnnttt catttcatgg gannctttct tgatcaaaaa aaagctnaccn 660
 tccgtaatnt nntnatttat cctttctgtt ntentaanaa aatatngggg tgtttttggg 720
 nccanaaat ggnaattttt gcnnt 745

<210> 4358
<211> 893
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (893)
<223> n = A,T,C or G

<400> 4358
 nnnnaanaan annngncana nncannanng nnnncnnncn nncannnnn nnnngntnann 60
 nacgnaanac annnannnag nantccnnn nnnccgcncg cgnnnnnnnn ncagnnnngcn 120
 gnagncacnc tctttnaaat cncttgccng agntccatgc angnatacca cgcagcgga 180
 ggacaccngg cgntggggnt cngtagtnn ggnacaggn ngggncntat ggcaganaag 240
 nacnagcan cnaccagag cgtaatgggn ggccganacn ggntggggng cagatnact 300
 gtnccaanaa agacggagaa ctggcagcaa ctgcangngg cgggtgntnn cnnncnncn 360
 nnattgcna gcatagcggc tatgtgcana ttgactggaa gagagttgaa aaagangnan 420
 ataaagcnaa aagacagant aagaaacgag cgaacaaagc ancaccngna ancaacacnn 480
 taattganga agcaacagaa tngatcaagc agaacatngn ganatccagn gggatntgng 540
 gggaggctnn nagctcggac ntgcactna aggacaatga atattcnccc anaaacggat 600
 ncaaactatg aanaacagaa gtgggcagcc antaaggcag nntctcaaaa gncatactcg 660
 ccaggantct ctanggcaag gagaaacaac cnnngtggac aattantcaa ttccaaactn 720
 tanccattat gccaanctgg aagcttggca aaactagnna tcngctngan aaaccaacct 780
 atatggggca tgcggaaccc ngangnantn ccccgngcaa aaacgnnngc tancaancga 840
 ntnagcanaa aanatggcnn ncngtnnaag naaacctngc cctaanaaaa ccn 893

<210> 4359
<211> 1837
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1837)
 <223> n = A,T,C or G

<400> 4359

cggggtttggg	gnttttttcc	nngmntgggg	ggnaaaacc	cccccttttt	tttttngggg	60
gggacanaaaa	gngancntnc	nctcgnngcn	cgngcngnnn	gcngngtgcc	tnanncgtgg	120
gcncgnntgt	gtggngntg	gncgtantgt	ncgctncggn	gcngcacaga	tgngcgnng	180
ggggngntnn	ngnngagnca	gtnangncng	cnagcnnnag	tgntnttttt	tngcnangnc	240
ggncnanggn	gagagntgnc	nnnngngggg	gggnatggna	gcaggngngn	ngcggggggg	300
ngnngngnnn	ncgngngcgn	naggaggnng	gnggggctgg	nncgggcgng	gnnncgcgcn	360
cngtngggccc	nnnngtncg	gngtgggggc	nnaggtggnc	gggggcaggg	gngttactgn	420
tttggcgcga	ggngngncca	nngcanggna	ncngagtng	aganngggcg	gcgnaagggn	480
ngtgganancn	nngtctngnn	gncggngnnt	tnagacgntn	cnnnnggang	agngtgagcg	540
ngnnggcngn	ngagnntgcn	cacgcagngn	nngggagcga	gmnctggng	angtatganc	600
gnggggcggg	ntgnnnngca	nnataggntn	nagtnggaca	ngcncnggtc	ngaggntnn	660
gtnnatngct	cgntnnnatg	gtgnnnngca	nnangtcgag	gngcgcgcgc	tnnaggaagt	720
gtgggggtgt	ctctntgt	ngggttangg	nngagnctn	mntnagagct	cgngggnng	780
ccnnnnagag	tgcnnncg	aggtggnnccn	gacgngccac	gangtncacg	ngngtntggt	840
gnaagcatgt	nggncgtnac	gcatcgtagc	cgntnngnng	ttgncggnac	gcctnnggg	900
gctcgancnt	nanngcgang	gannggggga	agggcngcgg	nccacggnt	ncnngactgg	960
ngtgngngag	gtctngtgcg	gtgggntag	tgngacntgc	agncntnct	cagganagng	1020
gngggactgg	tagctnacag	ctnngntatt	nggacggcgn	gcgannggtg	nnantgtgtg	1080
ncgngngnan	ggnggncgan	anantcntcg	cggntcntga	gacggagctn	gngagcggng	1140
gannggngng	agngngnaga	nntcgtgagc	naggagaggg	agcaggcgnt	gnnagcngng	1200
agnggggtgtg	cnnnangtac	agtgtgnagg	ncagagnncg	cgantnngga	gtncgcncg	1260
tntcggngc	tntgacgtgt	ntntcggnt	ngggggtngc	gtcngtgnnn	ncnggtntn	1320
nnnagggcgn	gnacgtgnnt	ntgtggggng	catagtatng	gcgctnnanc	nctgtcgng	1380
cgagaggtna	gtngtntgc	nncgcagngt	gngnagtga	nggcgggtgt	ngtgannngg	1440
ggtgtncg	tnagnggcgn	gggacgtgnt	gnganmtgcg	ngnnnaagca	cggagcngn	1500
gnntcgcgcg	gcgagacngg	agattnngan	gngaggcnc	ngcncncgg	aggtangcgg	1560
tcntngagga	gcnnnggta	tggtngcgca	ngcgtntttg	ngcgcntngt	gactgggagt	1620
ncgctntngc	gntagagtac	ananggaatg	tnatctntcn	ggnacgggat	gganacngnt	1680
ggnganagct	gcngnctcga	gggacanatg	gcgcgcggtc	ggnagnagt	ngngnagcgc	1740
ggacnggggt	ctgagacgcg	nnggtggggg	nnttnganan	gtannngcnt	gngngnggag	1800
nnngnntgat	gcngggagcg	gngtatatna	tggngnt			1837

<210> 4360

<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(842)

<223> n = A,T,C or G

<400> 4360

gtnaccccn	gcntttctaa	tgcttggcga	tcgnactntn	tgcaggtatc	ccatcgatnn	60
gaatacngca	cgaggcgagt	caaantgtnt	ntgnnagcng	anctcctnnc	gggaccngng	120
ngcngngntg	ncnntgatgc	naggggtggtc	atgtnnnnca	ncaangccnt	ttttgntggc	180
cnccnctttg	ntgaangang	gatgtggaag	aatgagcttg	atncttgtna	nntgccnaat	240
nngatggcca	anngattgta	tagacnctcc	catatggtga	canaccaggt	ntcancttaa	300
ntgaatgtac	tcannnnncn	ngnccntcnn	nnntcnagnc	nccttncttn	gnactntann	360
nntctntatn	tttatganta	cccntantgt	ggtgcnnnct	tgagggggan	acanatccta	420
tgntcatncc	cngnnancta	cttttggncc	nccagatccc	catgnttttt	tccatgcnct	480

gncaacttgn	atctnttaaa	tacatagggg	gtgnacgn	gtataantac	naactcttct	540
nggggtgntgn	nganaantnt	gnccangcct	gatntcantc	tcangtggtt	agttaaaacn	600
attnnnnata	cacctttttt	tnaccntttt	attggggctn	aaaaaaaant	tnctgtcccg	660
tttggaann	tnngnttgnc	cctttttntt	ngnancaatc	ccngaacctt	ngntaaataa	720
ntanccctcn	tttgaanata	ntggannnng	cnccttntcc	ntcgtttttg	gtcgcnggga	780
anaaaaaaag	gnctcntttt	tcntngggat	tntntttggg	ggctcntngg	cctttntttt	840
nn						842

<210> 4361

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (766)

<223> n = A,T,C or G

<400> 4361

ggntttnnnnc	nnnnntttt	nnnagagccg	gnnnnnngnn	nnttnanaat	agncaggcta	60
cttggtctttt	ttgcaggatc	ccatcgattc	gaaacaacgg	agttctcttt	tctgaatctg	120
caaaaaaggg	tactcacttt	gtccagttat	gctgccaaag	aaatattcct	ctgctgttcc	180
ttcaaaacat	tactggattt	atggttggtg	gagagtatga	agctgaagga	attgccaagg	240
atggtgccaa	gatggtggcc	gctgtggcct	gtgcccaagt	gcctaagata	accctcatca	300
ttgggggctc	ctatggagcc	ggaaactatg	ggatgtgtgg	cagagcgtat	agcccaagat	360
ttctctacat	ttggccaaat	gctcgtatct	cagtgtgtgg	aggagagcag	gcagccaatg	420
tgttggccac	gataacaaag	gaccaaagag	cccgggaagg	aaagcagttc	tccagtgtctg	480
atgaagcggc	tttaaaagag	cccatcatta	agaagtttga	agagggaagga	aaccttact	540
attccagcgc	aagggtatgg	gatgatggga	tcattgatcc	agcagacacc	agactgggtct	600
tgggtctcaa	ttttagtcca	gccctnaacg	caccaataga	gaagactgac	ttcggnatct	660
tcaggatgta	actgggaata	aaggatgttt	ctgttgga	tgtactgaaa	attaacacat	720
gtngtancct	taaaatttta	gactttctcg	acatgaggct	ggtacn		766

<210> 4362

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 4362

tttgaancct	ttgaaaccct	tttgcatttg	aaacctttgc	aannccgctt	tttgcnggac	60
cccatcgntt	cgaattcngc	ncnanggcaa	cttttnggaa	ttcntacngt	tgangactgc	120
canatgaana	cctactttca	actncttttt	ccccctcta	gaagaatnaa	atcgatctt	180
ttacttacct	ctggcnaaan	aaagaaaaat	gaaaaanagt	catttattca	tnctgattct	240
atntancaaa	actgantgnc	aaaagtgcct	tcngtccaca	cacacaaant	ctgcatgtnt	300
tgggttggtg	ntctgtcccc	tnaagaacaa	gctacacatc	atggntacan	tataaattct	360
cgatctacct	taangatgag	gactccntnn	agaancattt	gctattgatt	aatacactgc	420
ttnggcnnng	nagttnanca	tnctgacagn	ntgtctanag	accacanang	ggccttttgt	480
ttaanganga	atgatgntta	nactnttttn	aaaacctata	aaatgggncc	nttttnactt	540
tgttnacant	naaangcata	agtnngncnc	tggncantac	cnantatnaa	aatgtctanc	600
ttnggnaagc	ctcatgaaan	gngggagnng	tagaccgtaa	tactggccca	aaggngngag	660
actttaactt	ctgtgcacnn	cctgggnncan	accacctgcn	nctgcctnta	tgggttnacg	720

agctnntaga cagaagaaca gtttgc

746

<210> 4363

<211> 900

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(900)

<223> n = A,T,C or G

<400> 4363

tcttactttc	tttttngaaa	cccttttacg	caaggatccc	atccgatttc	gaattccggc	60
acgagcagag	nagccctttc	ccagnaaagc	ctggacaccc	gtgtctttat	ttngnnagcn	120
cgtgctagtt	gcttttaact	ggccgacagg	tggttggtat	ttagcccctg	aattataagg	180
aaagatagga	cagaataaca	agcaaaaggg	gtccgatggg	ctcaccactc	aacgctaggc	240
gaaggtctca	cgttcggcg	ataggcgata	gtctcaccgc	tcggcaattg	tctcaccact	300
tggtgataag	tgaangtccc	ttcgtgggtca	ccaaaatgtg	tncagaattg	gtgggttctt	360
ggtctcactg	acttcaacaa	tgaanccacn	gacactcgna	gtgagtgtta	cagttcttaa	420
aggcagcntg	ttccggnagt	ttngttcctt	cctgattgtt	ccatatgttg	tttcannaan	480
ttccttctct	tctngntngg	gttcctctng	tcttcgccnt	gggetncaag	ganatggaaa	540
ncctgcaaaa	ccctttcncc	ggtnaaaactg	ntttaccagc	ctctttaaaa	tttaggnccn	600
ccatttttgg	ngangtttng	ntttccnttt	cccttcccn	attngmggcc	ttccnctngg	660
gccttctcct	tnggcccntt	ccanggtaat	tnaaaaacct	tnnnncagan	ccttttcmnc	720
acttgcnanc	ttgttttnac	aaaccttaat	tnaaaaggcc	ccttggtcng	aaccccccaa	780
nnaagtggaa	nccnnttnnc	ccaaanaatt	taatttngcn	aaannaacca	atanntaacc	840
canaccttn	tcaccancnt	gttttcnaaa	ggggtanccc	ctaatecnnn	atttgcncnt	900

<210> 4364

<211> 1565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1565)

<223> n = A,T,C or G

<400> 4364

ttttngnnt	annnganncg	annnnnannc	tcaacnnggg	gggnaaaaac	nccccacgg	60
nnagggccag	ggggnaancc	ccaaacnngg	aaaaccggg	aaaannnacg	gggcnaacgg	120
tagggggngg	gngggggccc	cgggncnctg	gggggggggc	agaancaaan	ncaagcanac	180
nggggttttt	ttttttttna	naanngggnc	cncnacaggg	gcggnggaaa	ngccacacgn	240
gggggggggn	ggggnagtnt	gtggtctgaa	aaaaggncnn	nggggggggg	ggctactnaa	300
aagccangag	cnacangann	cnagnnaacn	cgganacang	ggnacanngc	nnnanaggaa	360
nccnncnncn	gagaaggccg	gnanngccnc	gagngnagnc	gcncnacgag	nnccaccngc	420
nccaaaacan	cnnncnacca	nnangnngnc	nnnaaanaan	angaangcgc	aaacanaacn	480
acgcaacgcn	anananaann	aaagnnngnc	ngaancgnnc	nncncnaacn	ncnnacacna	540
ncgggnaaga	nnganggnng	nnacacnaaa	acnagnngcn	gngaganaan	ncagcannga	600
gnnnnagcng	acncagnacc	ncacnacaaa	gncanagggg	nccnacannc	nanaaaaana	660
nacgnaagnc	ncanacacnc	aagancnatn	gaaaaacacn	nccccaanna	ncaacaanna	720
ggataccac	aagcaganna	caccanncna	nncccnacnn	anacgccag	nangnnacaa	780
tagacacnac	nagcgnnanc	anaganaacn	cncnngctna	gnncgaanaa	nnannagnnc	840
aagacggacg	ngaaancgac	acaangnnnt	ncacacaaaa	ncncaagnag	actagaggan	900
ncgancacng	atacagacaa	cacacagnac	gcnnnggcag	agacaannna	agnnnngnaa	960

gacgcganac	annacagna	nnncgcncan	cgangannga	cgngacacna	canagnngna	1020
cacatngaag	cgacnncaga	cngagmgcnn	aagnananga	agcgnaacga	nnngcanana	1080
nanagacana	acagaggagn	gagngnacca	gcanacacaa	gnnaaanaga	gcannnacn	1140
aaccnacacg	tnnacacccg	gggcanagng	agntnnacnc	nngagngcac	gcgacanaga	1200
gnaggnacac	acacngacaa	nanancgaca	cagacnggac	cnnagacang	agagngcacg	1260
acaaanacnc	gnnncgcagn	gacncnccag	nacancgcga	acacgacggn	gacnngagaa	1320
anagaaanac	aagacanang	ncnaaananc	aacaganaag	ngnagacnca	nacananaga	1380
ntngngacan	atccgacaga	gacacganac	cncaanaacng	acgcgngann	agnnannngag	1440
aagnnnnccn	gcgcgcagcn	nanannngna	caantcgnaa	cgangagagc	gccggangag	1500
angagcacac	acaacancac	ntnnnacnac	agcgangaag	aganacngna	gncnagagac	1560
agaat						1565

```
<210> 4365 .
<211> 1052
<212> DNA
<213> Homo sapiens
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```
<220>
<221> misc_feature
<222> (1) ... (1052)
<223> n = A,T,C or G
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<400> 4365						
tncgtgtgt	cccttgnaa	tccnaaaant	nncttgccat	cgnannntng	cgacnccgag	60
gcaccgactt	cangcnnggn	naacncnngn	ngangacnnt	ganngttttt	gacagcnnac	120
ngnganctng	ancacgtngg	ggnggcngna	gaaatgcacn	cncgcncnca	gnacgctnan	180
gnngntacnn	nacttgangn	anaagnnnaa	nnnacccgcn	naacagaaaa	cgnnnnnggtc	240
ngacgccant	ncaggcnngn	anananactg	anganagana	nannccnggg	acgntcnnnn	300
canganagn	nnnnggacat	gannacnnna	gnaagggcng	nnnannnnna	canaancngn	360
nnnanacnna	tnngcanna	gcnanngcnc	acctntnaca	cnaagnnaga	nnaaccgcgc	420
gngantngac	ccanancaat	nanncnnnnn	gcttactcn	nagnngcanac	ntgnntaaga	480
cggnagcanc	ccnncnatcn	cgacaggccg	nnncagagag	gnatctctna	cgacacctag	540
cgcatacnta	nncacnanac	aggncggagc	agaagatcnc	tnannancna	nnntnatcnc	600
ncnnanaaca	tgccgntntn	naccctnnn	gtcantntga	cacannanag	tacgataaat	660
gntccagacc	gatagagcna	nctctncac	gntnngnngg	cnnngngtaga	cnccaaagcn	720
acngnancgc	atntacgnnn	agnnngcntn	actncaannn	ngctnacncc	gtacgacagc	780
accantnnan	tgngtcgmn	acaacngng	nnctggannnn	tnggnaaang	annncntat	840
gtnnnnnccg	cntcnngaa	ntcgaaagct	ggncntngcn	nncgnnnggn	ncnancnna	900
nnannacnnn	gtnancngn	ncgaannnat	annagnattn	ancnttcncg	nctanctnca	960
cgntnngntg	cnacaccagn	ggntntnncn	nngatnaanc	nantgangag	tccgcggnan	1020
nnnncnnaann	nnnagcncnn	nannccnnnn	cc			1052

```
<210> 4366
<211> 714
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1) ... (714)
<223> n = A,T,C or G
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<400> 4366

gntctctatt	nnaatcgctt	ggctactcgt	tctttctgca	ggatcccatc	gattcgaatt	60
cggcacgaga	gtgtatccag	atctaagtaa	tctcagtga	ctatacattg	cctaaaaagt	120
ggttttgtaa	tgatttgtag	tcacatttct	attgggatat	gtagaagaaa	aggcaaaatg	180

cttaaagttc	cttttatttt	ttaaaagcag	ctagatagac	acagacttgc	cacctcatac	240
atctgctcct	tggcaacatc	aaggggaacg	actagccaac	atgcctatgg	ctaaaaactt	300
tcctttgcag	actaaagcac	tgcttggtgc	ttcgtttttc	tacccttcac	aacatgtgtg	360
atttcatcta	agagatatat	acatgtacac	atgccctttg	tttccacctg	gatacaagat	420
cactcatagc	taattaggac	cattgttttt	tgttcatctg	tcttggtgca	tgaagggaaca	480
ttagacccat	ttccattaaa	ataagttctt	ggtgataaac	tgtggcactg	ctacttcttt	540
ttaaatccac	tttatgattt	caagatggac	acttgtaaga	tgactcgaca	taaggccatt	600
gcctggaagc	cccagagctt	tcctctgttt	gtatggcccg	ttcatgtccc	aggcattgca	660
acacaaactc	aagatttcac	cacaacatga	caagcatttt	cctactgata	ttag	714

<210> 4367

<211> 685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (685)

<223> n = A,T,C or G

<400> 4367

gcctcacgct	nntgtacttt	ngttgctgtg	ttgctgtgct	gtgtgcnct	nngatntgac	60
nactacacnn	nncnaagggtg	cccngcctcc	tncnngatng	tngnaagnat	acttgacata	120
tggagngnga	ttngnctcng	ccnangtgaa	anngattgga	ntnatncnna	tgcgggggtg	180
gaaaanacnt	gnngggggnna	tatactgtga	cngtccgcca	cataaatcgg	tngccatatz	240
aactatngaa	gyctgggttaa	ngacntannc	tggtacnana	atngctgatg	tanatgnncn	300
anntgnngna	catanatctg	gntgtcaacg	natatnnnaa	tntcnnggna	cngngaactn	360
atnctggngt	gcncacagag	ctctcnngat	ttacttatca	ctatnanata	tggggtantg	420
cggaactcta	ngcanntant	gcttcacntn	atnttgnaaa	ancatatggc	atnntcantt	480
tgcttgtaaa	gcacttcatt	cttaactgct	cctnaggann	ggtnttcenc	ncaanggnat	540
ntnaaaaaanc	agntttgntt	ccttngntgg	cgnaccnant	nnttgngann	tcttccccag	600
ngnannanaa	ggttacttna	ggttccannc	ctcntntnaa	nnenttataa	tgaatnnncn	660
ctnaaanaaa	annnaanntn	nctnt				685

<210> 4368

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (720)

<223> n = A,T,C or G

<400> 4368

tccttttcan	ttcactnnct	tttgttcttt	ttgcaggatc	ccatcgattc	ggtgggaact	60
ggctcaggct	ggattactct	tgctgctgtc	ttgctgtntc	gtatgccact	gggatctgaa	120
cactaaacat	tgctaagaaa	cccacccacc	accaggatat	ttggaagtaa	cttcacatat	180
ggaaaagtta	aagactcagt	ctctgagaaa	acaattggac	tgatgcgaat	gcagtttttg	240
aaaaaaactg	tggaagatat	atactgtgac	aatccaccac	atcagcctgt	ggccattgaa	300
ctatggaagg	ctgttaaaaag	acataatctg	actaaaagat	ggcttatgaa	aatcgtcgat	360
gaaagagaaa	aaaatctgga	tgacaaagca	tatcgtaata	tcaaggaaact	ggaaaattat	420
gctgaaaaca	cacagagctc	tcttctttac	ttaacactag	aaatattggg	tataaaggat	480
cttcatgcag	atcatgctgc	aagtcattat	ggaaaagcac	aaggcattgt	cacttgcttg	540
agagcnacac	catatcatgg	ggagcnagaa	gaaaagggtg	tccttcccat	ggatatttgt	600
atgctgcatg	gtgtttcaca	agangacttt	ttaccggagg	aaccaagntn	aaaatgtgag	660

agatgtaatt atatgacatt gccagtcaaa gccacttgc cctaaagcat gctagncctt 720

<210> 4369

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 4369

ttanttncat cagctcttgt tctttttgca ggatccctcg attcgaattc ggcacgaggt	60
tttnnttttt tttttttttt ttttttttn ggggtacggn agcactttta tttttcctta	120
cacaatgacg tgttgctggg gcctaattgt ctcacataac agtagaaac caaaatttgt	180
tgtcatntnt tcaaagaatc gagaattgng tacaaaaaa accttacata aattaagaat	240
gaatacattt acaggcgtaa atgcaaaccg cttccaactn aaagcaagta acagcccacg	300
gtgttntggc caaagacatn agctaanaaa ggaaactggg tcctacggnt tggactttnc	360
aaccttgaca gacctgcaag acaaaacaac tggttcttgc cagcctctaa agaaatccca	420
gaacactcag ccctgacacg ttaataacct gcacagatca naggtctgtg gccacagac	480
tcaccaagcc acagacttgt ntttcacaag cacttntta ccttagccac gaagtgccaa	540
gccacacgtt ctaaagggtg aactcaaaga tatgtacagg gtnttaaaca aatccaaggg	600
gaacagttaa cttcaataca aggncaaat cagcacaagg tntacaatnc agngctgatt	660
taaatacaag ctttaanggc aatttntttt tgaangnttt ttccatttcg ngaggntngc	720
catgangngg gtgcattttg ncnnngggca aatttntntt ttcaattaan ccatgccaga	780
aaangctccn catttgntgg gtcggttn	808

<210> 4370

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(726)

<223> n = A,T,C or G

<400> 4370

ggnttttaag atcagctact tgttcttttt gcaggatccc atcgattcgc cagtccatgg	60
gcaattggca gatcaagcgc cagaatggag atgatccctt gctgacttac cggttccac	120
caaagtccac cctgaaggct gggcangtgg tgacgatctg ggctgnagga gctggggcca	180
cccacagccc ccctaccgac ctggtgtgga aggcacagaa cacctgnggc tgcgggaaca	240
gcctgcgtac ggctctcatc aactccactg gggagaagt ggccatgcgc aagctggtgc	300
gctcagtgc tgtnngtgag gacgacgagg atgaggatgg agatgacctg ctccatcacc	360
accacggctc cactgcagc agctcggggg acccgctga gtacaacctg cgctcgcgca	420
ccgtgctgtg cgggacctgc gggcagntcg ccgacaaggc atctgccagc ggctcaggag	480
cccaagggtg gcggaccat ctcctctggc tcttctgcct tcagtgtcac ggtcacttcg	540
canctaccgc antgtggggg gcanatgggg gtngcagctn cgggacaatc tggttaccgc	600
tcctactctg gcaactccag ccnngaacct aacccccana actgcagcat catgttaatc	660
tgggacctgn caggcagggg tgggggtgan ncannanann tnnnangnaa attttncttt	720
taaant	726

<210> 4371

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (767)

<223> n = A,T,C or G

<400> 4371

tggggggtttt	atanncagct	cttggetttn	gcngttnnag	aganngctac	tnngnctnna	60
gncgagctct	acatncanaa	ctnatcaatg	ctgatgtggc	taaataccta	gcctttttaca	120
tgngtgcctc	ttccaggtct	acatcatttt	atttcctttt	tctttgtctg	gtgggtttttt	180
ntttttgagg	caggagaatt	gcttgaaccc	aagaggcgga	ggttgtgggtg	agccgagatt	240
gnaccttngt	actccagcct	gggcaacgag	caaaaaactc	tgtctcaaaa	aaanaaactt	300
gcacntgatn	aaaaanggtt	ttcatgacnn	agcatgcnc	ttnnctggcg	gacatttccn	360
gaancagacc	ctgttantcc	ttnnacttac	ctgctggatt	tttnaagcgc	taaattttata	420
acttntttga	aacaannact	ngtgtaattt	tnccatttgg	gggcaaaactn	tattcntgtg	480
ancattattn	aatcttggnt	gtnaatntat	tganancccc	ttaatanntg	caatgggtca	540
aganaagctg	ccacggngtn	atnatcctct	ttanattggg	cntccantat	tantgatgca	600
ntcatgacct	ntgggtttnac	ntgtntggga	tggggccaat	aaatgnatnc	ttcaagcnng	660
ncaaaaaaaa	ncccnngatt	ttgattcnna	nngggnacnt	ggnggtttnc	tgacttttac	720
cntaaattac	cttngtntgg	ntcttcattt	aaaaanaaaa	cgcntnt		767

<210> 4372

<211> 830

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (830)

<223> n = A,T,C or G

<400> 4372

gcttnanccc	tttccatttc	caatnntttg	gctctcnctn	aaaccctttg	gancccntcg	60
attcgatnnc	ggcacgaggg	ctaacttgcc	ttgttnnact	atngatgttn	gngtcctgnn	120
ttcttaacac	tttaagcagc	tgntctcacc	ttaaaggctaa	tagttntaag	taagtatctn	180
tttcttttta	taatttaaaa	attaaaaaat	ttttaattaa	ctgtttttta	attaaaaaaa	240
attattaatn	atttntaata	gacaggatct	ngctatgctg	nccaggctgg	tcttgaactc	300
ctgggtctca	gtgacctccc	tgccctggcc	tcccaaagtg	ctggtattac	aggtgtgagt	360
cactgcacct	ggccaagttn	natncttcag	gntacattnc	ttcagccact	tcaatcaaac	420
atnnaattaa	catgctataa	tgaatgacta	tncttaacta	ggctaaccac	atgaaggcct	480
ttggnaactt	acctntagtt	acanccttca	cttctttttt	tttgngaagg	gaaantnnng	540
ggnnccggaca	atactcctng	nantnaacta	tngttaaccct	ttncntngac	tngaattaa	600
nngggaaatt	nggggaaant	aattgnagaa	ntgaacnngc	ttgaatcnaa	nannantcaa	660
tanaccttaa	tagncaantc	ntnttaannc	cccnaatcnn	ttagnccctnt	ccaatttggc	720
cnanaagnta	anancncccc	cnggcctttt	ngccccaatc	nnnaaattcg	nnatnaaaaa	780
tnaaacccct	ngccttttaa	nggggnacctt	tnacacgaan	gggggaaann		830

<210> 4373

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (733)

<223> n = A,T,C or G

<400> 4373

gtnttttcaa	anntnaggct	cttggtcttt	ttgcaggatc	ccatcgattc	gaattcggca	60
cgagggtctcg	agtttttttt	tttttttttt	tttgaggag	ataaaccaat	tttatgtcta	120
tcattgttata	caaaaatcta	gaaataatag	atgtgtacag	aaaaaaatga	taataaatga	180
gaacacaaaa	catataattt	aaatttggtg	ttttttcccc	catgatatta	ggatgataat	240
catttcaaag	cacatgtcta	gcttcagagt	aggatttggt	cactggccaa	agcctgccat	300
gaaactatgg	ctttcagcat	ctgtctgctc	tactggctct	tgacaaaact	cttgaggnet	360
tcaagaaaag	taatgtactc	ctggtgctcc	agggctgtgc	tgagctccac	cagctcatct	420
gcaaaagtgt	tgtccacccc	tcggtcggca	aggaaatcca	ttangtggtc	atataaggcc	480
cagtccaagg	aatctgtgtt	gagtgtataa	ttagtaccct	tccattcaga	ctcgccagtg	540
gactgaaagc	taacttccct	gatagagaag	atgtcctctc	agcctcgctt	cttgtccacc	600
tcacctctcg	gataatgacc	gtccacacaa	gggccctttt	gccatcatca	ttctttataa	660
cttcaccccc	gaaatttggg	aagttgatgt	cagttcaggc	tcctgnnctt	caaccttctg	720
gccttgncga	ngg					733

<210> 4374

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(779)

<223> n = A,T,C or G

<400> 4374

tcacagtttt	ttntccccg	aancgttnga	aaattcctgc	aggatcccat	cgattcgggtg	60
gaactggctc	aggctggatt	actcttgctg	ctgtcttgct	gttctgnatg	ccactgggat	120
ctgaacacta	aacattgcta	agaaaccac	ccaccaccag	gatntttgga	agtaactgca	180
catatggaaa	agtaaaagac	tcantctctg	agaaaacaat	aggactgatg	cgaatgcagn	240
natggaaana	aactgtgnaa	gatataact	gtgacaatcc	accacatcag	cctgaggcca	300
tngcactatg	gaaggctgnt	aaaagacata	atctgactaa	aacgatggct	ttntgaaaat	360
cgtcnmatta	aanggaanaa	ananantctn	ggatgacaaa	ancatctcgt	aattatcaan	420
ggaactggaa	aanttatgct	gaaaacacac	aganctntct	tctttactta	acactagaaa	480
tatanggtat	aaaggatctt	catgcanatc	atgctgcaag	ccatattgca	aaagnacaag	540
gcmtgtcac	ttgcttggan	agcaacncca	tattcatgng	nagncanaat	taaaggggct	600
ncnttcctna	tggaatatte	cgtatgctcc	nattggggct	tncncaatga	angacntttt	660
tntncnggat	gnaaccanc	tatnnnaann	tggtntacaa	cannntatat	nnnttnnaac	720
ntttnncccn	nccanancn	acncttggc	cncctaaaa	agnantgctt	ctngtcccg	779

<210> 4375

<211> 1165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1165)

<223> n = A,T,C or G

<400> 4375

annaaancac	acnnnccaca	ncaanaaana	canncanana	nncnannaaa	cacaanacna	60
accnncnncn	cncncnacaa	acnnncacan	ncnncancnc	ncncaannng	cgngcttcaa	120
cnnatggnaa	gccttnggcn	acacgnanna	acagcncgna	ancnacgna	cgcnccnann	180

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cngannnaan acacccanan nacacgagag agnnancnaa cacnannana cnnacccgcn      240
ccnanaaaanc nggncnnga cgangccgac gnacacanc acaaaacncg acaacccna      300
acaaaangca aaacgcgnaa aganccnang acnannaaaa agncgccang anancaacna      360
gnacacacgg acnaaccngn accngcanac ancnnnccac aaaccncgag agcnaccccn      420
acgcagcanc ncnnccgcaa annngnannc nacacncna gccccagann angaaccag      480
cancnnaan cannnngcnc nacgaacaac aacnnanana nnaaccccca gacncacaca      540
accagnnncc nacnganac gncnaccnc accncacngg aacaananaa ccaggccncn      600
aanagcgnaa acaacccaaa aagnaccccc ccncanacan caacagnana cacacaccn      660
cncgggacaa ncanacncac nnaggaaaac cccaannngn gncaaatnan anccccaca      720
acacagcacc aaaangccaa ncnccaaaac aaggcgnaac nacnncagcc gcgacgacac      780
aaacaccacn naancnnaan cannnnncag ggncaaacan ngcaaaanng nnggcgacac      840
actanancng ngacacccca ananaatnag ccccgangan cgacacanna acagcgagcc      900
gaanccggna aanaaacgna aaaaccnggc ncaccnacca ggcacnaccn caacaccacn      960
gcaaaaaacc ancncccnaa tcnaaacacc ccaagaanng ncacacacng nncacaaang     1020
naccncnna anaagggcca anngccccan gaaccccca cancnnnncc ncangaanaa     1080
naggncccna cncanggccn acnncanga cacacnacc caagaannca ccacagcnag     1140
anaancanca cccancann gaanc                                             1165

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```

<210> 4376
<211> 725
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(725)
<223> n = A,T,C or G

```

```

<400> 4376
tttnacactt tngcnacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag      60
gttttttttt tttttttttc acgcttaatt cactttattt ttcttgata aaaaccctat     120
gtttagacca cagctggagc ctgagtcgc tgacaggaga ctctggtgtg ggtcttgacg     180
agggtgctag tgaactcctg ataggagac ttggtgaata cagtctcctt ccagaggctg     240
ggggtcaggt agctgtaggt cttagaaatg gcatcaaagg tggccttggc gaagtggccc     300
agggtggcan tgcagccccg ggctgaggtg tancagtcac ngataccagc catcatgagc     360
agcttcttag gcacaggtgc ggagacgatg ccagtgcacc tgggtgcagg gatgaggcgt     420
accagcacan agccgcagcg gcctgtcacc ttgcaagggg cagtgtgggg nttgccgatc     480
ttgttccccc agtagcctct gcgcacgggg acgatggaga gcttgccag gatgatggcc     540
ccacngatgg cgttggnac ctctggggag ccacttaaca ccanaccga cttnggccaa     600
aanggcctta aacggtaaa aaggccnctt tnnttgccgt ttttnccnat aggnattcntg     660
ccccntgna cangctttna caaaaaatct gnnntttatt tanaagggtg gnaaccccc     720
cnng                                                                    725

```

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<210> 4377
<211> 725
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(725)
<223> n = A,T,C or G

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<400> 4377
tttnacactt tngcnacttg ttctttttgc aggatcccat cgattcgaat tcggcacgag      60
gttttttttt tttttttttc acgcttaatt cactttattt ttcttgata aaaaccctat     120

```

ggttagacca	cagctggagc	ctgagtcgcc	tgcacggaga	ctctggtgtg	ggtcttgacg	180
aggtggtcag	tgaactcctg	atagggagac	ttggtgaata	cagtctcctt	ccagaggtcg	240
ggggtcaggt	agctgtaggt	cttagaaatg	gcacaaagg	tggccttggc	gaagttgccc	300
aggggtggcan	tgcagccccg	ggctgaggtg	tancagtcac	ngataccagc	catcatgagc	360
agcttcttag	gcacaggtgc	ggagacgatg	ccagtgcgcc	tgggtgcagg	gatgaggcgt	420
accagcacan	agccgcagcg	gcctgtcacc	ttgcaaggga	cagtgtgggg	nttgccgatc	480
ttgttcccc	agtagcctct	gcgcacgggg	acgatggaga	gcttggccag	gatgatggcc	540
ccacngatgg	cgggtggncac	ctcctgggag	ccacttaaca	cccanaccga	cttnggccaa	600
aanggcctta	aaccggtaaa	aaggccnctt	tnnttgccgt	ttttncnat	aggnttcntg	660
ccccntgna	cangctttna	caaaaaatct	gnnttttatt	tanaagggtg	gnnaaccccc	720
ccnng						725

<210> 4378

<211> 1050

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1050)

<223> n = A,T,C or G

<400> 4378

nnnnnncccn	nnnnnnnnna	cgnnngcgccn	acnncnngnn	gnangcgccc	cnnngcaccc	60
ganangnacn	cnnncagngg	cntncnnncan	angacgnggg	nnnnnnncaca	nnacnncngg	120
nacgngngcn	ccgangnnnn	gccgncncng	cnnncncggg	ngccccnttn	gaaacnctng	180
ggaaatccga	cacnccnctc	gngancagcc	anaccnncac	cgncggggga	ngcnnaaanc	240
nnacgggcan	ngngncgngn	anacnancnc	ggnnncgcnn	ggncnggaca	cgnacgncgc	300
ccnccngncc	cnngcgcgcn	cangngaaag	ggngccgngg	ccnngncggn	cnacnncgc	360
cagnnanncc	ngnnccgcnng	cacngnnccc	ngccgcncnc	nnnccgtcncc	acnncnccgc	420
nnancngcn	cggncagntn	cgcagagcna	ngcccgcgaa	gaaaaccgcn	ngcgngngcg	480
cccacngggc	acnacgccag	cncnccnngc	ntagnngnca	nacnnanccg	ngcgngngng	540
ncnnncannn	gacanangcg	caccacggcg	gcnaaggccna	ggacgaanng	gcgaccnngc	600
gagcncanga	nnancgggna	tngccanaac	cncaacggcn	ncngnnacgc	gnnacngggg	660
cnaatncaat	cgcnnganan	gacacancag	nagcgctgc	nnnccgcnan	ncggnacact	720
cacacnncac	cnngngccct	caagnagacc	gccantngcg	ngnnncaaag	cangcannng	780
accatanngg	naacaggcac	aangggcanc	gcacnanggc	nnccngggann	caccccnata	840
gcnacggggg	agcangaacc	aaggggcggg	cccgtccnna	nggcnnaaag	cggncaggct	900
gcacnggncg	gncncannaa	gacggnacnn	nnnnncaccg	ggagggaccc	accgcncnc	960
acnggggggn	ncnanggnen	ccacagggga	cnngnccgcn	nncccnagn	ccnccanggg	1020
naccgnaaan	ggnaaggcct	ggggggcccc				1050

<210> 4379

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(731)

<223> n = A,T,C or G

<400> 4379

tntcaatnct	nggctctcgt	tcttttgagc	gatccctcga	ttcgaattcg	gcacgaggta	60
ttcagcttgg	ctggagcaga	ggcaggagtg	gggaactggg	gacnggtgan	actagaggtt	120
ggcngaaacc	agccatagta	gtttttgcct	catttgagaca	acaaggagcc	atccaagaga	180

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gagcggtgaa gctgatgggtg acacagccat ggcgcattga aataccccca gtggctgtgt      240
tgtaggggtat attgggttgg ggagggacaa ggtcaggagg catagactcg acatcatctg      300
atgtgattca ggacagaatg gcgagcctga agtgaagtgt ctgtaggata agttggaaag      360
gaaggaacca atatgagata ttaaagaagt gaaagctata ggtcccagtg ccttaataaa      420
ggtaaggagt aagagaagat tcgagattga ctcccagact ctccagtcctg ctggacatgg      480
gagatggaat agaagttgat ctcggtgtgg tcanaggaga gcagtttctg tgttgagcat      540
ggatagcctg cgntcccca gagangagt tccagctgnc ttgtaataag ccaangcnaa      600
ttatggngna gatccaccct tgggagcnac ttccttaggg ggccnacnct tnttagcccn      660
ttanttaann anttcccccc cctanatnnt tccttnggnt ttaaanctng naaacttntn      720
tttacnnttt c                                     731

```

<210> 4380

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (731)

<223> n = A,T,C or G

<400> 4380

```

tntcaatnct nggctctcgt tcttttgcag gatccctcga ttcgaattcg gcacgaggta      60
ttcagcttgg ctggagcaga ggcaggagtg gggaaactggg gacnggtgan actagaggtt      120
ggcngaaacc agccatagta gtttttgcct catttggaca acaaggagcc atccaagaga      180
gagcggtgaa gctgatgggtg acacagccat ggcgcattga aataccccca gtggctgtgt      240
tgtaggggtat attgggttgg ggagggacaa ggtcaggagg catagactcg acatcatctg      300
atgtgattca ggacagaatg gcgagcctga agtgaagtgt ctgtaggata agttggaaag      360
gaaggaacca atatgagata ttaaagaagt gaaagctata ggtcccagtg ccttaataaa      420
ggtaaggagt aagagaagat tcgagattga ctcccagact ctccagtcctg ctggacatgg      480
gagatggaat agaagttgat ctcggtgtgg tcanaggaga gcagtttctg tgttgagcat      540
ggatagcctg cgntcccca gagangagt tccagctgnc ttgtaataag ccaangcnaa      600
ttatggngna gatccaccct tgggagcnac ttccttaggg ggccnacnct tnttagcccn      660
ttanttaann anttcccccc cctanatnnt tccttnggnt ttaaanctng naaacttntn      720
tttacnnttt c                                     731

```

<210> 4381

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (890)

<223> n = A,T,C or G

<400> 4381

```

cnttcttnan nnnatnttcg aagnnncnnn nnnctntntna gttnnnnnnn ntcngttct      60
aatgcttggc tancnnggcg ctcnacgcen ctttcaaacc nagctctnngn tcttttgcag      120
gncccatcgn tcgaatcggc acgaggctgn ttcctcaaga aaatgaagag ggnaggatgg      180
ctcagggaaa gttntcaga gggnaaatgt cactctgtaa agagtataaa atttaggatg      240
atgatncnga tctgggaaaa aaaggcatag tgaagaccac ttaaaaacaa acaataaaaac      300
ctatgaaggt gcattgctatt tcccanagc taaaaagata agtgaaattg tgttttgaac      360
tcttaagtgg aggtgaagca caatttatta gccaccaacc acataagtga ttatgaagta      420
actgagaaac aggtnacatt ttttccaca tggacaaaac tttctctttc tagaatatta      480
agtatctatg atnagaaatg aagtagcatc tcaagcagtt tataaatcta ccagaatatt      540

```

```

agaatcacct gggacctttg aacgtactca tgcccnatng nctacctnta ttcatttntt    600
tttttcgtaa gatattgggg acttcaactt cnggncttaa aangatccnt cccacctccg    660
gccctcctaa aagttgttnag ggattntcaa ggccntgagc ccncntgtgg gcnetgccct    720
tctnatggtc ntgccttttng acccaattta natnnaatca tcttgngngg ttggnnccnc    780
tgggcctnta aagnatnttt taaaaanttn tccnaanggg gncnactnaa tttcttatec    840
tatcgatttg tnnanccnc nggcctaata ccttgnnnat ctctttncct    890

```

<210> 4382

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (789)

<223> n = A,T,C or G

<400> 4382

```

gggggtanga nccctttgan accnattgct acttgttctt tttgcaggat cccatcgatt    60
cgaattcggc acgaggaagg atccagcatt cggaggcaaa catgaagctc catcctctcc    120
aatttcgggg caacctgtg gagatgatca aaatgcttca ccttcaaaac tctcaaaggg    180
aagagttaat acagagtatg gatcgtgtag atcgagaaat tgcaaaagta gaacagcaga    240
tccttaact gaaaaagaaa caacaacagc ttgaagaaga ggcagctaaa cctcctgagc    300
ctgagaagcc cgtgtccct cctcctgtgg agcagaaaca ccgcagtatt gtccaaatta    360
tttatgatga gaatcgaaa aaagcagaag aagctcataa aatttttgaa ggtcttggcc    420
aaaagttgaa ctgccactgt ataaccagcc atcagatacc aagggtgtcca tgagaacatc    480
aagacaaacc aggtgatgag gaaaaaactc attttatttt ttaaaagaag gaaatcatgc    540
cagaaaacaa agggaaccaa aaaaatcttg ccaccgttat tgatcagctc atggganga    600
ttgggaagaa aaaaagtggg ncagaanttg aaaaataatc cttcnggagg gaaaagctta    660
aaggaaagcc aaancaagg ggaatttct tttgnaaaag ccagtttttc cagaaaantt    720
cgaaaaaacc nanggaggaa ccagccangg aaaaagattt ttcacccga aatttggggc    780
cannaangg

```

<210> 4383

<211> 1266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1266)

<223> n = A,T,C or G

<400> 4383

```

angntttncn cccctttttt tntgaaaaac cccccctttt cgnanaactn ccccngtctn    60
cctgatnntn gcgangnnnt acgcccatac gggatttctg taattnnngg cctaccggca    120
gnagangatt atngntatag naaaantttg tggattgtgn tctcntgtca tccgnetggc    180
ncannnatct gtnganaanc ncnnnnntnt tgggttacat nccanntctn agttnaacgc    240
tgtaaactnt ngagatnneg tngnacgac ancngcctct ntcattggctc nnatnacttc    300
naccanaana tagtatangn ngcnnntttg agcagnnccc cnatcntncn acgacnante    360
gctaanangc ttctacgatt cnntttttgt mnnactngtn cctttannat ccttnncnnn    420
taangcnaa ttgtngnana ctancgcact ntgcaaaatn gntantnttt ctaactttna    480
taaaatgnaa gtcnaatac ngntttcann nttannnnat anaaaaagga antngantcn    540
tgtntctncc cctttcangt anangnnncn ctagnnngat tcnntnngtn anntattctt    600
atancgcgng gtagaaangc ctactttgtg ngtannatnt ctcttctatt natnnngttc    660
ctctgttnta cntnnntgaa ncnnnttaga angaaggacn gnanaaacan naccnacngc    720

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nnnaggntnt	tnnnngcntan	aatanngant	acttctnang	nccnnttcac	tttctnatagn	780
aaccttccgt	ntgtgagncc	tttctanttc	tnatacnaat	actctttnga	tnccgccacan	840
ttntnnntan	ntntnnnnnt	tnntnagtnn	atgttnnncc	agcannttct	cnntnccttt	900
ctnnnacnaa	ntntgnaaan	nngctttctt	nnnnacntag	tngnannnat	caanccctnt	960
ncnctgtgcy	tcntnanata	ttncnnntct	tantcnnncn	ncntanacgy	nggcntanat	1020
accnactnan	ntataatatg	ngnncnngtc	gntnatttnc	aggcattctc	tgngntncnt	1080
ntcttatcnc	cntcgtntcg	tgtncnnngct	agnntntanta	ntancgtnan	ncatntcagt	1140
atacnnctcn	tcntgtgngn	gcatacncta	nnaatntact	gntnctcacn	ngcntgacnt	1200
acgntangan	tngaanggag	tgccccnnnn	tgcnatnta	tctcncgcac	ctntaccnac	1260
tnntcn						1266

<210> 4384

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(785)

<223> n = A,T,C or G

<400> 4384

aggggtnnnn	nnnnnnnttt	gaaaggcggt	nnnnnnnttt	nnnaatatna	gctacttgtt	60
ctttttgcag	gateccatcg	attcgaattc	nncncgagcn	gggncgnang	nagccatggt	120
gccagccgn	aatggcatgg	ncttgaancc	ccacttccac	agngnctngc	agcngcncnt	180
ggcnnctngg	ctcaacnagt	cgntcctgga	agaatccgna	nacgtatggg	cnggacaagt	240
cnaggcgac	cgcattgatt	gacacgccnn	ntgtcgggat	cccattgngg	tcattttgcn	300
catgncncan	ggttcgtngc	nacacanagg	tgctcagccg	agcnnnggatn	tagnctggag	360
gagcttaggg	tgncccggnnt	tcacannann	gtggtccggn	ccattgncnt	ttgtgtngat	420
nngnagaggc	anatcangnc	cannngttcn	ctgcatgcc	acgtgcagcg	gntgaaagan	480
tccgattcan	actgatnctc	ttcncncnga	agnnttcngt	ncctanaacg	gagacanttn	540
tgnttaaaga	actgatactt	gtcanncngc	tggaccggan	cgnttatgcn	cttctctggaa	600
cgtnttnnnn	aagganaaaa	ctntaattaa	tactttggga	anagaanaat	ttnanagcct	660
tcnatangtt	tcganttggg	ccgtgccaan	nggcccgggt	tttttnacct	nactnnccaa	720
nanganccca	agggaagccc	ttncacang	gatngtnaaa	agaanaanat	taancncnt	780
ncntg						785

<210> 4385

<211> 967

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(967)

<223> n = A,T,C or G

<400> 4385

nnnnnncann	annnnnnnna	ngnnnnncna	ccannncnnn	cnacnnagng	nncccgctcc	60
aaagccggca	annccgcn	cngcnnnttc	aaacntgca	ngcggcacnn	gngngncccn	120
acgangcgc	agcgcgcn	anacngngct	gccagaaan	gngngcncan	agnccggcct	180
ngagacagn	acagngganc	gtcanaagca	gngggangac	agacgacnga	ngaaacntag	240
agcccagggn	nagcngacg	acggaccagn	tcccaaagc	ngnggcccaa	agcngacnag	300
ntnnaggaag	aaanacngg	gacacaaccg	gagacanccg	annaggagcn	gacnganngt	360
gaccanang	gcaagaagca	ccnaaacang	ncacccacca	nacgaccggg	gaaggcacga	420
acggtcngag	cacgagna	acngaacna	ancaacgcgc	acacannngg	aganagaaac	480

accncnaaca	ancnaancgn	gggaanangn	agaccggacn	cagaagaang	gcncagann	540
cggcanngaa	cccnaancn	gacggaannc	agggncggng	ccaacaagan	ggcnangacn	600
ggncaannga	nggccggcnn	ggaaaaacga	ccaagnngnn	cnccaaaaaa	gacanggcaa	660
aagnaaacgg	gcaaaggcca	ancncnaagg	nnaagccca	naacgcgcgn	nnggagcaaa	720
angnnccaag	ngaggancna	aagangggga	aaggggcca	cnaagngggc	ggnaannngg	780
cgaannnaaa	acanaggng	ggggccacng	gnaaacccaa	gcgcgaaann	ccnggcncna	840
agggccccga	aaacangggg	ngacaaaaac	ccnngccaaa	accnnanggg	ngggncccat	900
cngannaca	naaggngaac	cgnccaaggg	ggcanaaagg	aaaggccatn	nnaangnaaa	960
agagccg						967

<210> 4386
 <211> 1118
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1118)
 <223> n = A,T,C or G

<400> 4386	
tnggctttna	atnccttttc
tccgaattcc	gggcacgaag
ctggctctca	acccatgttt
gctcttaaag	ggccttactt
acttggantt	nccttctctg
aatncttttt	ggaaactttt
nccaattgna	ngaaantntt
ctccnatctc	ttttgntaat
ntnagtcttn	acanccagat
nmntatnngn	naacttcnta
nantnttnga	aantacaact
nnngnanaat	gnnaaatggn
nangcgnann	canttcattn
agncatgntc	ttntgttagc
ttmncgntaa	ncncgcttna
nnatacannn	tgnttganaa
agnatcntan	cgtgnaatna
nntagagcnt	catntcnngn
cnnctaataa	aagngnnnta
nattccaatg	cttggnnact
gatctgcccc	caggtattct
agggtgactg	gtngtatcaa
ctaaaaattt	ganttggctt
ggcaccttca	nttaanttta
ctttggnncc	tttaaanntt
aaaatantnt	tnccnnnagt
ntntacnata	tgttnnaagtn
tgntnananc	gnttnannta
atggtccaan	atggtccaan
aaancntcgg	nannngtggn
gnttccnang	nntctananc
acctcncgna	ngntatatgn
cnagantcca	natantaatc
tcgngatggt	atatntacat
naatctnagc	tggtntctac
cggngtggtc	canantcgcc
atnttntctc	acncagattn
tgacnccg	

<210> 4387
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (486)
 <223> n = A,T,C or G

<400> 4387	
cgctctttaa	gctncttggt
tctggcacag	ccagagtcac
nctgntttgg	agcactagnn
ncgcnnnggg	cttgcnttct
gatccccatg	attcgaaatc
catatcagcg	ggntgctatt
gngcgnntat	ncnaagctgc
atntcaaaaag	tttctaattc

tnatgccnct	ttttgggnaa	anncaagann	aagtcaatcc	tncccttggg	gatccngngt	300
tccccnttca	atcacgattt	gtnggnnttc	acncgattta	tnnttacnan	gacacaggnt	360
tattgancng	ttangttntt	aacatctngn	aanctnaant	gtngctgnat	gnaatgngcc	420
tnnncanttc	ccatnacntt	tgccctnncn	ngngnggcc	tancgtngtg	ngnntnaatg	480
ccnnan						486

<210> 4388

<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(842)

<223> n = A,T,C or G

<400> 4388

tcncccttng	aaatcncctt	ggatnttget	ttcnaatnnc	tggtcttgn	tctttgngca	60
ngaatccnnc	acgagggann	gctgtcngan	antctgttnt	anacggnaan	nccctgaatt	120
nancatcnac	agtgtcnntc	ttngaancan	nnntnctaaa	ntcnntcatg	anatggaggt	180
gattaagatg	gcccttgctc	ntggatgnca	nacttngnc	agaatnnacc	tactntgacc	240
ataggatact	ttntnttgta	ggtgtaaagt	gttctnctnt	actaatcnga	nnnggannat	300
annnatacaa	cnttntangg	gatecntann	canntnggaa	cagcngtnga	tgncnccttt	360
nggaggggat	tcatntnnca	ntcntgatna	aanntncctn	attnttntnn	ctactgange	420
aacnnttgca	nnaagtgtat	gaanggtgcc	ccctgtncca	atgatnctgc	antgctgnat	480
ncagcctttt	ctgggagcac	cgggtccaagc	gttccggaat	tgattatccc	natcatttnt	540
ganntgtnac	tggaaaaatnt	nngnctnatg	cantnaaaaa	tgtacttggc	ttgctttttn	600
ncaannngnt	atttncntct	ttgggaagta	ataaaaccga	ttcnaccgt	ngaaaccgtt	660
aaccaaaatt	tcntggtatt	ttaaggnctt	tttttctgt	tntganggtc	ggagtcnttg	720
gncccnannt	atttttttgg	ggtttttgng	naagaatttc	ctaaaantaa	amtttntn	780
ctaccattt	ttnananata	aantgannta	anaaaaaatt	cctgcccttt	tnaaaacttt	840
nt						842

<210> 4389

<211> 628

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(628)

<223> n = A,T,C or G

<400> 4389

nnnnntannn	nnctntnnnn	annnttanng	atnntntntt	cnnnnnnnat	nttannattn	60
nnannctcnn	nnnttantat	annagnnnnn	nnatntntnan	gantnnnnnn	nnnnnatnan	120
nanatnnnnn	nnnnnnnnnn	nnnttttcat	tttngaaacn	cccttaccgt	gccgcnttng	180
ccagtatccc	atcgnnnccg	aacnaccctt	acnnaaaac	tnaaanaaa	ntggctagca	240
acgggtnttt	tcatncnggt	gtctcttnat	ntaagtttnc	taagttaaga	aaagctgggtg	300
acatattnat	acgtntttgt	gcaaaaataa	atgaatggca	ntagnaccta	aaaanatctn	360
tattatgtac	ttntgtgtga	aaaagtntgt	ataatanttc	cctnaaatat	gcattatttt	420
acttgtgagt	tntttntctga	attaatctga	aatgtncaaag	ccctggattn	gctacagagt	480
gagaagttat	ngctattngt	ttcttatttg	taatgcttgg	aaatgctgca	caaatcacga	540
agctcttacc	atgggttgaa	caaaaaaagg	ggaaaatggg	aggggaaaag	ggtgggatag	600
cccagcatgc	ttgtntggta	tattccdg				628

<210> 4390
 <211> 676
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (676)
 <223> n = A,T,C or G

<400> 4390
 atncttggct cttgggtcttt tgcaggatcc ctcgattcga attcggcacg aggagttttt 60
 tttttttttt tttttttttt atttttataa aaatgtgttt tattgtttta aaacaagtct 120
 ataaaagtag aaatcacatn caaaaataca gattactctg acatgttggc aaaatagctt 180
 atggctggac ttgagtttg aagttctgta tgtttgagg catccgatgt cagagtccaa 240
 cggatccta accccagctc ttgtcactaa tagtaaagt tcaggtatta tatcatagca 300
 ccgactgagt gataggtgtt ggaggtagt gagctggaaa aattcctgaa agcagtcatt 360
 ctttagcatg acactatcac ttaagtctag atggacaaga ttggggcatc ttctaactaa 420
 agtagagaga tctgatttct ggagattctt tctgtagccc gctaagattc agctggggtg 480
 atggtctctg acacatgcgc aacagcacct gtcattgttt tcaagtggaa tcaaaccacca 540
 ggagaggtca ctatccagct ggacagttgn tnccaannt gcaggcaatc aggaatccga 600
 ccccaaagg taatcccta attgagtttt gcanagnttg catggacca aaccgagctt 660
 cagcttaatn tgactg 676

<210> 4391
 <211> 946
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (946)
 <223> n = A,T,C or G

<400> 4391
 ttctaattget tggtctctegn ncttctgcag gatccctcgt tcgaattcgg cacgaggntg 60
 tcacangnnn nntgtntcca caggcaccac tngctangtc tnacctgtgn tgnetgttnc 120
 aacncggggc tangnanget ngtattccac ntggataact aancntggc cataccgncc 180
 ntgnactggy naccngctnc naggagatgc aacnanacat tctaagatgc ttatgatcct 240
 tacntgtatc tttcntnttg gngattcttt tanattggat gttgcaatgg agntgaatna 300
 ncttnnnnnc ngctctnnn annnccnntt nnatangnan naactttncn nnnnactaaa 360
 tngnccactn atactaatgt gcttagatgc atatnttacc ctcttnaagt gntaaaaccc 420
 tttagaatcc naaggaccag ngtcaancgc aacanncttc taggacctat gcgaagctnt 480
 gacttgance ttgggggatc cntgngngt tanctcngat natgtttcgn ggaccngcnt 540
 ngacncatnt anagtnttgc nncattggna ngnccctgtt aaatcccca ntnggaaanc 600
 cnnttagggg ttttanangc ttnggaaacc ccnccccgg gntctttgtt gncccccgat 660
 atngggggnn aaaaccggtt tcaaaaaaag ntcnaacttt ggggttnant ttaaaatttt 720
 nggggncctt tttggangta accctgngna aggtgcatan atattgggcc gggaantttt 780
 ttnggtgggg ggccancctt nggngggctn ncatttanaa atggcttaaa naaaanttta 840
 accnccaann antcnatnn ncnanaaacn ncnttcngn acaanactcc ctttnaaanc 900
 nncnntcn aatggtcaaa aantnttcaa ggancngnt tanaan 946

<210> 4392
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (721)
 <223> n = A,T,C or G

<400> 4392
 caaatcnntg gctcttgttc tttttgcagg atcccatcga ttcgaattcg gcacgaggtt 60
 ggcttgggtg ggtgcagggt tgctctcaag gaggatctgg atgccctcaa ggaaaaat 120
 cgaacaatgg aatctaata gaaaagctca ttccaagaaa tccccaaact taatgaagaa 180
 ctactcagca agcaaaaaca acttgagaag attgaatctg gagagatggg tttgaacaaa 240
 gtctggataa acatcacaga aatgaataag cagatttctc tgttgacttc tgcagtgaac 300
 cacctcaaag ccaatgttaa gtcagctgca gacttgatta gcctgcctac cactgtagag 360
 ggacttcaga agagtgtagc ttccattggc aatactttaa acagcgtcca tcttgctgtg 420
 gaagcactac agaaaactgt ggatgaacac aagaaaacga tgggaattctg cagagtgata 480
 tgaatcanca cttctttgaa ggagacttct ggggaagcaac ccngatcatt tccgcacctt 540
 nagccncatt tagaactttg acnattaaaa cccccagtg gaaatttgaa ccagatgggt 600
 gatananctg ccacttttga aaagacaagt ctttgggtca antcnccanc ngaccngntn 660
 ccgtaaaaat ccaaagcttt nnggaaagaa gaattntnn aaattcttag ggnttccaac 720
 c 721

<210> 4393
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1102)
 <223> n = A,T,C or G

<400> 4393
 gggggggngn nngggggng nnggnncngg ggggncngga gggggnnnnn gggcaggngg 60
 agggtnaanc cggtnnggnc nnnngnncnc ctagngaacc cttggaaann cccgnagcag 120
 gnccaacgaa gcgaaggcgg cacgagaagn ggaccaacgg gccancnggc nnggttnntg 180
 gggccaagac gggggancnc cncnnggcng gggggggnaa ggaggggcgn nccngggggg 240
 nagggnaaaa aaancncng agngggnaaa gggannnggg ggnanggggg ncnggggaac 300
 cnnagaggaa ganaaggggg gcgggcnana ngggngnang aggggnnagg gggggnnncg 360
 nncgcnccgg annngannnn ngaggagacg cccngggggg naggggaaag cagaaggggg 420
 nngcngnca ngggggganc angggggnga cncggggang ggcngggagg gggcgnaaaa 480
 cngnggggccc cngggnggn cnggggggag nngagancgg aagnggagan nncagnaagg 540
 agngngnnc gngnggggg ggnnnaaagn ncaggagacc cngnnnggna ggnngccnng 600
 ggggcnnggg gganagggcc gacnagnggg gggncangng nngggggng gngcgnnnn 660
 gngcaggngg cganagcagg gnnagcggng ggaggcacgn gggngnangg ggggcgaggc 720
 ngngngggag ngncgcgagg nngannnggg gggggnggaa gggngncggg ggnancnggg 780
 gggngngggg nagggngggg ngcgnngggg cggcggcnag gnnngnnngn ggggagggga 840
 ggannngggc gggagnggn ccgnngggcg gannngngan gngcgggang gngcgcagg 900
 cngngggggg cgcggnggn ngngggang gggngagngg gcgnnggggc ggancgggg 960
 gcnggagang aggagngng ngngggggg ggcggnggn gcngagagg nggncacana 1020
 ancgcggng gngngngcgg gccgggggga nagnggggg aggnagnggn ggangcgcca 1080
 gggngggng ggagggngng cg 1102

<210> 4394
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (762)
 <223> n = A,T,C or G

<400> 4394
 cnacangnga cnggnmntgg nactcgctct ttcccnngga tccctgnaga canagatgnn 60
 naaggggaag angntngaaa accaggntaa aantttttan gagaaaggca gaggatgctc 120
 aagggnaann aganggaaat nnagtnnacc ncnntnnccg nantggncnn tatgnnnaan 180
 ncnnecnata annngntctn tntgngaag acagatccca gccttgatg gcttgatagn 240
 cgatggatgg aaancgatnn gggnccatctt aaanaggcct nnangttaca ttcnnagnat 300
 atnnntaaga gatagnnat ncaaactntg atgaangtgg tgatgcagga ctgaagcatg 360
 gtccactaca atgaancttt ntccnmtng gncaanggna tggntgatga tcccatcnca 420
 gaggatgntn ctgnaccaga ggngcctccc attntcgctn cnaactgcc taactanccc 480
 atantgagnt aacatgtccc ttcattntgt tacgtctatn nagacaaatg cttntctctt 540
 mncttgcttg acccnatctt gncttnccnt tcagntaant nnagaacaca ttnttancnn 600
 tcnntggcca tannggttct aacttnaaac catcttacct nttaaatttt gtgattatag 660
 tnngtggnnn tncntaaggg naanaagatt gcctttcaac ttttngagg ggaatttcgn 720
 gnttngtaaa antnatcttg tccaaatctt ttgaattttt an 762

<210> 4395
 <211> 578
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (578)
 <223> n = A,T,C or G

<400> 4395
 gcncgncgaa nnannacngg nnanngcccg gnngaannan gcncnnngan nncgaaann 60
 aagangnnnn nnannnnnnn nnnnnnnnnn nnnnaaacct tgaaanccgc cgnnnngnngg 120
 ncncctcgta tcgcanaana cacaangggg aggaagggnn gncaannccg gttgggggtg 180
 aaggggaaaa ggacacgaac nnnngntaan ggnagcaaga nttacacggg cgaanggganc 240
 cgagccngtc ccctttggag annatcccn anaaaaatn ganagnggnc nggngggng 300
 nnacaggaca cgaccgcggn naancnngga antggccttn ngccggcaan tccagaacta 360
 anggggggnc aangcagggg gnnnacaang ncnngngang nggcagnna gccagagana 420
 nntgacagaa gagncngggc ngtgcgggca nccngnagaa aannngccan anccaggagg 480
 cccgnacntg gngnaaccca cgnaaccncc ggaggncaga ggnganagga acacnggggn 540
 gnnggancag gagggcnnga gggnnacaag gnanagcn 578

<210> 4396
 <211> 898
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (898)
 <223> n = A,T,C or G

<400> 4396
 tnnctttct aatgccttgg atagttgctt ncnatngctg gctacttgnt cttntgtagg 60
 atcccgngcn ngatnnttat gactgnccn ntngggcng atcntttgcn ngnttacnct 120
 ngtanaccng tngcngcggn cgnnngaagn cgtcctggga ancagataa acngctgcnn 180

ggctnggagt	gnncacccgg	tacacantnt	ttattttannn	ggccanctnc	cactgatgaa	240
catatantcn	gagtgcactgc	tgaaatagcc	tttttggatt	gaacgcccac	gacagtncat	300
tangtntcnc	ttntatcatg	ctttctntac	tggnatgagc	ttcactgaac	ggcgtgaaaa	360
acttggana	tnnatnggac	atgctgtaan	atnggacata	natttttata	cggaaaactt	420
naagtgcnc	cagttgaaag	ccataatggc	atcccataga	gaggctnttt	tgaacttttg	480
gatgctttat	tgnnccaaag	aaagatncag	atttacctga	aancttgtgg	gtttnggaca	540
cctttntgnt	ttntaagcct	nntgaacaan	tttttaanac	ntttgacntt	ttnnaaaaac	600
nttgncttac	cnagnnggtna	cnanngaana	atggccnttc	angggaaatt	tctccngggg	660
tttcccnngg	aaaaaanant	tncnnnccag	ggtttttttg	aggggattcc	aaagtntttt	720
ntaanancng	gggggtttnc	naaaaaaat	gggggcnnca	atnggntttt	aganggggaa	780
caaaaccnnt	cnnaagccct	tttntcnaa	ntntcnncct	ttngtaaaan	gncttcana	840
ttattttctt	tnnctanggg	ttttcttttt	ttgnaaaana	aaaatannnc	ttttttnt	898

<210> 4397

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 4397

gcttaccctt	ttctatttct	tggatgctct	tncattgtgc	angatcccan	cnntcnaatt	60
cggcacgagc	agagctgtga	tctgccccca	tgtattctga	cccccaaact	ggctctcaac	120
catgttnaca	tgatgaaaag	aagaggtgac	tgttgatca	gctctaaagg	cctcactttt	180
ggtgaaatgg	gacctaaatt	ngatngcnta	cttnatttct	tgcngtcnat	actganntng	240
gcactttata	atttnaatac	tattgaactt	tcaccatanc	cctgtcctat	aaagttgact	300
tgcaaatgan	gaaactctat	ctcttcaata	ttatgnacta	tatccaagag	tcacaactag	360
tgagaaaagg	acangntcta	actaccaatg	ngaggctgtg	tcttcacacc	aattcaacag	420
agtatcttgt	aaatgntgag	aggagaggta	ctttaagtca	tgggtgtcta	tcatangtgc	480
ttnacaaaac	nnnttgacaa	ctgattgggc	cttgaggat	gaatggantt	agccaggcna	540
ttnaattcga	aatncgaagc	ttcaangaca	gatttantaa	cnctttgnga	gnagttgaaa	600
tgcagcaaga	tgttacgaca	anttgntact	gnnccatggg	aattttacca	aagttgtgna	660
attgnagnna	antgctnatg	gaaaccttga	aaggatntng	ctttgnggcn	cacgcttgaa	720
cnaangnctt	eggantgcnt	annaaaaagc	ccnaatgcnn	ntccancnn		769

<210> 4398

<211> 1466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1466)

<223> n = A,T,C or G

<400> 4398

cnntntcaat	nanntannnt	nnancantta	cactncancc	nctataatna	atacatatcg	60
ggggatntta	tctcncctcc	antancttn	tactnctccc	cattatntct	nttcnccata	120
catattctnn	taanctnnat	ntanatcttc	aantataata	ncnaccat	ctatnactac	180
nnntacttna	antctccact	nttnngnctt	nccannccnn	tnatattatn	ccnattnaat	240
cttnnccncc	nttanacctc	ttcntttacn	ttaaactcat	anctcatntt	naanannatc	300
ntcnttctna	tctcaaactn	nntcnnaaac	ttcatttteta	tttnnatact	tttcnncata	360
ancttcantt	atnaatcaan	atnnnctttt	tnntanctcn	tnatnatntn	cattntcctn	420

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ccantantan ctntnttaan acattncnt ntctatcac nctnaaccta tntantnta 480
cntntatct ctncntctn tcctactcac tatacnetca ncatatactc tacnanatat 540
acattatctt cntnccatct cacattnatc tatntctcac nnaaatatnt tncacctcca 600
ctntctantc tatttanctn tcantncttc tccctctctt ntntcttann tccttnccat 660
ntctctcann ctncntctca tatgatcact ntgnngttct atatcntatn canactcaca 720
tcgatttact nacnntanan accctantnc tatatactat ntaatnntca tcatatntcc 780
aatattcnta aaccnnaaat tactcccact antatntnt cctactttaa naatgactng 840
gtaatcatna cttaatactn ttttctcatn accatnttac cnnntactnt nactctcttt 900
atcatcatnt ncnttanatt tcantcatac ttngtaattn tttntttcnc antatatnaa 960
nttatcnaat tttaccgtct acacatacnt cattatcatc tatctctcac tatacttncn 1020
tactnatntc ttatctatcn atnctatate tntnnacatc nctncncnna tntcacctcc 1080
nttctttcac natanaactt ntatcttaca tctctatata tacnccact catttatcaa 1140
ctctntcana acannntnn tntntantc tannanncn tatttnatac ntanacatag 1200
actntcacnn aatntctnt tatcactntn tatannatac acttnttcta tacntacttn 1260
nttctncata tntatccta natntttatc cantanttnn tntcncnat tnnaaanant 1320
tacagancn aaataaatnt ttattntct acctnttna tcttgtnect tccttnanaa 1380
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<210> 4399

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 4399

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ctacccaaac ctgtggcgc cacttttgaa ttctcagatt gccctgaatt ttgccacttt 120
taaataatgt gctgaataag ctgagcaact aaaaaccatt acccaagaac gtttcttggt 180
agtgagctga tttattctga ttcattatat tcttttgggt agattttata cccctggggg 240
aaataatata acaaaaacat ctcttaaaaa tgctgggatg gggccatata tactagcaga 300
ggccagatgg tcagatatga tttctgcaaa cccatcttga ccttgagtat gtgaaggggt 360
actgtacttt attcctgata cattttgggt tccatgtagg tgttgagctc ctggntttct 420
gtgtttggat gatgaagatt tggacccttc cattcataat ccctttctaa gtgaagggag 480
aggctggctt ggctgntcct tgnattccg aaagccctgg tttggggccc atgttcacac 540
tggctctcag tctagtcagg tgcaatgttc ttgagagggt gggacctaata tattaccaga 600
gtagcancaa gagaggaaac gttgtgaatt aagtattcaa ttnaaaaagg aacatgattt 660
ctacctgaaa aaangnanan gnnctnnct tgattanctt cntaatcctt nnnnatnnaa 720
ncntcctna annantttaa t 741

```

<210> 4400

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(768)

<223> n = A,T,C or G

<400> 4400

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tnnnttcngt tncactggtt ganttcctat acaagctact tgttcttttt gcaggatccc 60

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atcgattcga	attcggcacg	aggcctgatt	gaggaagaga	acatgctggc	accatctctg	120
aagcagtttt	ncctacgagt	ggagatttgc	catcctacat	tccagtgagg	gttgctgaaa	180
aaatcctatt	tgttggagaa	tctgccagat	gtttgagaat	caaaatgtga	acctgactag	240
aaaaggatcc	attttgaaaa	accaggaaga	cacttttgc	gcagagctgc	acccgtctca	300
aacagcagcc	actcttcaac	ttggtggact	ttgaacaggt	gggtgggatcg	cattcgcagc	360
actgtggctg	agcatctctg	gaagttgatg	gtagaaagaa	tccgatttac	tgggtcagct	420
gaagatcatt	aaagactttt	accttctggg	acgtggagaa	ctgttcaggc	cttcattgac	480
acaactcaca	catgttgaaa	acaccaccca	ctgcagtaac	tgagcatgat	gtgaatgtgg	540
cctttcaaca	gtcagcacac	aaggtattgc	tagatgatga	caaccttctc	ctctgttgca	600
ccttgacaat	cgagntcac	cggaaangga	gcacaagat	gctnctcang	caagaanaag	660
ggccttctcg	ggaaaacttct	tnccccggga	aagccctgc	antcttggct	gggcagccct	720
angtcttttc	ttacaaaagt	acaagtgggc	ccccncncnt	ttttanct		768

<210> 4401

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(463)

<223> n = A,T,C or G

<400> 4401

tttcatnntt	tacaagctac	ttgtnccaag	atcccatcga	ttcgaattcg	gcacgaggct	60
agaagttcaa	cgggagacnn	attatnncca	tngnanactt	ncggaacctc	gggttctgag	120
tngtgctctc	ctcaactgcn	cgggtgagcc	ttannccctg	gnttgtgcna	naannanacc	180
tnngtttant	nnngntncc	nnnnnctct	taaanncnta	nnnnntnnag	ngctntaaan	240
cccangtgag	ctnatnaanc	aanaattgga	gcgnattgca	tcccngacta	gngeggatga	300
actntntaca	gatgaccnat	catncttctt	tgagccaang	ngganaacnc	tgccgctata	360
gacntggcn	ttgacatcnn	nttgacatna	gannatnnnc	taacnntncn	aanattncta	420
ggcnntccgn	ttctcangnn	ttatntttaa	canctgnttc	atg		463

<210> 4402

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 4402

aaacatcttg	aacccgtttg	antnctntata	caaaactnctg	gatgnttgng	cnggatccca	60
tcganncnaa	tnccgcnega	gggcatagtc	agacntgtn	tnaaaaataa	tnatnatnan	120
nnaacccagt	gtggggtnat	tcctttngat	tactattatn	ttgttctcag	aacaattgat	180
ttnanttttna	tagactttct	agcccttata	taataatnct	gagtntctng	ccnncataan	240
aaanctggaa	aannnctgat	cnagaaanaa	nnngtactac	tntgangaat	ntttangact	300
atnatactga	gtncaatatg	naacacaatt	cnccgtnnct	ncctnnngatg	anncntaaaa	360
tatttgaaaa	tttgattgna	tnaaanagca	tnntggatac	cnggaganac	tnatgntcnn	420
gacattanga	catnctgtnt	gnnnngangct	cccgtcnna	ggaagccant	nttcnnaaan	480
actaccttgn	taataatacc	ggganccggc	tttngnacct	gccattntat	tgatnanatt	540
naatgttnat	atncnggaaa	aaannggctc	atgccgtgaa	atgtggggtn	catnacaagg	600
gaaaagtgtt	ctggnnccgg	atnacttctg	gnnanaactc	angttctnnc	ggactnnggat	660
ntaatnccct	ccctttgcta	ggtttctctc	cagganncng	nttcnaaagg	cgaatcaaat	720

gccngccaac atttcaaatt ttnaaganng gggnnccnca aaaaaaaaaa aat

773

<210> 4403

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (777)

<223> n = A,T,C or G

<400> 4403

tccnancctt	ttctaaatnn	cnggtcttgn	tctttctgca	ggatcccatg	cgattcgtgc	60
tattgtaata	ataacaataa	agagaaatta	gaagtgggnn	tcagggtaga	aaaaaatgca	120
aaggccttgg	tccttaggag	accaacactc	cagctgagct	ggccttagcc	ccagcccctt	180
ctaatttctc	tttattgnta	ttattattat	tttctctgct	attgtaatat	ttttttgtta	240
attaaatggt	ttggtcaaaa	aaaaaaaaaa	aaaaaanaaa	aaaaaaaaac	tcgagcctct	300
anaactntag	tgagtcgtat	taccgtagat	ccagacatga	taagatacat	tgatgagttt	360
ggacaaacca	caactagaat	gcagtgaaaa	aaatgcttta	tttgtgaaat	ttgngatgct	420
attgctttat	ttgtaaccat	tataagctgc	antaacaag	ttaacancaa	caattgcatt	480
cattttatgt	ttcaggttca	gggggaggtg	tgggaggttt	tttaattccc	ggcccgcggc	540
gccaatgcat	tgggcccggn	cccacctttt	gttcccttta	gtgaggggtt	aaattccccc	600
cttgccgtaa	tcatggtcat	tagctgttnc	ctgngggaaa	ttgnttttcc	ngtnacaatt	660
ccacacaacn	taccaacccg	ggagcataaa	ngtggttaaaa	ccctgggggg	cctaataaag	720
tggancttac	ttccnattaa	ttnnctgtgc	gcctcctggc	ccnnttncna	gtcggga	777

<210> 4404

<211> 863

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (863)

<223> n = A,T,C or G

<400> 4404

ccnnactttt	cnattangtg	nagccctcgc	ccanananat	tggcntgggc	tnaacgnana	60
ttatcttctn	acnnatannt	gtgtgcctat	tttttcataa	ttcttnancn	nangncttnt	120
tntaantggt	ccgctagncc	anannntgcy	ctaacanatc	agggcgccac	tggtgncgga	180
tnacnactgc	nattngngcn	ctntnncatt	ncnnaattgc	gcntntnaaa	tcngatcggn	240
tcacatgaan	atnanaacgt	atatnatnnn	cnaacttgag	atcttcnttc	acgggnntc	300
tnnnacngct	tnatgactcn	tggtnacagc	nccacggntc	atcangcccc	canngaaatg	360
ngactantcn	cntggancnn	nntgnaacac	ctgnccttca	cangtnactg	atnaaggctn	420
anctgntcan	gacanncntt	aanccttncn	gcttcngtnc	tggaaccaga	aggantnttn	480
nnaaanggnt	cgatnacncc	ctantagtct	tacctactgc	anccatcact	ggaancatgc	540
taatanggct	atgtggtcag	tgtaancntn	atcaatngaa	acnccnccnn	annttnccn	600
ntnanctcaa	cctaaatant	cnctttttta	aataantnca	cnncaatggt	nnaaactanc	660
ctannaatng	gcngttcccc	tngaattgct	ccttctcnaa	gcntgcacac	nttctntng	720
nanccnann	ntttaccctn	tcgnnatccn	cntgggcntt	ncctttattn	atccacctat	780
nggcttcccc	aaagaacntn	ctnngnnnca	atcatccttg	ggannacttc	ctcctntngg	840
nnaataacgg	cgcaaaantt	nct				863

<210> 4405

<211> 424

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(424)
 <223> n = A,T,C or G

<400> 4405
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 ctgcagtcct ttctgaaagg ggagctgtga atatgactgc tttgtagaaa gatgtcttag 120
 gattctgggt gaaaattttt aattcccctc atgtaggaaat gtcacagagt gtacctttt 180
 gacttagtat ttcttagta aaatacacct ttcttaagaa aatggctaca aagtcagatg 240
 catgtaaattg ctttcagcaa gggtttattg atcatctgct ttaggctggg ctctatgtta 300
 ggtgcctgtg gattccattn tagtacctgt gttctcatag aattgaatcc tgntcccca 360
 tatgactttt gatgatattc aactgttaa ttccaataaa gacagagtag acaaacagaa 420
 actg 424

<210> 4406
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(739)
 <223> n = A,T,C or G

<400> 4406
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 agaaaaacaa cagagagaaa aagaatcctg agaatatgta gaagctttac gagcccaaat 120
 ccaggagaaa atgcagctgt ataattattac ttacacctca ctatgctgtt gtggtcctga 180
 tttttgggat gctcatcctg atacctgtgc caacaactgt attttctata aaaaccacag 240
 agcatatact cgggcactac attcattcat caattcctgt gatgtccctg ggggtaattc 300
 aactcttcga gtcgcaattc ataattttgc ttctgcacac aggcggactt tgaaaaatct 360
 ataataagaa tctgaaatta actggtagta ttttggcttt tacttaaaat catccctgag 420
 agagtattta agaaaagctg ttcaagttat aaaatatata atctggaaag aaatactgnc 480
 tcatataata attagattgg aatcattggg ttaatctctg tctgggaacc aagattgaaa 540
 gctgacttac ttctctcttc tgncttgtga accataccgg agcctattat ttttaaaata 600
 tgatcagaca agtaaggctt ctcttacttt tgctctgctc tggatcagga agancctcat 660
 ggtgaagtct ttgagantct cttattaatc atctttctta aactgngttt ttgagcctga 720
 cagtactgaa aangctggg 739

<210> 4407
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(784)
 <223> n = A,T,C or G

<400> 4407
 cntcagcggc cntgmatcca aagntggggg cngcgnacg anctgcgagc ctgccttacg 60
 aggcgcgaag ccctttttgc caccctcggn gncnggncgt tccggccgtt ttgngggcat 120

canccgnccg	ncatggcagt	gaacgncng	caggcncag	ccacngcctg	gggctanaga	180
ttaaattgac	nccccnagac	ccggcattat	caggagnngc	tangannctt	nctgcatnct	240
cggnaaacta	gcataagcca	aagactcgcc	atgcagaant	attagcanat	agctgcgctc	300
gataaaggaa	ngaggagnta	aanaatnaac	tagtgaaaac	aagggagatg	gtggctttat	360
cgtggggttag	agctntngan	ctatgatgtc	atcggtctaga	tactatgtga	aatatcttac	420
tacnnttann	catgcnaatn	agantgagna	agnctnngac	caagccccct	ttaatgagnn	480
caagaaaaac	tcttggctgg	tagaggaaa	nnaatcnagc	tanaactcgg	tgcacgaata	540
tgngntcata	tccaggcaaa	ccgggagnnt	gttgtaaacy	gtcaggacca	atggnaaccc	600
cttttncct	ctgggggcct	tnngttggcc	aagggaacgc	aattaaggaa	ccttaaattgc	660
nnantagnnc	cnncaatttc	ccggncctatg	gaaannccaa	ttgncngga	ntgncccccct	720
tnngnccttg	cctcncccca	aaaggggggtt	tgncaccaa	ngtngnttgg	ggaaaacaat	780
tccg						784

<210> 4408

<211> 1327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1327)

<223> n = A,T,C or G

<400> 4408

gnnnngttnc	tntctttnaa	accnttgctc	tngttctttt	tgcaggcatc	ccatcgattc	60
gaattcggca	cgaggggenc	tgtctgcttg	cngcntgnan	acgatnngtt	tgatcntctn	120
tnaactannn	acttncnnng	ttngncttat	tgcagttntc	atcnaacgct	aacantgtng	180
tctctatnan	natnttatga	agnacatate	tacgcttnat	gancantntn	tgtcanaann	240
ggncanance	tatgtcgtgn	gcnttntttg	ncaattmnan	aanangagct	nanggatcna	300
ncgatgtgaa	agnacagctn	tactctgaan	acatgctcnt	cnnntngna	tgteccnnnta	360
cntancnaac	gaaatattcc	nntaaagacc	nganntnata	tggacataca	agaanngtnc	420
ttcaaaaagg	tcctttantn	nanagtnttt	ncncngggtt	gactaccttg	tagntaattt	480
actaggaatt	cttggtaate	gaaatccaac	ttnccgctnn	ggaactcggt	gnngntcnant	540
antnataaag	tggngngnng	gaaancctgg	nantaaangn	naaccctggg	cattgggtng	600
acccattgng	aattnacttt	tatcccaagt	tnggaccenc	ttttaccccc	anttgtcccn	660
ttgtgngctt	ttgcccccaa	aaattccccc	ctntcccatt	aacncggtta	nccaaatttt	720
tccgcccgtt	aacaataaat	ttttttntan	ccctnaaata	ccnnggggtt	tccttaaaaa	780
ncgtcnnatn	cctnaanttn	ccntttgaaa	tttccctttt	cncttctggg	gccnttantt	840
tgaacccena	naanttnaac	ttggncctnc	cncnggttta	antcnaacan	nattttgccct	900
tacntanana	aaatctccta	cctnttggtt	ncttcaanat	ttttgaacnt	taatctnnat	960
tttanannma	nttaaataaa	ctgtaatcnt	tggaaannta	ctntgnnncc	cnaaattccn	1020
ttatacacat	nggtnttttn	atggnaccaa	acttttgagn	aaccgcatng	tcttataacc	1080
cncnaaattt	cttccgtacc	nccggggntt	cttcaatctt	tacctcaaan	gnngaancgt	1140
tttcccttgn	tttcttacnn	atacggtcnc	gtttctctnc	tatttttant	ccanctaagt	1200
gtaattcaen	tttttccgga	netcttctga	cctatntnac	ntctcttcan	atctccccct	1260
aaagtectna	atctcnaact	tccaattntt	acccccanta	tcaatgtttt	ccaatccctt	1320
nnttcnt						1327

<210> 4409

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1267)

<223> n = A,T,C or G

<400> 4409

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ggcttctacn nnaannngtn ggaaactcan ncgctcgann gcgcnnngga ngcnnctaga      60
tcacacggac ngctaccanc gaggagggnt ttntntnacca naatcangac ctaaaatgcac      120
ggntntatgt accctgncca ccatctngtg cctctttatc attngcctct tccntcctat      180
ntcccttgcg ttaaggaana aaaatggtn cacaatttgt caaaagtnat tttaanngna      240
aanccntnnc atganagnaa ccntgnantt caanncgnet nnaannnnnc tntctnncca      300
nngnggacnt ngnnntcnn aaccctnact ntntntncnn gannncnna nnnccnatat      360
cntnncnnga gttnaatnnc annncancan ttntntann nnngaannan gnnnaattga      420
nnncttgtn cgganntanc ntcangatcc cannannant nccgancgna anttctatna      480
antntncnan caccanattc ngtcganacn ncnncgctcn ncngcacnat nactggnan      540
tnnancnna gncnnactg nanntacngn anctacnagc gctgacnntn cntntccng      600
cnngcnngt ncngtanac ncnatcat ntngatntc nnttnatnt acnnatntn      660
antntcgana ntgnntcagc gancntatat nngnganncn acctanagng cacannacan      720
ntcnanacga nacactnctc ncagnnatnt tcngnctgnc tctgntgagn cnetacacnn      780
ngnncacnnc tntancagag taatcnaca ctgtaatcnn tataccanaa ntctnctac      840
gcanancnnc cnnanagcat cncntgctg acgttnacnc atntcnacat ntcnagcag      900
ncatntntca ntancncaa tntcntatgn nctannngtc natcntatat atntntnttg      960
atatgnntnt ncgntancan acacgnacng ngnacanaca ncncactnna nnnangannc     1020
acncancnnc tnangncann nttngnnnnc tcgcnananc gtagnatacg ntactcagng     1080
cntancacnc ganncgcan tatctcncaa nanactnnnc gctnnnannt atcactntct     1140
cntacatcga ntctcngcng atctacncgc tcagtnncnn ctgannnnat atnagnatcn     1200
ctcncatnga tnanantann aancactgnn ncnnncnaacg ngtnngenta naagtaganc     1260
gnnctcg                                     1267

```

<210> 4410

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (462)

<223> n = A,T,C or G

<400> 4410

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tgngactntt tgaactcctg ttctttttgc aggatcccat cgattcgatn atgmnncnan      60
ncactntgan ngtnnattta tnnntttctc cnattccnna actaatggga nnccgggtgct      120
ggtatngann cttggggaaa atacctggag ataccagtgc agctattnaa agctgnagca      180
agggctgcaa tcttgcgag attttaaaga gaagtnttaa agtttctaact actgatgcct      240
ctttttggtg aatacaagtt ttatnaatcc tgccctggga tccctgattcc ccattaatca      300
agatttgcca gacttcacct tctataatta gaaaacacag ttataagaac agtcaatttt      360
ttaaattttc caaattaaaa aattgcacca tgattttgaa caagcacttc caattncatt      420
acccatcttg tatgcatag gtgggagtat aattgncaca gc                                     462

```

<210> 4411

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 4411
 tnnnnnttttn aannttttcc taatgctggt ctcgttcttt ccgcaggatc ccatcgattc 60
 gtttgtgctt ttttaagaata ttttttagact atttcttttt ataggggctt tgctgaattc 120
 taacattaaa tcacagccca aaatttgatg gactaattat ttttttaaaa tatatgaaga 180
 caataattct acatgttgtc ttaagatgga aatacagtta tttcatcttt tattcaagga 240
 agttttaact ttaatacagc tcagtaaatg gcttcttcta gaatgtaaag ttatgtattt 300
 aaagtgtat cttgacacag gaaatgggaa aaaacttaaa aattaatat gtgtattttt 360
 ccaaatgaaa aatctcaatt gaaagctttt aaaatgtaga aacttaaaca caccttcctg 420
 tggaggtga gatgaaaact agggctcatt ttcttgacat ttgtttattt ttggaagag 480
 acaaagattt cttctgact ctgagcccat aggtctcaga gagttaatag gagtattttt 540
 gggctattgc ataaggagcc actgctgcca ccacttttgg attttatggg angctccttc 600
 atcgaatgct aaacctttga gtagaagtct ncctggatca cataccaggc cagggaggat 660
 ctgntcttcc tctacgttta tcttgcatg tgctagggta aacgaaggcn taataagcca 720
 tggctgacct ttggagcacc agtgccagga cttgtcttca tgtgt 765

<210> 4412

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 4412
 gnnttnantt nnnttcctt tcaaatnctt ggctacttgt tctttntgca gggatcccat 60
 cgattcgaat tcggcacgag ggaacctact agatggacag gctgagggtg ttggcagtga 120
 tgatgaccac attcagtnct tgcanaaaaa gccaccacgt gagaatggcc ataagcagat 180
 aagtagcagt tcaactggat gtctctcttc tncaaatgct acagtacaaa gccctaagca 240
 tgagtggaaa atcgttgctt canaaaagac ttcnaataac acttacttgt gcctggctgt 300
 gctggatggg ntattctgtg tcatttttct tcatgggana aacagccan anagctcacc 360
 aacangtnt ncaaaaactaa gtaagagttt aagctttgag atgcaanatg atgagctnat 420
 cnaaangccc atgtctccta tgcagtacgc acgatctggc ctgggaacag cananatgaa 480
 tggcaaacctc atagctgcan gtggctataa cagagaggaa tgtcttcgaa cagttgaatg 540
 ctataattca catacagatc actggtcctt tcttgctccc atgagaacac caagagcccg 600
 atttcaaatg gctgtactca tgggacagct tttatgtggc acgtggatca aatgggccac 660
 tnaaattgac ctgaagtggg ggancagatt aatgaattca aaccatagna tgactgggtt 720
 cctgtttcag aatttgagaa ctaaccggg tgn 754

<210> 4413

<211> 1119

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1119)

<223> n = A,T,C or G

<400> 4413
 ncncacnnnn cantnntcna nanccannnc caannctca cncnnnnnan nntctcnaaa 60
 ccancnnnc gntcnnnat nacncaangg naaggggcan nngattcta gttttnntnn 120
 anttttttga aaggcctttt cnagagtcnc ttggcaagcn gcttctacca gangaattcg 180
 gcacgagaat nntcngtat ntgntcttcc naccctagaa tnacttatan acgtataann 240
 tannctcna aatactnaca ggtntnaaaa taangtnat caantactaa ttttaattctg 300

tttcatcana	aagcacgacc	atcgtggcat	ngaaaactga	gttatagcct	actatcanga	360
tcaatntaaa	aaatatatat	ntagggctgg	ntgcacgtgg	tgacatctg	taancccaag	420
tgctttggga	ggctgaggng	ggtgaatcac	ctgaangtca	cganttcaag	accaacctgg	480
tcaacatgac	nataacccca	tnctacàac	aaaaatgtaa	caaattagcn	acgngttggn	540
nacacacacc	ntatcactct	acntncaatn	ggggggcccga	atncngtnga	anaatccgcc	600
tntgatctct	tnagnaaaca	tncaaangcc	tgctncanaa	gctaatacat	cattgccna	660
cctggaactt	ccaatccntn	atngcnaanc	ancaatctac	ncaccacntg	gtcccnaat	720
atacgaaca	nactcacatc	ngactatctn	aanantncca	nagcnataa	ggnnacantn	780
acnccancan	ntttncannc	nntgccnaaa	nanatacccn	acaacaatnt	ctagnacant	840
atnnacnnnc	ntttacncat	ncnncacat	ntnncccaaa	ctcnantaca	cntccntcac	900
actntcactc	ctctcctacn	tnnncnaaaa	anaactcntcc	gnaacccctc	cntnnantat	960
acctcatnta	taccnnanna	atctcctaac	attttaccat	ntctcntnat	ncccnnnaca	1020
cactttmct	naacnnntc	tcnanataac	gnaanntana	nctctcnang	atntccaaaa	1080
nactncacna	aattttgtcg	caaaaangtn	ntntnaccc			1119

<210> 4414

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (788)

<223> n = A,T,C or G

<400> 4414

gntttntttc	ntttntcttt	caaatecttg	gctactttta	attntctgcag	gatcccatcg	60
attcgnnttn	ggcncnangn	ggatntggct	tntgnggaat	nggatnnnna	gctggtcgat	120
gacggncanc	ggataganan	actgnagnan	ccntgctcnt	tgagnnncag	tgctgtttan	180
gaanangatc	tcatngtntg	nnttgannct	ctgnatggan	ccanggcgtn	taccnaaant	240
attntngaca	ntgtgacacn	tcattattgg	aatngantat	gannnanatg	ncatagcang	300
aganataaac	cagcnatatt	acaactatct	cgcancgacc	ngatgctgng	ntctggaaga	360
caatntggng	agnttttaggt	ntagcgccgt	nnggntttca	nctgntanan	gaacctgntg	420
ngaaanacat	tatcacnnct	actcgntcct	atngcaacaa	gaagnngctg	actgtgntgc	480
tgctntgaac	tcctatgctg	ngctgctagt	angatgagca	ngnaatanga	tnatcagctg	540
annganngcn	aagncctctg	ttattgtntg	ngcaaagtct	ggttgtaagg	anntgaggtt	600
actttgctgt	ttgggnaagt	nctactana	ttntttnttg	ggacngcaan	gntttnnccg	660
ggtganccca	angngnaant	ggnacettan	tnganccnat	naanggnntn	tcnangggca	720
tagtnnanc	tggannaaag	gangttncna	gnnttttann	tncgggaaat	nnnngactta	780
ctttttcg						788

<210> 4415

<211> 1411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1411)

<223> n = A,T,C or G

<400> 4415

ttgtnnnnnn	ngtttttttt	ggcggtaaaa	aaaaaangnt	tttttttttg	ggggaaaaaa	60
nnggggcccgt	ttggctnngt	ggaaaaaacc	cccctttttt	ggggggaaac	cnntttttcg	120
gnggaaanng	nnncncngng	ggnnngnngn	nnnnnggggn	nnngaggggn	nnnnngggnn	180
nnngngggnn	ngngntnngn	nnanngngng	gngggngngn	ntttntttgn	nagngggagg	240

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gantttntng gnggtttttt ttgncgnncg gggngggntn ggggnagnggg gggcgagggg 300
ggggnggggn cngggnggga ganagnaagg nagggngngg angcgtgggg tngngggann 360
gggnnagann aggcgnnatn agggngnggg gnnngggangn gggggagngn gggtagnagn 420
ggggngnggn nngngngngg gagggnnngc gnangggacg ncacagnggg ggtcaannng 480
ngangggann tngngaattc nggnggggcn cgggggcngn nnggagnggg gntgggacag 540
ggtgngngan gccannnagg gngggggggn ngccgagngc attnggtagc angnnnggcn 600
nttcgggggg ngccnnnnng tnanagacgc gngcgggggg ngmanatnca ngggggnagn 660
gnggggaang gcncncngng tntggggggg ganccnntga gggggngnna agnagggggg 720
ggaagncngc caannngtg ntncnggggn nnangngan nnnggggggg gannngngcg 780
ggngaggggg ggggaaccnn gtnnnnngaga agnccnntgn angntgggag ggnncgggnn 840
cangggggng gncanggggn gnaaanantg cnnnnngggg ngnggaggat ggcnggggag 900
cntggggana gatgggggan nnagagcgn ngngngngtg tngggggng gngatnnaga 960
ngttnnnngg gggngggngg gggngngann agngangggg gnnaaaagnn anagggctan 1020
tggggggggg nngannngna aagagggggg gggggggggn ganannngng cgagngngnn 1080
ggnaaanggg gngnaagggg ngntgnnngg gggganaggg gggntntnng ngnggtancn 1140
tngggaannn ggggggggag ngngcagaag nncngggggg gnggtgnaaa angaaantgn 1200
ggggggggnn nnacaggggg gnannaggn nggggggcnc ganagctang gagggggnnn 1260
nnngnggtg ngggggngan ngggagaana gggggggggg tngngnaagg gggggggnnaa 1320
naggggggga nnaaaaagag tngggggggg nagaanngn aggggggagg gngagggngg 1380
ggatgggggg ggggnncacn cannaccgcn n 1411

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<210> 4416
<211> 768
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(768)
<223> n = A,T,C or G

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<400> 4416
gncttttacn aatgcttgcc tacttggtct ntttgagga tcccatcgat tcgnattccg 60
nacanngggc atacttgntg ccttccangn gnactntcac caangtntct ggcgtacanc 120
gttnagancn gcntgaccgc acnccatcgt nangngcagn ngtgccctgc tntgngaang 180
ggggccaagt nccgtntgtc atgcctntga tnccacnact gnnngaagct gatgcangcn 240
gatnacttna ngtcgatgnt tcnanaccag actngccaac atgggtgaaac cntatnttta 300
ctatanacaa gagtagatcg anngtggng nngcacactt gtaatcnnag ntactcnaga 360
tgctgntgcn naatanntgn tttnactctg gagatngang tngnantgan ccaaaatcgc 420
nccnctgngc tccaacctgn gngacanagt aagaccctgt ctcataacaa acaaaatata 480
actcnagcct ntanaactat aggggaagtcn ggattacntn natccngnca tgatanggat 540
acatcgattg antttgnaca nncnacaact tggattgcag gtgaaaaaaa tgcttntatt 600
ttgtgaaana ttncagtgc attgctttta tnttgtaacc nattataagc ttgcaaatta 660
atcatgttta ancaacaacn ngnttgcat catnttatgt ttcaagttn aaggnggaac 720
ggtntnggna aggtttttta antatggcgg tccggcgngg tccaannn 768

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<210> 4417
<211> 782
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(782)
<223> n = A,T,C or G

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<400> 4417
tcnnnctttc taaatgcctt nggnnttccc tttctaattg cttggctact tgttcttttt    60
gcaggatccc atcgattcga attcggcacg agggacaata atggccgctt tcaaggtgtg    120
gattttggct ccttgagcct gtctgagcga ggggtggcag cgccggcgcc ccagaatccg    180
ggacagaagg gtcccaagag tcgcgcttgg tgagagaaat cccagatcct gtgatggggg    240
acaccagtga ggatgcctcg atccatcgat tgggaaggcac tgatctggac tgtcaggttg    300
gtggtcttat ttgcaagtcc aaaagtgcgg ccagcgagca gcatgtcttc aaggctcctg    360
ctccccgccc ttcattactc ggactggact tgctggcttc ctgaaacgga gagagcgaga    420
ggagaaggac gatggggagg acaagaagaa gtccaaagtc tcctcctaca aggactggga    480
agagagcaag gatgaccaga aggatgctga ggaagagggc ggtgaccagg ctggccaaaa    540
tatccggaag gacagacatt atcgggtctgc tcgggtagag actccatccc atccgggtgg    600
tgtgaaccga agagtttttg gaacgcagtc cggcagaaaa aaccggaacc ggcgggaaca    660
tggtgtctat gcctcgtcca aagaagaaaa ggattggaan aaggagaaat cgcgggatcc    720
nagaactatg acccgcaaga agggacnaga nattaaccgg gattagaaag taggcacanc    780
nt

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<210> 4418
<211> 747
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(747)
<223> n = A,T,C or G

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<400> 4418
ggngntttta tcagctcttg ttcttttgca ggatccctcg attcgaattc ggcacgaggt    60
gacgggtgaa gcagatgttg agtttgctac tcatgaagaa gctgtggcag ctatgtccaa    120
agacagggcc aatatgcagc acagatatat agaactcttc ttgaattcaa caacaggggc    180
cagcaatggg gcgtatagca gccagggtgat gcaaggcatg ggggtgtctg ctgcccaggc    240
cacttaacgt ggccctggaga gccagtcagt gagtggctgt tacggggccg gctacagtgg    300
gcagaacagc atgggtggct atgactagtt ttgttaggaa catttgagtt acttcaatca    360
ttttcacagg cagccaacaa gcaattaaga gcagttataa tagaggaagc tgggggaccc    420
attttgcacc atgagtttgt gaaaaatctg gattaaaaaa ttacctcttc agtgttttct    480
catgcaaaat tttcttctag catgtgataa tgagtaaact aaaactatct tcagcttttc    540
tcaattaaca ttttggtagt atacttcaga gtgatgttat ctaagtttaa gtagtttaag    600
tatgttaaat gtggatcttt tacaccacat nacagtgaac acactgggga gacctgcttt    660
ttttggaaaa ctcaaangtg ctacttctctg attcaaagaa atattctcat gttggtcatt    720
ctagtttata ttttcattta aaatcct

```

```

<210> 4419
<211> 748
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

```

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<400> 4419
gnttnnttcn tttcctttca atncttggct cttgntcttt ctgcaggatc ccategattc    60
gaattcggca cgagcagagc tgtgatctgc cccaggtat tctgaccccc aaactggctc    120
tcaaccatgt ttacatgatg aaaagaagag gtgactgttg tatcagctct aaaggcctca    180
cttttgggtga aatgggacct aaatttgatt gcatacttga ttacttgctg tcaataactga    240

```

aattggcact	tcataat	tttt	aatactattg	aactttcacc	ataaccctgt	cctataaagt	300
tgacttgcaa	atgaagaaac	tctatctctt	caatattata	aaatatatcc	aagagtcaca		360
actagtgaga	aaaggacagg	atctaactaa	caatgtgagg	ctgtgtcttc	acaccaattc		420
aacagagtat	cttgtaaatg	ttgagaggag	angtacttta	ngtcatgggg	tgtctttcaa		480
taaagtgcct	tagaaaacag	gtgacaactg	attgggcctt	gaagtatgaa	tggaatttagc		540
caggcaatta	aataggaaag	cagatactca	agacagatta	aaacagcttt	gagagaagtg		600
aaatgagcaa	gtgtaaagac	aattgatact	gnncatggat	tttagaaaagt	gtgaagtggga		660
gtgattgtga	tgaaancttg	gaaagattgc	cttggggccaa	ggctgttgaa	agctttgggt		720
ttgcttanat	taagtcaaat	gccgtann					748

<210> 4420

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 4420

gnttnnttcn	tttcttttca	atncttggct	cttgntcttt	ctgcaggatc	ccatcgattc	60
gaattcgcca	cgagcagagc	tgtgatctgc	ccccaggat	tctgaccccc	aaactggctc	120
tcaaccatgt	ttacatgatg	aaaagaagag	gtgactgttg	tatcagctct	aaaggcctca	180
cttttggtga	aatgggacct	aaatttgatt	gcatacttga	ttacttgctg	tcaatactga	240
aattggcact	tcataat	tttt	aatactattg	aactttcacc	ataaccctgt	300
tgacttgcaa	atgaagaaac	tctatctctt	caatattata	aaatatatcc	aagagtcaca	360
actagtgaga	aaaggacagg	atctaactaa	caatgtgagg	ctgtgtcttc	acaccaattc	420
aacagagtat	cttgtaaatg	ttgagaggag	angtacttta	ngtcatgggg	tgtctttcaa	480
taaagtgcct	tagaaaacag	gtgacaactg	attgggcctt	gaagtatgaa	tggaatttagc	540
caggcaatta	aataggaaag	cagatactca	agacagatta	aaacagcttt	gagagaagtg	600
aaatgagcaa	gtgtaaagac	aattgatact	gnncatggat	tttagaaaagt	gtgaagtggga	660
gtgattgtga	tgaaancttg	gaaagattgc	cttggggccaa	ggctgttgaa	agctttgggt	720
ttgcttanat	taagtcaaat	gccgtann				748

<210> 4421

<211> 1407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1407)

<223> n = A,T,C or G

<400> 4421

ggnttatctn	ttctnctnaa	tncttggcac	ttttattctg	cggatccctc	gattcgaatt	60
cggcacgagg	gctanctggc	ctcgtngnac	tattgtatgt	ttgnngncct	gnngncttaa	120
cacttttnng	cagttgtgct	tnanctaattg	ggctaattgn	tttnaanntn	gnngntntcn	180
anttaacntt	ttctttaaat	ttnaaanngn	tnaataaatt	tctntnaatc	nacccttann	240
ngtatatnaa	nnncatanaa	nnnnannnac	tttnanncnt	atttttnaaa	nnngacacc	300
tnnngatcaa	tnngntnaan	ntttnnatnc	ctanctcnnn	nagnnttttn	nnaanccttc	360
ncctggantt	nttgntcaan	acngaatttt	cmttatctcn	nttgcnnntt	tgngccanca	420
cnnttcntca	ncacctattg	tgnccctnngc	gnannatnnt	ttacnctgc	ggttgntatn	480
nacancntnc	tcttgcatng	cgtcattaac	ctntagtgtg	tccacanaag	natatttttt	540
agaggcgtat	ntntnatcat	agngannata	ctntcancnn	aattagtgtc	ttnaatattt	600

tatnctacta	antgatntct	tggnagngtn	tcatatnnga	tcctaataatt	gttntntatt	660
ttttgtaacc	ctattgtgca	nttcncntat	aatatnnggg	anaatttgtg	cnncttttat	720
nttctctata	ttanacatnn	atattggggg	nannnttacn	actcnnntat	atnnagaaga	780
nctntactcc	ntatgtnnna	nataananac	tnntatacnc	tatattnngna	annagncacn	840
nnttgggann	gcttttanat	tactncatac	atacatgnat	gtntataann	anngcttncn	900
atatnggcac	naaaatactc	tatatgtntt	tgcnttacna	acancactat	tnntatcnta	960
cmttattatn	ntnnntnanc	aaccnactc	ntnttatanc	gnctctctnt	ntnctgtctc	1020
nntatnntnt	cgcnntctcn	tnactntgg	ngntacnta	ttattagaga	ngngnggatt	1080
tatntctcnt	ctgcgcta	ggantnaca	gtncntnnta	tannatanat	tngtncnctn	1140
ncantcaatn	nttatnnctn	tacatgnatt	agcatnatnt	nccnnnttat	tgtttaantn	1200
acaccntca	agatnntcta	ctatgagant	acacancttc	tcanaanant	atgnctcaat	1260
gtanatcntc	ctcactcgng	ntttctgtc	cacatntnt	canaacttct	ancntntact	1320
aatatnntct	aaantnccnc	gtnnatnctc	tncangnngn	ctgcncntcc	tttngnnntn	1380
ncatatgngg	tancatttcn	tcncnct				1407

<210> 4422

<211> 1407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1407)

<223> n = A,T,C or G

<400> 4422

ggnttattcn	ttcctcncaa	tncttggcac	ttttattctg	cggatccctc	gattcgaatt	60
cggcacgagg	gctancctgg	ctcgtgnac	tattgtatgt	ttgngncct	gngncttaa	120
cacttttng	cagttgtgct	tnanctaag	ggctaattgn	tttnaanntn	gngntntcn	180
anttaacntt	ttctttaaat	ttnaaanngn	tnaataaatt	tcntnaatc	nacccttann	240
ngtatatnaa	nnncatanaa	nnnnannnac	tttnanncnt	atttttnaaa	nnngacacc	300
tnnngatcaa	nttgnntnaa	ntttnnatnc	ctancctcnn	nagnnttttn	nnaanccttc	360
ncctggantt	nttgnntcaan	acngaatttt	cnttatctcn	nntgcnnntt	tgngccanca	420
cnnttcntca	ncacctattg	tgncctnngc	gnannatnnt	ttacncntgc	ggttgntatn	480
nacancntnc	tcctgcatng	cgtcattaac	ctntagtgtg	tcacacanaga	natatttttt	540
agaggcgat	ntntnatcat	agngannata	ctntcancnn	aattagtgtc	ttnaatattt	600
tatnctacta	antgatntct	tggnagngtn	tcatatnnga	tcctaataatt	gttntntatt	660
ttttgtaacc	ctattgtgca	nttcncntat	aatatnnggg	anaatttgtg	cnncttttat	720
nttctctata	ttanacatnn	atattggggg	nannnttacn	actcnnntat	atnnagaaga	780
nctntactcc	ntatgtnnna	nataananac	tnntatacnc	tatattnngna	annagncacn	840
nnttgggann	gcttttanat	tactncatac	atacatgnat	gtntataann	anngcttncn	900
atatnggcac	naaaatactc	tatatgtntt	tgcnttacna	acancactat	tnntatcnta	960
cmttattatn	ntnnntnanc	aaccnactc	ntnttatanc	gnctctctnt	ntnctgtctc	1020
nntatnntnt	cgcnntctcn	tnactntgg	ngntacnta	ttattagaga	ngngnggatt	1080
tatntctcnt	ctgcgcta	ggantnaca	gtncntnnta	tannatanat	tngtncnctn	1140
ncantcaatn	nttatnnctn	tacatgnatt	agcatnatnt	nccnnnttat	tgtttaantn	1200
acaccntca	agatnntcta	ctatgagant	acacancttc	tcanaanant	atgnctcaat	1260
gtanatcntc	ctcactcgng	ntttctgtc	cacatntnt	canaacttct	ancntntact	1320
aatatnntct	aaantnccnc	gtnnatnctc	tncangnngn	ctgcncntcc	tttngnnntn	1380
ncatatgngg	tancatttcn	tcncnct				1407

<210> 4423

<211> 804

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(804)
 <223> n = A,T,C or G

<400> 4423

ggttanttcn	tttcctttca	atccttggt	acttggtctt	tctgcaggat	cccatcgatt	60
cgaattcnnn	ncngggaggc	ctncgcggca	tctggnnncn	ttggnatctg	nttngcngnt	120
ngagcgatnn	tcggctgttg	tggacacgcn	tttnangett	ctggtgtgca	tntananttga	180
ttcacatngn	cttacacant	gcctggangc	tgtctnntag	gctaatacna	cttncacatt	240
gggagataca	cctgctgata	gtggnnnatn	gacncnctga	nttaangtgn	tggannngat	300
nngtnttttn	anngnntgg	nnaaactnnt	cntattcnnc	tgatggnact	ttggatcnca	360
ctnctgaggg	anactngtna	tggagcnanc	tngggcnggn	gnaccnncct	nttttttagaa	420
natgaaatca	tacatctgng	ngnntcagtg	ntnnnctgga	tatcngcntc	tgnnttantn	480
acttccacc	anagcatnat	angacctcng	acttancng	ngtcnnagcc	ttctganatn	540
nggntcgaa	gnctgntngg	ctnccttann	nnccctntt	gagnatnatg	atnnaacncg	600
gctttggng	gttccactg	atntgacact	gnctangcaa	gatncccaan	gatggcgant	660
cntcttgcaa	tttgggaagg	aantccnttt	tntncngctt	gntagnatng	ccttnnnnat	720
aaccttgctt	tgaantnttt	taaccccnnt	aatccagntt	ngannttgct	ttaggtaaaa	780
nccaattgca	ntcgnnanan	ancg				804

<210> 4424
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 4424

gnttnncncc	tttcaattnc	ttggctactn	gtctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	gaggatctgc	cttctgagga	agtggatcac	gagctgattg	aagacagtca	120
gtgggaagaa	atactgaagc	aacctagccc	atcgagtagc	agtgtctatta	aagaagaaga	180
tctcgtggtc	tgggttgatc	ctctggatgg	aaccaaggaa	tataccgaag	gtcttcttga	240
caatgtaaca	gttcttattg	gaattgctta	tgaaggaaaa	gccatancag	gagttattaa	300
ccagccatat	tacaactatg	aggcaggacc	agatgctgtg	ttggggagga	caatctgggg	360
agttttagg	ttaggcgctt	ttgggtttca	gctgaaagaa	gtccctgntg	ggaaacacat	420
tatcacaact	actcgatccc	atagcaacaa	gttgggttact	gactgtgttg	ctgctatgaa	480
ccccgatgct	gtgctgcnag	taggaagagc	aangaaataa	gantattcag	ctgattgaag	540
caaagcctct	tgcttatgta	tttgcaagtc	ctggttgtaa	gaaagtgggg	ataccttggtg	600
cttcagaaat	tattttaaca	tgctgntggg	aggcnanntt	taacccgata	tcccatgggg	660
gaatgttctt	tcaantccca	naaggttgtn	aagcatatga	acttttctnn	gagtcctggc	720
ccactgtgga	attatgacta	ctatgcanc				749

<210> 4425
 <211> 727
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(727)
 <223> n = A,T,C or G

<400> 4425

tcnaatnctt	ggctcttgnt	ctttntgcag	gatccctcga	ttcgaattcg	gcacgagntn	60
gagctggaca	ctnagncaca	gttttagagtn	ttgatatatn	actngaaaac	agtancattn	120
ccnaanaccn	atnacccecna	ccctgtccna	angaatgatn	gntatgnatg	tgaagttnat	180
ntntngactc	ngatnatnac	nttccacttn	ggatgcacaa	ccatgctgnc	ctgtacagaa	240
gtcacangtn	ttgtgagaat	ttntaaactg	atgatgtgna	ttnncatggn	aacatgagtc	300
tacattttac	cttcnatagt	agcnatgaat	cacaatnacn	tctttgttta	taggttggty	360
gaaaantaat	tgctgttntg	ccattgcttt	taatggctgc	cacaactact	ttngcacnan	420
cctaataattt	attaanactt	tnctttctng	anacacaatt	nctgaaanng	ggattnatgt	480
gctgagntc	taaggacct	gatantncnt	ngtatnnntn	gttgaatgtt	gnanaatatt	540
tcatnactac	tcaantgatg	gtntatgat	ctggggaggaa	gcctncttna	gcatnttanc	600
canattgncc	agggtttcna	gganaagtct	aaagcctgtn	angataccna	tgggacccca	660
ccnggtgna	anggcttntt	gtcttncggg	gactttgagc	ttaattttcc	cangnaaaaa	720
anggctt						727

<210> 4426

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 4426

cctttcttga	aaccnttggc	nacttnctct	ttntgcagga	tcccatcgat	tcgaattcgg	60
cacgaggagg	atctgccttc	ngaggaagtg	gattnagagc	tgattgaana	cannnantgg	120
gaagaaatac	tnagncnacc	atgcnatcn	cantncantg	ctnttaaaga	agaagatctc	180
ngggtctggn	ttgatccctt	ggatggaacc	anggantata	ccgatggctc	ncttgacaat	240
gtaacaggtc	ttattggaat	tgttatgaa	ggaaaagcca	tagcaggagt	tattaaccag	300
ccatatnaca	actatnaggc	aggaccanat	gctgnnttgg	ngaggacaan	ctggggagtt	360
ttaggtttan	gnccctntgg	gttncatctg	aaagaagncc	ctgctgggaa	acnctttatc	420
acaactactc	nattccatag	naacaagacg	gttactgact	nggttgctgc	tatgaaccen	480
gatgctgtgc	tgcnagtatg	aggacaggan	attngattat	tcagcttatt	nanggaann	540
actctgntta	tnnatttgcn	agnnctggtt	gtnagaattg	ngatacttga	gctccagaag	600
ncattttacat	gctgtnggag	gcangttaac	cgaatccatn	ggnatgttct	tcagtcacc	660
aangatgtta	accatntgaa	ctctggatga	gtactgccac	nctgaggatt	atgactactn	720
tgaagccca	nnacatgngn	gagcccccctn	ctt			753

<210> 4427

<211> 863

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (863)

<223> n = A,T,C or G

<400> 4427

tttgnaaanc	cctttctgtt	gttcaccgga	aacncttggg	aaattcccat	agctncangc	60
annnantgcy	atggcgtgcy	cctgtagtcc	caggtagctc	ggaggctgtg	gcagattttt	120
ggcttattga	acacaggcag	nttggtggcca	ttcagcaagg	agcataatgc	ccctgtnggt	180
gggtgatagtg	aataagcact	cagtgcagnc	aataagnata	taattngagt	taatgcatgn	240
cnaatgatcc	cngtcccttg	ttgaatgtgg	attntnttat	ctcantncca	atacatttnc	300

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tacaaagcca agtgccattc cctggaattg gccnatagca atcnggaatg tnnaccatng      360
gattcactca ctggcagntc aagtctgtga acaccatgaa ggtaaatcaa catgagggtt      420
taaagccaac tttataggct tgctatatnn nccttcctgg tcagcaatan agcccattcn      480
cnggagcttc cngnggggat gactcgtccc agngaattctt cctattaagn naaccnannng      540
gnttaactgn agaaaaggct tncctgnatc tntaagatcc ttttggaac cacntttant      600
ctaccctggc ctncagntc caatttggan agacccgnc atnnancctt tggangaaat      660
ncccaatncc aggaaaccca atggccaaaa cccctntnn aaggnnnctt naacaagccc      720
agggaaaacc naattncnccn aaanattggg gccnntnnnn gggggggggn aaaaaggctn      780
naaactntcc cnaacttaaa acaaangncc ccttgggntt ntcaaaaaaa nggggcnttt      840
nggaanggaa aangganccc cna

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<210> 4428

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (471)

<223> n = A,T,C or G

<400> 4428

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nntttactnc ctttnccccc tctntttgca ggatcccatc gattcgaatt cggcacgagg      60
cagaacngat ccagacanaa antgtntgca ttttaccttn tttccncnc caattcttct      120
tngtaganga nagtancgtc agatgnetct tngcancct nnnctcngtt gnacatngcc      180
tatnctcctt tnagatntan atgganattt gcttatgact tgtgttgnat aacgaggtan      240
aaanattgct gtcttctctg acatncctcc tcaaaganat cattaatgta tgatatctaa      300
taaaccanct antgcatgta acagtgatca gcaaattaat anatnanacc tctattcatg      360
cttaaattat caaagntagt atttnaatga natgtgctat tttcattaaa atntntggca      420
ccatcgagna tganacttac caattgcanc nnaggnantg agccctnacn c

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<210> 4429

<211> 976

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (976)

<223> n = A,T,C or G

<400> 4429

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nggggtataa annnnnnttt nngaatacag ctacttgctt tttttgcagg atcccatcga      60
ttcgcanng ngcncgnnat ntgntngncn atngaactgn cnnngcacat caatattngt      120
gggnttncnc natctntcat nnantgtgna anacagatct gacttggtta tgttngagtg      180
accctganca atgnnngnag acggntaggg gtacacggag cacacattcg tcacaaattc      240
tatnggtgca tnttttgcaa gggncgtttc cagggtgctt attancgann gcaaagggtta      300
cttggcaatt gcaagatttt ncaatgagcc ccaagnaatt cntngancga attgcattgg      360
caccccaagg tttnaggaaa agatnggnaa anccanttac cttcnaattt ccaaccttgn      420
nattttgacc ttggantggg ttttaannaan accccagggt agttacccaa cntnngggcg      480
antttcncaa agtncccnna tcccttaatt ccaccaanna anggnnttaa aanaatggcc      540
taatttcggg cgagttatc gaagaataat cgcttantng tggtncaaaa cttacattac      600
tcaatggaaa cattcaccca attttngaaa gggaatcttt aattcggcct ggcattaaat      660
ccggagntgt catgggcttt cngaattcaa atgaaannng ttatatttct gggngcgaag      720
atcananttg acganaccca atggaangat ctactgatag gcangttacc atcactggaa      780
tctgntgccg gcatttagcc tggctcaata tctaataaaa tgtcaaggct tttnccttgg      840

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gaaaacgggt	tggcattggg	ggagcaactn	ggaacaatgc	agattcaatc	cattaatccc	900
ttttctggtg	ttcaacaacc	aaccattga	atccatctgg	ggtaagtttt	cttgaaacaa	960
gtcancngaa	nttccn					976

<210> 4430
 <211> 765
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (765)
 <223> n = A,T,C or G

<400> 4430						
tnnnnctttt	ctaattgncc	cctnattngc	nggttccaat	nnncannгаа	cgatcccatn	60
gattcgaatt	cggcagcagg	tttttttttt	tttttttttc	agttccagtt	ccactttctt	120
tttatttaaa	taaccgaagc	aacagccgtg	gcacagcaga	gggaagctgg	gttggggcgt	180
gtganangtg	gcagcagnt	ggcctgatgg	ggggactang	tcacagtga	ctccccacac	240
gcctntcagg	ttcagcagtc	atggccatag	gattgggagc	actacggagg	agccatcagt	300
tagtgatgtc	tctccaagtc	ccanagacct	tagggacggg	agctaagtca	gtccctcaa	360
gtagcagggc	cagggcatcc	cagtcagggg	tcacggggcc	cggaaggcat	tttcagcagc	420
cccagcggct	gcattggcag	ctgcggttcg	caccncangg	ttggagaaga	caccancagc	480
aaattcttgc	tgggccttct	naaagctggc	acctgtgcgg	cggtataagg	agtggatccc	540
gtttcagcat	gacaattcct	agcacagcaa	tgccantgaa	gagcagggcg	accagcacat	600
gagcaccgat	actgcttggt	ttgcccttcg	gcaccaccan	agcagaatat	ccaccctgaa	660
tnccaacctg	ggatncaatg	gcctgaggac	aangacacat	tctggacgaa	gaaatganaa	720
naaaacnaga	aatttgatga	actgtactnc	ggaaagcctt	tacat		765

<210> 4431
 <211> 739
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (739)
 <223> n = A,T,C or G

<400> 4431						
gcttcaatnc	tttctaattc	ttggctaccg	gntttctgca	ggatccctcg	attcgaattc	60
ggcacgagag	aaaaacaaca	gagagaaaaa	gaataacctga	gatatgtaga	agctttacga	120
gccaaatcc	aggagaaaat	gcagctgtat	aatattactt	tacctccact	atgctgttgt	180
ggtcctgatt	tttgggatgc	tcatectgat	acctgtgcc	acaactgtat	tttctataaa	240
aaccacagag	catatactcg	ggcactacat	tcattcatca	attcctgtga	tgtccctggg	300
ggtaattcaa	ctcttcgagt	cgcaattcat	aattttgctt	ctgcacacag	gcggactttg	360
aaaaatctat	aataagaatc	tgaaattaac	tggtagtatt	ttggctttta	cttaaaatca	420
tccttgagag	agtattttaa	gaaaagctgt	tcaagttata	aaatatataa	tctggaaaga	480
aatactgtct	catataataa	ttagattgta	atcattgntt	taatctctgt	ctgggaacca	540
agattgaaag	ctgacttact	tctctcttct	gtcttggtga	ccatacggag	cctattatct	600
taaaatatga	tcagaccagt	aaggcttctc	ttactttgct	ctggctctgg	atcaggaaga	660
gctcatgtga	aagtctttga	gaatctctta	tttatcatct	ttctaaaact	gngtttttga	720
gcctggacag	tnctgaaaa					739

<210> 4432
 <211> 1006

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1006)
<223> n = A,T,C or G

<400> 4432

tatcttttct	aaaangnceg	taantgcntg	gttttaattn	ccttggaang	ctnacntgcg	60
ttncgnattg	ggagncaggc	ctcatcagga	ccctgntgac	tcgnggcg	ggagctggna	120
gccaggtct	ncngcccttt	ctctggcttc	cttggnntgc	ctgntggggg	aagggnaagga	180
ggagattaag	gaaangnaag	atgttccacn	ntagantgat	gaggtctacc	ggtncagac	240
catcncttaa	naagagnatc	ccnancctnt	gcctnnncga	aatgtnanct	cctnncaactn	300
ggcncnagt	tatnagcccc	tcngaannnt	gtnacagccg	gacgtcttan	tncnttctgc	360
tcaangatgc	tcnaacncan	ncttnnattn	ggttgmcnga	nnntgcggga	tnnncngcncn	420
natatcnnnc	attgnntncn	cttaantggg	tcttntgncc	ccctttnaat	cccttccant	480
ttgaantcct	tntgtggntt	anaacgnntt	nnngaattaa	tancnncnt	ataccattan	540
antattggta	cacnccctgn	nttaccaaan	ttncaaactgg	gacttttggt	natattaaaa	600
ggntatntnt	ttatnatncn	ctccctattg	gggcncnaat	tcgtatttan	agccttaaaa	660
ctcncctcttc	tattntatan	accnctnccn	ntattntant	ctncccaaan	tttatataac	720
gncnaancct	atcatntatt	tctngcgcac	ttccnngatt	ttnnataanc	atntntcatn	780
gggttataaa	ncctnngntn	aantgtnnnt	ntctntncna	nnnttntnt	ntaatttttc	840
aantgtaccc	natnatnnnn	ncnaanaacc	ttntgttnac	ccngtttcna	nancnntttt	900
tgnntcccat	ttanctcann	nggncttcnn	ttaancannc	ctgggggnnta	atntnnggga	960
nnnnctatct	ntntgatntt	taaatagtat	antngnataa	caannt		1006

<210> 4433
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (474)
<223> n = A,T,C or G

<400> 4433

nanccttaca	agctacttgt	tctttgtgca	ggatcccatc	gattcgaatt	cggcacgagg	60
aaangncnag	cantgangaa	tgtntttggg	ntttggagcc	acattanac	ngnaancctc	120
atgactatat	ccantgtncn	ctcccancag	canatngang	ncatgcatgc	ctcttttct	180
aactananan	anaacnntgg	gctcnngann	ctgngttaca	tcccannngc	tttnatattg	240
cctcatggat	tcattggaaa	tacacgtgna	tacacaaant	cccanatnng	tcttgcattn	300
tattttngan	gcnnngcttct	ncaatannca	nnntctctnt	ntnaaagatt	atttgangna	360
acctaaggtc	cgtgagctctg	tnctntaact	tattgatgac	nnataagnnc	agcattttcn	420
ntcncactgt	cntnannnac	ctgntggnat	cagctcant	gtctnggtng	nacg	474

<210> 4434
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (764)
<223> n = A,T,C or G

<400> 4434

tnnnnttttg	aaantttttg	aaatcnctgg	nttctaant	tnnggcacgat	cccatcgatt	60
cggggatggg	cctatgattg	ttcatgatga	gcatggagga	gtgtcggcag	gaactttctg	120
tgctctgaca	acccttatgc	accaactaga	aaaagaaaat	tccgtggatg	tttaccaggt	180
agccaagatg	atcaatctga	tgaggccagg	agtctttgct	gacattgagc	agtatcagtt	240
tctctacaaa	gtgacctca	gccttgtag	cacaaggcag	gaagagaatc	catccacctc	300
tctggacagt	aatgggtgcag	cattgcctga	tggaaatata	gctgagagct	tagagtcttt	360
agttaacac	agaaaggggt	gggggaactc	acatctgagc	attgttttcc	tcttcctaaa	420
attaggcagg	aaaatcagtc	tagttctggt	atctgttgat	ttcccatcac	ctgacagtaa	480
ctttcatgac	ataggattct	gccgccaaat	ttatatcatt	aacaatgtgt	gcctttttgc	540
aagacttgta	atttacttat	tatgtttgaa	ctaaaatgat	tgaattttac	agtatttcta	600
agaatggaat	tgtggtattt	ttttctgtat	tgattttaac	agaaaatttc	aatttataga	660
ggtttaggaat	tccaaactac	agaaaatggt	tggtttttagt	gtcaaatttt	tagctgnatt	720
tgtagcaatt	atcagggttg	ctagaaatat	aacttttaat	cagt		764

<210> 4435

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 4435

gnttcaannc	ntttccaaat	ncttggtctt	ngntcttttt	gcaggatccc	atcgattcgc	60
tcgcatcgcg	cacttttttg	atcgcatctt	agtctttccg	cttcttgaat	ttctctctgt	120
aaaggagata	tataatgaaa	aggaattatt	acaaggtaaa	ttggaccttc	ttagtgatac	180
caacatggta	gactttgcta	tggatgtata	caaaaacctt	tattctgatg	atattcctca	240
tgctttgaga	gagaaaagaa	ccacagtggg	tgcacaactg	aaacagcttc	aggcagaaac	300
agaaccaatt	gtgaagatgt	ttgaagatcc	agaaaactaca	aggcaaatgc	agtcaaccag	360
ggatggtagg	atgctctttg	actacctggc	ggacaagcat	ggtttttaggc	aggaatattt	420
agatacactc	tacagatatg	caaaattcca	gtacgaatgt	gggaattact	caggagcagc	480
agaatatctt	tattttttta	gagtgtctgg	tccagcaaca	gatagaaatg	ctttaagttc	540
actctgggga	aagctggcct	ctgaaatctt	aatgcagaat	tgggatgcag	ccatggaaga	600
ccttacacng	gtaaaaagag	aaccttagat	nataattctg	ggagttcttc	actttcagtc	660
tcttcagcag	agacatggnt	tcattcactg	gtctctggtt	ggtttcttta	atcaccccca	720
aaggtcgcca	taatanttat	ttgcccc				747

<210> 4436

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 4436

gnttcaannc	ntttccaaat	ncttggtctt	ngntcttttt	gcaggatccc	atcgattcgc	60
tcgcatcgcg	cacttttttg	atcgcatctt	agtctttccg	cttcttgaat	ttctctctgt	120
aaaggagata	tataatgaaa	aggaattatt	acaaggtaaa	ttggaccttc	ttagtgatac	180
caacatggta	gactttgcta	tggatgtata	caaaaacctt	tattctgatg	atattcctca	240
tgctttgaga	gagaaaagaa	ccacagtggg	tgcacaactg	aaacagcttc	aggcagaaac	300

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agaaccaatt gtgaagatgt ttgaagatcc agaaactaca aggcaaatgc agtcaaccag      360
ggatggtagg atgctctttg actacctggc ggacaagcat ggtttttaggc aggaatattt      420
agatacactc tacagatatg caaaattcca gtacgaatgt ggggaattact caggagcagc      480
agaatatctt ttttttttta gagtgtctgt tccagcaaca gatagaaatg ctttaagttc      540
actctgggga aagctggcct ctgaaatctt aatgcagaat tgggatgcag ccatggaaga      600
ccttacacng gtaaaaagag aaccttagat nataattctg ggagttcttc actttcagtc      660
tcttcagcag agacatggnt tcattcactg gtctctggtt ggtttcttta atcaccccca      720
aaggctcgca taatanttat ttgcccc                                747

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<210> 4437

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (741)

<223> n = A,T,C or G

<400> 4437

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ctacccaaac ctgtggcgcg cacttttgaa ttctcagatt gccctgaatt ttgccacttt      120
taaataatgt gctgaataag ctcagcaact aaaaaccatt acccaagaac gtttcttggt      180
agtgaactga tttattctga ttcattatat tccttttggg agattttata ccccttgggg      240
aaataataca acaaaaacat ctcttaaaaa tgctgggatg gggccatata tactagcaga      300
ggccagatgg tcagatatga tttctgcaaa cccatcttga ccttgagtat gtgaaggggt      360
actgtacttt attcctgata cattttgggt tccatgtagg tgttgagctc ctggntttct      420
gtgtttggat gatgaagatt tggacccttc cattcataat ccctttctaa gtgaagggag      480
aggtctggct ggctgntcct tgntattccg aaagccctgg tttggggccc atgttcacac      540
tggctctcag tctagtccag tgcaatgttc ttgagagggt gggacctaata tattaccaga      600
gtagcancaa gagaggaaac gttgtgaatt aagtattcaa ttnaaaaagg aacatgattt      660
ctacctgaaa aaangnanan gnnccnnctt tgattanctt cntaatcctt nnnnatnnaa      720
ncnntcctna annantttaa t                                741

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<210> 4438

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (804)

<223> n = A,T,C or G

<400> 4438

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ggttanttcn tttcctttca atccttggct acttggtctt tctgcaggat cccatcgatt      60
cgaattcnnn ncnngggagg ctnccgggca tctggnnncn ttgnnatctg nttngcngnt      120
ngagcgatnn tcggctgttg tggacacgcn tttnangett ctgttggtga tntannttga      180
ttcacatngn cttacacant gcctggangc tgtctnntag gctaatagcn cttncacatt      240
gggagataca cctgctgata gtggnnnatn gacnncctga nttangtgn tggannngat      300
nngtnttttn anngnntggn nnaaactnnt cntattcn cn tgatgnnact ttggatcnca      360
ctnctgaggg anactngtna tggagcnanc tngggcnggn gnaccnctt ntttttagaa      420
natgaaatca tacactgng ngntcagtg nttnnctgga tatcngcntc tgnnttantn      480
actccaccc anagcatnat angacctng acttanccng ngtcnnagcc ttctganatn      540
ngnctggaa gnctgntngg ctnccttann nnnccctntt gagnatnatg atnnaacncg      600
gctttggngg gtteccactg atntgacact gnctangcaa gatncccaan gatggcgant      660

```

cntcttgcaa	tttgggaagg	aantccnttt	tntcncgctt	gntagnatng	ccttnnnnat	720
aaccttgctt	tgaantntt	taaccccnnt	aatccagntt	ngannttgct	ttaggtaaaa	780
nccaattgca	ntcgnnanan	ancg				804

<210> 4439
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (785)
 <223> n = A,T,C or G

<400> 4439						
gnnnnnnnntt	cccctttcta	atcnccttga	nntcgctctn	tntgnangat	cccatngatt	60
cgaattcggc	acgagagaaa	cacaggtgtc	gtgaaaacta	cccctaaaag	ccaanatggg	120
aaaggaaaag	actcatatca	acattgtcgt	cattggacac	gtanattcng	gcaagtccac	180
cactactggc	catctgatct	ataaatnngg	tggmntcgac	aaaagaacca	ttgaaaaatt	240
tganaaggag	gctgctgaga	tgggaaaggg	ctccttcaag	tntgcctggg	tcttggataa	300
actgaaagct	gagcgtgaac	gtggtatcac	cattgatata	tccttgtgga	aatttgagac	360
cagcaagtac	tatgtgacta	tcattgatgc	cccaggacac	agagacttta	tcaaaaacat	420
gattacaggg	acatctcagg	ctgactgtgc	tgncctgatt	gttgctgctg	gtgtnggtga	480
atltgaagct	ggtatctnca	agaatgggca	nacccnaaag	catgcncctn	tggcntacac	540
actgggtgtg	aaacaactaa	ttgtcggngt	taacaaaatg	gattcacttg	accaccctan	600
aggccngaag	agatattgan	gaaattgtta	aagggaagtca	gcacttncat	taagaaaatt	660
ggcctacaaa	tccnnganac	aataancatt	tgtgccaat	tnnnggttgg	gaatgggtga	720
ccaacattgc	ttggagccca	agtgnttaac	aatgccttng	gttnaaaggg	antggaaaag	780
ttacc						785

<210> 4440
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 4440						
ngatatcggg	cgctgagggg	ccaagtggga	ggcctngnna	ggtgtggagg	tggattccgc	60
tccgggcacc	gatctcgcca	agatccctnag	tgacatgcga	anccaatatg	aggncatggc	120
cgagcagaac	cggaaggatg	ctgaagcctg	gttcaccagc	cggactgaag	aattgaaccg	180
ggaggtcgct	ggccacacgg	agcagctnca	gatgagcang	tccgaggtta	ctgacctgcg	240
gngcaccctt	cagggctctg	agattgagct	gcantcacag	ctgagcatga	aagctncctt	300
ggaagacaca	ctggcagaaa	cggaggcgcg	ctttggagcc	nagctggcgc	atattcaggc	360
gctgatcagc	ggtatttgaa	gcccacttg	ggcgaatgtgc	gaagctgana	gtgaacgggc	420
agaatcagga	gtaccagcgg	ctcatggaca	tcaagtcgcg	gctggagcan	gagantgcca	480
cctaccgcga	gcctgcttag	ggacagggaa	gatcactaca	caatttgtct	gctcaaggctc	540
tctgaggcag	cagctctggg	gcttttgttg	tccttggagg	tgttttctgg	tagagggatg	600
ggaaggaang	gacccttacc	ccgggttttt	cttgactgca	ataaaaattat	tgggcaagga	660
aaaaaaaaaa	aaaaactcca	gccttanaac	tatanngngt	cggnttctta	aatccagaca	720
tganaanana	nattnttngt	ttggacaaac	ccaacttnaa	tgcnatggaa	aaaatnnttt	780
tttttnnaa						789

<210> 4441
 <211> 1450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1450)
 <223> n = A,T,C or G

<400> 4441
 ggnnnnnncnc nntttttncn cncccccctt acattcgaaa aaaaccccc ctttttgggc 60
 ccaaaaaaaa ncccccccc ctttttgcn aaaaaccccc cttttggcna aaaaaacccc 120
 cttttgggga aaaaaaancn ttncncncn cnnccanacn gnnnnnnncan cccgannaan 180
 naggnnnncan nannnnnnnn nnnngannan nnnncncnn attatttttn nnnnnncnna 240
 nnnngnnnnan annnncnann aaannnnna nnnncnnttn annnnnnanc annnncnnag 300
 nagngnnnnn ncannanaan nnnngnnnnn nanaancaac nanaannngn gngggnnnnn 360
 annnannnnng ngnggcacnn nnanacnaac anacnnnnnn nananannaa nacannnana 420
 cngnccnnan nannanannn ganannannaa naccaannnn nnnancnnaa nncannannn 480
 ncngaggnc cccccncnc ccanancaga aagaagacan ganannnnan ccagaangan 540
 cncanannac aaanacaacn anacnaanaa caaanaanaa aacanaanna anggcnnaaa 600
 nnnnncaaac aaaaannngc nanacnagga cganngcgac aaacnacncc nagacatana 660
 caacanacaa nacanacnaa canaanannc naacannaaa cagaacaaga cncagncaga 720
 cngnancann ncncganacn cnaacaacaa ncngccaann ncanaancaa ananacncac 780
 anaacanana cnanagnnna aaaangaagc aaanacgana cnnanannng aagnanncac 840
 ncacanncna nagcaccgac anagnganan gacanganag annnaancca acaanngaac 900
 aaagacncgg nagnacaccn nacnnaagaa agcaacnaan ancncacna acancngnac 960
 acacacacan nngnganaaa canaccgna acaanacang ncaaacgnan acnaagcaca 1020
 nnnncnnaaa gcgacnngng aaagacaacg acacancaga nnacgacgaa nngancaang 1080
 nanagacgaa acacgnaccn nggaaannca aagnaacang cacncacacn ngacnacaaa 1140
 canannncga cganacgnaa agaacgngna cncgnanann ggnacacaaa cnaancacaa 1200
 cgaacgacan agcgcancn acgcnacacn ngcccnanga nanncgagca cncagncgac 1260
 gncgnananc acgccacaca ncnaacanta aannnggan nagaancng gnggagantc 1320
 gacannngga cacagaacac anacnncann ancaccnnnc ganacaacaa cnagcgnaca 1380
 cnacgaacac anacancaca ccaacacgna caacangnac aacnnagacc nacnacccnc 1440
 gaccccaacn 1450

<210> 4442
 <211> 1450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1450)
 <223> n = A,T,C or G

<400> 4442
 ggnnnnnncnc nntttttncn cncccccctt acattcgaaa aaaaccccc ctttttgggc 60
 ccaaaaaaaa ncccccccc ctttttgcn aaaaaccccc cttttggcna aaaaaacccc 120
 cttttgggga aaaaaaancn ttncncncn cnnccanacn gnnnnnnncan cccgannaan 180
 naggnnnncan nannnnnnnn nnnngannan nnnncncnn attatttttn nnnnnncnna 240
 nnnngnnnnan annnncnann aaannnnna nnnncnnttn annnnnnanc annnncnnag 300
 nagngnnnnn ncannanaan nnnngnnnnn nanaancaac nanaannngn gngggnnnnn 360
 annnannnnng ngnggcacnn nnanacnaac anacnnnnnn nananannaa nacannnana 420
 cngnccnnan nannanannn ganannannaa naccaannnn nnnancnnaa nncannannn 480

```

ncnngaggnc cccccncnca ccanancaga aagaagacan ganannnnan ccagaangan      540
cncanannac aaanacaacn anacnaanaa caaanaanac aacanaanna anggcnnaaa      600
nnnnncaaaac anaaannngc nanacnagga cganngcgac aaacnacncc nagacatana      660
caacanacaa nacanacnaa canaanannc naacannaana cagaacaaga cncagncaga      720
cngnancann ncncganacn cnaacaacaa ncngccaann ncanaancaa ananacncac      780
anaacanana cnanagnnna aaaangaagc aaanacgana cnnanannng aagnanncac      840
ncacanncna nagcaccgac anagnganan gacanganag annnaancca acaanngaac      900
aaagacncgg nagnacaccn nacnnaagaa agcaacnaaa ancncacna acancngnac      960
acacacacan nngnganaaa canaccgnaa acaanacang ncaaacgnan acnaagcaca     1020
nnncnnacaa ggcacnngng aaagacaacg acacancaga nnacgacgaa nngancaang     1080
nanagacgaa acacgnaccn nggaaannca aagnaacang cacncacacn ngacnacaaa     1140
canannncga cganacgnaa agaacngna cncgnanann ggnacacaaa cnaancacaa     1200
cgaacgacan agacgcanc acgcncacan ngcccnanga nanncgagca cncagncgac     1260
gncgnananc acgccacaca ncnaacanta aannnggann nagacancng gnggagantc     1320
gacannngga cacagaacac anacnncann ancaccnnnc ganacaacaa cnagcgnaca     1380
cnacgaacac anacancaca ccaacacgna caacangnac aacnnagacc nacnaccnc     1440
gaccccaacn                                     1450

```

<210> 4443

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 4443

```

ccttggnnag nngccccctt naaanccttt gaaaaccctt ggcaaangcc ctnnncngnn      60
gatcccatcg attcgaattc ggacgaggag aggatcactt gagcttagga gttcaaattcc     120
agcctgagcc aacataacaa gactttgtct ctaaacaaaa cagttattgt ttaaagaatc     180
tgaaatcttc atctttaatt caggtagcac cgactcgagc ccaagtttgt ttgatatcca     240
gttccaagtc tggagagagg catctntatc ttattaaagt atcgagagac aaaatatcag     300
acagcaatga ccaagagtca gcaaattgtg atgcaaaagg gctatcaaag ggaggctttt     360
tacagagaac taaggaagag aaggagggtg ttaaagagac ttgagatcag aaaaagatca     420
agaacaaactt gaattctcaa gtatgaattt gaagtatttt gctgagcaaa catttgatg     480
cctgtatgta ccgtaatcct ctatcactgg ggtccccaac cccggtacca gcccggtggcc     540
tgctagggac tggggcccgca cagcaggagg tgagcagngg gtgggcaagc cgaccattcc     600
cacctgagct tnccttcct gtcagatcag cancagcgtt agattctcat aggagtgcaa     660
ccctattgta aactgccatg cnagggatct aggttgacg ctccttatga ggaattgaat     720
gccctgatga acttgncaact gncttccatc acccccagaa ngganctggc taacc         775

```

<210> 4444

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (799)

<223> n = A,T,C or G

<400> 4444

```

ntcnannngn gtccttggcc cttgctnttt ntgcaggatc ccatcgattc gccaacgagt      60
accagctgat tgactgtgcc cagtacttcc tggacaagat cgacgtgatc aagcaggctg     120

```

actatgtgcc	gagcgatcag	gacctgcttc	gctgcgctgt	cctgacttct	ggaatctttg	180
agaccaagtt	ccaggtggac	aaagtcaact	tccacatgtt	tgacgtgggt	ggccagcgcg	240
atgaacgccg	caagtggatc	cagtgttca	acgatgtgac	tgccatcatc	ttcgtggtgg	300
ccagcagcag	ctacaacatg	gtcatccggg	aggacaacca	gaccaaccgc	ctgcaggagg	360
ctctgaacct	cttcaagagc	atctggaaca	acagatggct	gcgcaccatc	tctgtgatcc	420
tgttcctcaa	caagcaagat	ctgctcgctg	agaaagtcc	tgctgggaaa	togaagattg	480
aggactactt	tccagaatth	gctcgctaca	ctactcctga	ggatgctact	cccgaacccc	540
ggagaggacc	cacgcgtgac	ccgggccaaa	gtacttcatt	togagaatga	agtttcttga	600
nggatcaagc	acttgccagt	nggaaaatng	ggccgtnact	tactggttac	cccttcattt	660
tnaacctnccg	cttgtnggga	aaaacttggg	gaaacaattc	cgnccgtngt	ggtttcaaaa	720
cggaactggg	ccnnggaca	attnanttta	agcgggcaat	ggccaccctt	ttgggtcaan	780
gtncnnaagc	ctggttttt					799

<210> 4445
 <211> 890
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(890)
 <223> n = A,T,C or G

<400> 4445	
gaaaggggag	ngnanntttt naanggcgtt ctaatgntgg agcacgannc tanaaagcgg 60
gttnnggcacg	agcctgnanc tgcccggtgg caccacgggn aactgtctt ccgggacctg 120
ngggcccaga	nnngctgggt gacgggnctt cctaacagag tacgcggggc cccttttcat 180
ntacctgtct	ttctacttcc gagtgcctt catctatggc cacaaatatg actctacngt 240
ccagtcggca	tacagtgggt cacctgcct gcactctgtca ctcattccac tacatnaagc 300
acccggaata	nagcccgtg ccccgatcgg aaaaaanaa aatnaanann atancctnna 360
tgnataanca	aaacttgnnc ctnttaaanc ttagtgagtc ngaattacnt naaatccaga 420
ccatgatnga	gatccattg atgaagtng gnacaagccc ncancctaga aatgcnangg 480
aaaaaaaaat	tgctttaatt ntgttgaaaa tnnngnga atgcncatnngc ctttantntg 540
ntnacgcnat	tattnaagcc tngntantta acccaangta tatccacca acaaaatggc 600
atancaattn	tatanggttn nanngctntc agnngcgnn aggttgcnt ganagngnt 660
nttcnnaatt	ncctnccgga nctgagngag ccccaaatag cntttggggg tcccnggntc 720
acctcanacn	tnccgggata tannccntac gnaannanng gggctctaaan ttgggcncca 780
ccttgngngc	gnnaaantc tnnnnggnt cnaataannc ttnnttntc ntnnngngtt 840
naanaatntg	nanatatacn cncgtataca tanacanntc tcnctgnccg 890

<210> 4446
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(740)
 <223> n = A,T,C or G

<400> 4446	
nnntggnnn	nnnttttnn nngngcnttt tatagnncgc tcttgttctt ttgcaggat 60
cccactgatt	cgcagcaggn ttgccnngtg gctgntatgg catctatann antttcaggg 120
ttncntaac	cnngggncct ntgcnnatgan tgacngtggg natcntgtng tggttaangan 180
cncaggacnc	nttgmatntn ntggaaacaa atggnaacan anngtatcct ctngggatac 240
tggtcnccca	nttggnntaa cacaggtanc agctgctcan ntnnacctga gggatccaga 300

```

ggcnnttgctc aaactagcta ttcattggcat gctgccaana aaccttcaca gaggaccaat 360
gatggaaaagg ntgcattctt ttcagatnc tntattccag aanatntnct nangaatntn 420
cnagangagc ttntctcaanc ncgaaaanta cctaaacgtn tanatgagtn acacacgaag 480
aaatggacgc cttcccaaga ttgtggactc cacctgacna ttatcggcta tangagagta 540
anacttgnaac anaataacag tgaagtgatt gaaactttct tctgangagt ttctctacct 600
acaggatgga gttaaact gntacagntc acacctgttt tatgtgcnga atcactgtgg 660
ggaaaggtagc tgacgtgtan ncttcaata gganattgga ttgaaatntc actttattga 720
accattttta tgnatctga 740

```

<210> 4447

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1221)

<223> n = A,T,C or G

<400> 4447

```

anggccanng nnttttttcc caaaaagngg ccccnctttt ttccnaaaaa cccctttttt 60
gccaaaaaan ncgccttttg gggccaaaan anntgccccg cngnncnnn gggtttggnn 120
cncnnaaaan nnnnnccccc ncnnannnnn cncnnnnnnc ncnnnnnnnn nnnnnnnnnn 180
cannanncnn nnnnnnnnnn ngnnnnnnan acnnnnnnnc tttttnnnnc nnnnangnnn 240
gngggggnna annnnnnnnn cngngnggca nnnnnnnngn ggggnanann ncaanngann 300
ggncncncnn nagacaacnn nnncnnnana nnananacna anncncnnn nnnnanaang 360
nnncncnnnn annannncna nnnncngnnc ccccccncgc nccngnncnn gnggcgcaan 420
acntnanncn nnnnggnann antnecgagan tgnccnaatn anngcncac annaagncca 480
naaccacaat ncnnnanaac tntnnnatn ngaanacanc cagancccaa anaccnngnn 540
aacacnnaan nanaaccan ctnaaganna cgcagngn annaccaan acncncaann 600
nccagnnnna ccnaacacca cgcannncct naanacanac nananncaaa ncnatngnnc 660
cacgagtng taacnnnnna accnacnaac acncagncgn ncanacnnc nannnnnatn 720
accnacacnn cncgnaaan acngacnaac aaatcnaana agcncnnnna nttnancaaag 780
nanatnncan cnnnacgacn tananantan ccacnnnana cacacacnec acgagncaac 840
aacnaccatn ncngcacgn accnncngtc tnnncacaan acactannca nccaccgna 900
aagaagaaac tanccaaann tnnacgancn acctctnnaa gnccgcgag annacnannc 960
acgnccaan tnacacnna cncncnnaca cncnaacgtn ccannacata acnngaacca 1020
naccacngca ngaannnnac annncaagnn annacancan ancnggaac nnnagcngc 1080
ancancnac gncgcaannc gacanaagnt anagaagaac nacnaaacnn annncaaann 1140
naannaacc tacccagann gttnacacna cacantnncn cnnacgagcc gcattnnnncn 1200
ananacgacg gacancaacc c 1221

```

<210> 4448

<211> 910

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(910)

<223> n = A,T,C or G

<400> 4448

```

gnnntttcaa atagctaggc tactngttct ttttgagcgc atcccatcga ttcgtgttaa 60
tcgtgtggtg ataactctgt cctcctttta aagcgaattc tctactgaa ggtctgtctc 120
gcttaaggag ctacaaactg ctctcaaaag aatgaaatac tgagttccaa ttcagtgagg 180

```

cacagtgttg	gactatggca	catttagttg	gagtcggggg	gaggtcagga	atatgatcag	240
ataatggatt	ttatacctta	gagcaaaatc	tattagtctc	tctcagttta	tcaattttaa	300
tggctttagg	cttatagggg	gtgtaaactt	taagaatata	attctcccat	tcaagtttac	360
agcaaacatc	tagccacctt	caaaacaaag	aataacaga	ccatcattta	gcaatactaa	420
tacatgattt	tccttgggga	tggcaggttt	gagaatcctt	tagcaacagg	acatactttc	480
cctaaattan	cnngggaatt	atttttttac	ccgggggtta	aagcttttca	ggntnccaaa	540
ncttaaaggt	gggggttgtc	ttaaccaacc	taaaaaaact	tnttcacctt	aaaattcttc	600
aaaaggaaga	aaaagttnct	ttggccaaaa	attttggtaa	aaagtttcca	caaanggggt	660
ggcaaaaacc	attttttccc	ctttcctttt	aanggccntt	ttnaatcctt	aaagggaaaa	720
ggggccttnt	ttgaaaaaac	ttggggggccc	ccaatctggg	tanttaccac	gggcctttcca	780
aaaattttac	ccgttttttt	tnaaaanggg	aaaggaaaat	cttnttgncc	aacctttnaa	840
gggcntttat	ttggccaggg	gaaaaatacc	cttcnatttt	ngggnantgg	ttaaaaaaan	900
ttttatttgg						910

<210> 4449

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (783)

<223> n = A,T,C or G

<400> 4449

gnnttttnnan	nncnngnttt	ctaattcctt	tcnaatnctt	tggnancggt	ctntatgcan	60
gacccatcga	ttcgggaatc	tcctagaaaa	gttgtgattt	tcgagccata	tccttctgtg	120
gtagatccta	atgatcctca	natgttggcc	ttcaacccca	ggaaaaagaa	ctatgatcga	180
gtaatgaaag	cactggatag	cataacttct	atcagcnaaa	tgacacaagc	accatatctg	240
gaaatcaaga	agcaaatgga	taaacaggac	ccccttgctc	atcccttact	gcaatgggtt	300
atatcaagta	atagatcaca	tattgtgaaa	ctgccagtta	acaggcaatt	gaagtttatg	360
catactccac	atcagttcct	tcttctcagc	agtcaccag	ccaaagaatc	caattttaga	420
gctgctaaaa	aactctttgg	aagcaccttt	gcatttcatg	gctcacacat	tgaaaactgg	480
cactccatcc	tgaggaatgg	tctggttggt	gcttctaata	cacgattgca	gctccatggt	540
gcaatgtatg	gaagtggaat	ctatcttagt	ccaatgtcaa	gcataatcatt	tggtactcag	600
ggatgaacaa	gaaacagaag	gtgtcagcca	aggacgagcc	agcttcaagc	agtaaaagca	660
gcaatacat	cacagtcacn	ggaaaaaagg	acagcaatcc	caattcctgc	caaagccgta	720
acttaaaatg	catagncctt	atgtgaaagg	gatcaccttc	atctggacct	gcacaaacat	780
ggc						783

<210> 4450

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 4450

gntnngnnnc	cnttntnagg	gggtntaatg	cngctctggt	cttttgcagg	atccctcgat	60
tcgaattcgg	cacgaggaat	acctcaaacy	tctaccatta	cngtggggta	ganttttagcc	120
cacntntgcc	tttncancnt	angggttntt	cmtaagaaga	antactttga	ttctgaactt	180
gagcttatga	catacattaa	tgaaaactgg	gatagattgc	accctggaga	gctggcngac	240
acacccaaaat	ctgaaagata	tgagcatggt	ctggaggcat	taaatgatta	caagaccatg	300

tttatgtctg	ggaaagaaat	acaagaanaa	gaagcatttg	tttgggttgc	gaattcgtgt	360
tcctcctgtg	ccaccaaatg	tggctttcaa	agcagagaaa	gaacctgaag	gaacatctca	420
tgaattttaa	attaaaggca	gaaaggcatc	caaacctata	tctgattcaa	gggaagtaaa	480
gcaatggcat	ataaaaaaaaa	ggaaagaaaa	aatctgtagg	tcgtccacct	ggcccatata	540
caagaaaaat	gattcaaaaa	actgctgagc	cacttttggg	ttaaaggaatc	aatttcagag	600
aatcctactt	ttggatttac	cttggncctat	agggagaaact	gagggaaactg	ccattcatcc	660
agtacctcag	atgtgggatt	ttacnggtgc	ttncagtgc	aaaagaaact	accttcgcta	720
gcattttcng	gccattatga	ttattn				746

<210> 4451

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(769)

<223> n = A,T,C or G

<400> 4451

gaccnatcgg	ttngngagac	ngcctnccnn	tcnnncngcn	tctgnnggnt	gntnttttga	60
cacggtctcn	ngtgaaagta	cncacncact	cacacgnnaa	tgggcattgc	acccactcc	120
tgctcaaagn	gctgnacgcn	gtcatgngta	gaattnctgt	acgcctgnnc	tctgncccnt	180
anngcngant	gggccacnnn	tntntatgan	cgcgacacca	angtgagtct	gacctttctg	240
acttgannna	caangtttgn	gggggctgnc	attcgtgntt	tnngngcnct	tnnaancatn	300
ataggaganc	ntnatnnncg	actgggaacn	nnctnnacac	atnctatctg	ngaantcatg	360
gggatcatng	gaggaaaccc	ttgtgctcga	aaataacgtg	ngtcaaacat	gcactcatgn	420
gncnnggcnn	accacncntn	gnctgtttcc	tacctaagg	ataccatgg	atgnacactt	480
acngtaattn	tgcaaagtng	gcaaanatnt	tctcanancg	gagcctaacn	gnctaaatna	540
aaggtntttc	atnccagg	ncttgtaaat	atnggcnaaa	tntggcnaac	aagnggttga	600
ctcactttaa	aaggtgnaat	aagattttcc	ncattnttn	aaaaggaacc	tggnggaaaa	660
agntaagggc	caaanccttt	aagncncttt	ncnggnaang	gtttggccaa	atccgggggt	720
gnggggncc	aanaatgnnt	ttcaggagga	tnnggnaaac	tttttttct		769

<210> 4452

<211> 1366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1366)

<223> n = A,T,C or G

<400> 4452

ananaanann	annnnnnnaa	ggnaaanana	nnnnnannnn	naanangnaa	ananaanann	60
tnnanaannn	aagngnttc	nanncttttc	aaagcttgga	aaacgcannc	aannnnnggg	120
aaagcaagaa	agaacagcta	aagnnngncn	cagaganagc	ttttangang	tntangaaga	180
aggaatanann	gnggncaata	nnnnannnnn	ngaaantatc	atganacnca	aatganggan	240
aaggcagcac	aagctgngca	aacagctatn	gngacggggg	ggccggggaga	gnctaaangn	300
cananatnca	atatataagg	actgcatgcn	aaggggatacn	aaacaagnan	actnntctag	360
gaagaaataa	ntnttgacnt	ancnnacntt	cataacgaat	agcaccgtac	atcgagncaa	420
ccaactaana	ggnctaagga	aatggcaaan	nacnttaatn	nntgagcnaa	ggaagggngt	480
atngnccnan	anngaaatgc	ntcntaacca	anttttaatn	gtaacggnat	nangatnaan	540
ncntnanccc	acgcaactca	aaaanattac	attanntaaa	aaaganctat	ancaaaacta	600
gtntttcaaaa	tngnacgagn	aaatgggnaa	nantttntnn	ccgggaaaat	tggnagagat	660

ccanaaacac	tggnatnagg	naatanatgn	ccgccnaaaa	aaacntnac	cataggnatn	720
ggctancata	gangagatat	ancnatnagg	ggatcaanan	cntaggnatt	ngaaaantaa	780
ncgagttaaa	acancnagat	nnggnantac	gaganatagc	ttggacngt	atcaaatcgg	840
accctnggat	gggcntangg	aaaaanaaaa	aggntngagn	gaanttcctc	anaggaanng	900
tganagagcn	aaanaanatn	aagggccttg	gngaaaangg	aaaaacagat	agngtcatnc	960
natatatncn	natgananan	tggggnaatn	taatctacnn	tanatnnggg	ggaaaaaat	1020
cnnncatgac	nnnaaaanga	gntaatgna	nnatgagaga	ttaaaccnat	aaaacnagag	1080
aantttgngn	aaanctgnga	gataaaaaat	aaataaattc	tntntggaac	atntanaccn	1140
tctatnnaaa	aaaaagaggg	gaaaccatct	ngattatgca	cananaaatn	tnacntngng	1200
gaaataaatn	gggnacaata	acatatatgn	ggatgtacan	tnntggncng	aaaaactata	1260
caacntgaga	nnnnacnang	atataaagcn	nnaggngatn	tatangggca	tcatcaangg	1320
gaagntataa	agcaactgna	nnctcatata	naaaactgnn	cnncaa		1366

<210> 4453

<211> 852

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(852)

<223> n = A,T,C or G

<400> 4453

tgatcctcag	gcnnctggga	tgacacgtna	ancatagaag	ctggaggagg	nggncncg	60
cttgntcata	atttaaaaaa	attaaaaana	cgcaacagcc	gcttttctta	atccatatcc	120
cttttaaanac	acagaggcng	gtaatnagt	naatagaaga	atgntnttgt	ntcttcctac	180
ggtgacngtt	nttatnncac	nggnttcttt	agcaggactg	ttctactcaa	cctctgtgga	240
anaaaactnt	ccncagggct	gnctaacaca	nncagccttt	gctttttacan	cctgctcttg	300
cctattacca	taccactgta	tgtnttcttc	cacctntgga	cnnggatggg	tattaaactc	360
ttnaggcatn	antgatgcaa	ctanagtcaa	tatgctgtnt	ntattaatga	gagctcttgg	420
gcatccatnt	cntgaaaagt	caantggatn	gaattnagnt	ngcggganag	aggcttttnt	480
ttgctcatat	nacgctnatg	gactggggna	ggctnaaatt	gcaaagtctg	cttttaattg	540
cnctcttgga	tcnaccatg	aaaaattgga	aggctcttga	cnaataactg	gtggngtcan	600
aaananaaca	tttttgacnc	nggtcatgnt	ntggagaatg	aacatcccta	aatcnaccat	660
gtggaagacc	natttcataa	atncattcnt	ntaanaaaaa	attggnaaat	ctttnttttg	720
ctttggtngg	aacaactttt	aangggcttt	tngcgaagt	caccatgggt	aangggatgg	780
acttgnaatt	aaattncccn	aagggaattna	anggttgggg	aaataatncc	cctnttaaag	840
ggaaaaaaa	ng					852

<210> 4454

<211> 799

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(799)

<223> n = A,T,C or G

<400> 4454

tggtttttnn	ngnggggggg	ttttctaatt	gcagtcaann	tngntgtcct	anncccgntn	60
ccncngngcg	ccnaacttg	gaggtggccc	gcttcagac	catggaggag	aagaaagcat	120
tcattntnac	cactgaagaa	agaccgaatt	gcaaaggaag	aaggagctta	atgccaggaa	180
cagattttgc	agttggtggg	gtctcaataa	aagtttggtt	cagtggaaaa	taacttttat	240
tgagacaaaa	aaaaaaaaaa	aaaactcgag	cctctagaac	tatagtgagt	cgtattacgt	300

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agatccagac atgataagat acattgatga gtttggacaa acnacanctn gaatgcagng      360
aaaaaaatgc tttatnngtg aaatttgtga tgctattgct ttattngtaa ccattataag      420
ctgnaatana caagttanca ncaacaatng cattnathtt atgtttcagg ttcangggga      480
gggtgtgggag gtttttttaa ttcnccggcg cggtgccaat tgcattgggc ccggtcccca      540
cnttttgunc cccttttagtg anggtcaatt ncgcgcttgg ccttatcntg ggtcatagct      600
gtttcctgtg tnanatnnaa tgnctttnc cttttcnac aattnaagtn gcnnnagaaa      660
tccanactg ncaanttggg ggcanncacn gcttgntaaa tnnnggtattt ttcnaggagc      720
ttttaantan ntnggntcaa nggnacaagc nannttagct ccatnggctt ngacctcnt      780
tannaaccaa aatgnttnn                                     799

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<210> 4455

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (793)

<223> n = A,T,C or G

<400> 4455

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gnannngccn cgnttttgat tcccctnttt caaatccttt gnaaatcgcc ctncctgttt      60
tgatcccatc cgattcgaat tcggcacgag atggcagttg cttttgaagt atatgatgnn      120
ttcctccact acaaaaaggg gatctaccac cacactggtc taagagaccc tttcaacccc      180
tttgagctga ctaatcatgc tgttctgctt gtgggctatc ngcactgact cagcctctgg      240
gatggattac tggattgtta aaaacagctg gggcacccggc tgggggtgaga atggctactt      300
ccggatccgc agaggaactg atgagtgtgc aattgagagc atagcagtg cagccacacc      360
aattcctaaa ttgtagggtg tgccttcagc tatttcataa tgatctgcat cagttgtaaa      420
ggggaattgg tatattcaca gactgtagac tttcagcagc aatctcagaa gcttacaat      480
agatttccat gaagatattt gtcttcagaa ttaaaactgc ccttaatttt aatatacctt      540
tcaatcgcc actggccatt tttttctaag tattcaatta agtgggaatt ttctggaaga      600
tggtcagcta tgaaagtaat agagtnttgc ttaatcattn ggaattcaaa catgctatat      660
tttttttaaa aatcaatgtg aaaacataga cttattttta aattgntacc aattacaata      720
aaaataatgg gcaattaatt tttnaaaact ttttaaaata gnatgctcat atttttaaaa      780
ataaaanttt tnc                                     793

```

<210> 4456

<211> 1095

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1095)

<223> n = A,T,C or G

<400> 4456

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cgnnnathtt nccgccctc ctgggaaaat cnccttgncn ngtgaaaaaa cncntgggtg      60
aaaaaccctt tttggcaaat tttcgttgna aaaannntnc ccccgannnn gnnnttnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttt tttcnncc ccntttttt      180
tttcngnnnn nnnnnnttn nnnnnnnnnn nnnngggggg nnnnnnnnnn nngggggggg      240
annnnnnnt nngnnngnn nnnnnnnnnn nnnnnnnann cnnnnnnnn nnnnnnnnn      300
nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnaannnn nnnnnnnann nnnnnnnnn      360
nnannnnngg ggggcggggg gnnccgnnna cgacnynana nnagnnacna cngaananan      420
nagnannann nnnnnanaaa annnnnanag nnaanacgna gnaanaanaa gnnnnanaaa      480
ngannacgnn nnacanann cnnanaaann nacaacnann acaanatana nanncncnag      540

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annaananac	ncnagaanaa	aannaagaan	nnaagcnngn	nncgnaanan	ccctaacnca	600
nanngaaagn	acngananan	nnccgagann	aanagnnaag	aaagnaacan	agnngnnaga	660
ngagaaagac	nannagaacn	anaanganan	angcannnng	cncncnctna	naaananana	720
nnatananga	tnnaancggn	ganagnaann	acnagnncga	cgcgnnnngan	anngaacgga	780
nntcgnnnan	gggnnnnaanc	acnnncncaa	caagnanang	cgagagtcaa	nanncanann	840
nanancngaa	nannannnag	nngnaanana	nanacanacn	anaanangnn	nanagacaga	900
ngcanganann	ngcgcnanna	gnagnagagn	nnatnangnn	tananaagnc	ananacgaca	960
nnanaacgtn	acgccgnncn	ananangaga	nnnnganaaa	acgngagaga	gnagaanagn	1020
acanaganan	agcnacggnn	gacagcanaa	acganncnan	aagcggnaaa	tanngangcn	1080
agnngnnnga	cagcc					1095

<210> 4457

<211> 744

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (744)

<223> n = A,T,C or G

<400> 4457

tttnttcctt	cctctaatac	ttttancgcc	tttctgcagg	atcccatcga	ttcgaattcg	60
gcacgagggg	tcctccaaga	gtttggggcg	cggacnnnag	taccttgctg	gcagttatgt	120
cggcgntgtg	agtgtntgtc	atttcgcggt	tcttacaaca	gtacttgagc	tccactccgc	180
agcgtctgaa	gttgctggac	gcgtacctgc	tgtatatact	gctgaccggg	gcgctgcagc	240
acggttactg	tctcctcggt	gggaccttcc	ccttcaactn	ttttctctng	ggcttnatct	300
cttgtgtggn	tgagtttnat	cctagcgggt	tgccctgataa	tacngatcaa	cccacngaac	360
aaagcngatt	tccaaggcct	ctgccacagag	cnagcctttg	ntgannttct	ctttgccagc	420
accatcctgc	accttggtgt	natnancnta	ggtgnctgaa	tcattctcan	ttncntaatt	480
gangagtang	anactaaaag	aatgttgact	ctttgaatct	gctggataag	agactngaga	540
tggcagctta	ttggacacat	ggattttctt	cngatntgca	cttactgcta	gctntgctan	600
ctatgcagga	gaaaagccca	tagttactgc	gtgtnacaaac	aactntctaa	cnaacattca	660
ttaatccann	ngannccctt	caangaatgg	taancctatg	ccnttcaana	tactgaactt	720
nntgccactt	ntggcaaaaa	aat				744

<210> 4458

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (809)

<223> n = A,T,C or G

<400> 4458

tatcacatat	acacatatgt	gtcccatata	cacatatata	catatgtgta	cccatatata	60
catatacaca	tatgtgtacc	catatacaca	tatacacata	tgtgtaccca	tatacacata	120
tacacatgtg	tacccatata	cacatatata	catgtgtacc	catatacaca	tatacacatg	180
tgtacccata	tacacatata	cacatgtgta	cccatatata	catatacgca	tatgtgtacc	240
catatacgca	tatgtgtacc	catatacgca	tatgtgtacc	catatacgca	tatgtgtacc	300
catatacgca	tatgtgtacc	catatacaca	tatacgcata	tgtgtaccca	tatacacata	360
tacgcatatg	tgtacccata	acatatata	tacctgtgtc	ctatatatac	acacacacac	420
atatatatat	ctatatacct	acatatatat	acacacatat	atatataacct	ggatcatttt	480
ttaaaatgct	caacagtaca	cacatgtaac	agcatttcag	tcaatggntg	gactgcatat	540

ttgatggtgg	cccataatat	tataacggac	agaaaaattn	caatcaccta	gtgaagcata	600
gcacaatgca	ttaattactc	ttgggggttg	ggggcatggc	tggtgtaaac	aaacctacca	660
tgctgncagt	nccataaaca	tatagcatat	atagggata	tattatactt	naataataac	720
tatggtgntg	gggtaagnat	ttaatgnatt	taccatggnt	ttaaaganaa	ctcctcctac	780
ttttttccaa	aagtactnta	aaacanncn				809

<210> 4459

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (840)

<223> n = A,T,C or G

<400> 4459

agggccagtt	tgatcattcc	aaagatggtt	ggttaggccc	cggccctatg	ccagctgtca	60
caaagcggca	aatggacact	caagaaccaa	gatgatataca	acctccatca	agacagctcg	120
gaaaagtaaa	agggcacag	ggctgaggat	aaatgattat	gataaccagt	gtgatgttgt	180
ttatatcagt	caaccagtat	taaaggcctg	cctgatatac	aaccctcgaa	tgcaacacag	240
tgtccttctg	aggccactct	aaaggccagg	aaaggtttgc	taagaagtct	gtgctgttaa	300
aaacagaaga	aaaagaccct	tatcccattg	ctctgtgtct	ggtggctata	gggatagtat	360
ttcataaaaa	aagaaaggca	aaaataattt	tcaaaaatga	ttcaagaaat	gctgtcaaag	420
atagcaaaag	aacagagtcc	tcagagaaca	gtgcccagga	caggataagc	actcaataac	480
atataacact	gggtaatgct	tgttgagtgc	tggtctggtg	ttgagtgtta	nctattgggtg	540
gagtgtctgt	tgttgagtgc	taactgctta	ntgctanctg	gtgnttgagt	gcttggttgg	600
ttgaagtgcc	ttncttggtt	ggttgagtgc	ttggttggtg	aaatgcctac	ctggttggtt	660
ganntgattg	ttggttgant	ngctaaccnn	ttgttttnatg	cntnctngtt	gttgaatngc	720
tttgtngttt	aaagctaacn	tgtttnttgn	atgctttgtc	ctggcctggg	gcccttnttt	780
ttaccccttt	gatgtnccat	ttnttccatt	taactttccc	caattnccct	ntttgggnnc	840

<210> 4460

<211> 980

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (980)

<223> n = A,T,C or G

<400> 4460

ttcctaatac	tnggctctcg	ttcttttttg	aggatccctc	gattcgaatt	cggcacgagg	60
aagccnaatt	gaattgtggg	aacaggaaca	ttcaaaggca	tttatggtga	atgggcagaa	120
attcatggag	tatgtggcag	aacaatggga	gatgcacga	ttggagaaag	agagagccaa	180
gcaggaaaga	caactgaaga	acagccaggc	tggtcttgaa	ttcctgacct	caggtgatcc	240
acctgcttcg	gccttccaaa	gtgctangat	tacaggtgtg	agccaccacg	cctgggtaac	300
tttgnatttt	tagtntaaat	gggggttntt	ncaaagcttg	gnctttgaan	ttncccaanc	360
ttcangngg	aatnccncc	ncccttttgg	gcttcccccn	aaatggcttg	nggantttcc	420
annggccntt	taagcccaac	cnttngcccc	cnggnccctg	aatngntttt	ttttgaaatg	480
gaattttttt	taaaaaaatg	gggggttttt	cnaggccatt	tttaaaaaaa	ccnttttana	540
acttgatttt	ttttaaaatt	attattttta	aatttccttt	ttttaaaaaa	ctccaaattn	600
ttaaatgggt	taaaatattt	taccttggtt	anccaccttt	aacttaagcc	tttttontgg	660
aaanggtttg	gggtccnttt	gagaatnaag	aatttggaag	aaatggacca	ggtttngttt	720
ggattttttt	tgaagggtta	attttacccc	caaaatttta	aattattatg	gtattgtggt	780

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accnttttgaa aaaaaaaaca tntnttannn cttntntnct ctaannccn cttntnntat      840
aaaaaaacct ncnnggggcc cttttaaaaa ctttttttgn gggnggggcc ctttttttac      900
cngntanaat nccccnaacc ttngatttan ggnnanncc tttgnttgaa atttttgunc      960
aaaaccccc aatcttttgn                                     980

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<210> 4461
<211> 761
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

```

```

<400> 4461
tgggnnnnnn nagngtnggc ttttcttatt ntggctgtaa ccgntngnag cncgcacnca      60
aannggctgg gncgaattcg gcacgagggg tggacacagca gcactataca tgaaatataa     120
accaaanacc tttactgttt cttaaatttcc tagattgcta ttatttggtt gtaagttgag     180
tattccacag aaagtggtaa ttatctcttc tctcttcctc cattagaaaa ttaggtaaat     240
aatggattcc tataatggga gcatcaccac ttattaaaac acacatagaa tgatgaatta     300
aaaaagtttt cttaggttgt cttttattct gccacattta ttgataaaca gtgaagggaat     360
ttttaaaaaa tttttaagaa ttgtttgtca cgtcattttt agaaatgttc tacctgtata     420
tggtaatgtc cagttttaaa aatattggac atcttcaatc ttaaaccatt ctatttagct     480
gattggttct cacatatact tctaaaagaa acttttatgt tataagagtt actttttgga     540
taagatttat taatctcagt tacctactat tctgacattt taggaaggag gtaattgttt     600
ttaatgatgg ataaacttgt gctgggtgtt tggatcttta tgatgctgag ccatgttctg     660
cactgggtgt aatgtctaataa ataattntat atttacacac ataccgtgct acccagagat     720
taatttantic catangaacc attgacccat tgttcattga c                                     761

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```

<210> 4462
<211> 753
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

```

```

<400> 4462
gnnnnnnnnn nagngtttga antcctcctt ngaaatcctt tggcnactcg ctcttnttgc      60
aggatcccat cgattcgaat tcggcacgag gggcaatgca gttataatac tgtgttaatt     120
tcagacatct tctggtcctc cgagccttgt atttacatac tagctgaaac tgcaagtgga     180
aatgaatgga gctgatgata ttgaccttat cctaattttt ctgtgaggag gagaaaaaca     240
cttgtgcttc aaataagcag atgtgaaaac acttctcact aatcaaaatg ttaccacta     300
ggttatgaga gtctgcctct cataggcagt gaatctgata tgtatactta gtaatataag     360
tctatttagt ttgacaaaac cttagagcag aatttttgca gcttagttca ggatgatcac     420
tagcaatgcc aaacttcatt ttttattgaa cttggatcca agaaggcctg ctgtgtctat     480
ttcagtatag actctcatac caatatatatt atgctccaag tcactacacc cagaagtgat     540
gcagtggggg aaatgcaaa gacaacatcac tgtaagattc acagaatgga tcttttgtaa     600
aatattttat attgacttaa ggaaaacctt tcattgggaa ttaattaaat taagtctcta     660
atatcctgga agacagtaaa aantnaagcn ggtgntctca antttgaacc cggcnattng     720
naatttcatt ataggaattt ctgaaaataa tcc                                     753

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```

<210> 4463

```

<211> 913
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(913)
 <223> n = A,T,C or G

<400> 4463

gcgtcccntt tcaacnttgc taatcgctgg ctatcgttct ttctgcagga cccatcgatt	60
cgaattcggc acgaggccat gggccgccgc ccgcccgtt gttaccggtt ttgtaagaac	120
aagccgtacc caaagtctcg cttctgccga ggtgtccctg atgccaagat tcgcattttt	180
gacctggggc ggaaaaaggc aaaagtggat gagtttccgc tttgtggcca catggtgtca	240
gatgaatatg agcagctgtc ctctgaagcc ctggaggctg cccgaatttg tgccaataag	300
tacatggtaa aaagtgtgtg caaagatggc ttccatatcc ggggtcgggt ccaccccttc	360
cacgtcatcc gcatcaacaa gatgttgctc tgtgctgggg ctgacaggct ccaaacaggc	420
atgcgaggtg cctttggaaa gccccagggc actgtggcca gggttcacat tggccaagtt	480
atcatgtcca tccgcaccaa gctgnataac aaggancatg ttattgatgc cctgnnncag	540
ggccnanacc nagtttntctg gccttnntan cntanngatn ttngaganaa gtntcatttt	600
aactttntctn tgnctatatn ncaanggttt tannttngt ngantgaaaa agcgggcttc	660
atcccaagat ggnctgtggg ggtcanagtt ncattccna gtngtnnncc ctnttgana	720
anttggttgg ccccttgacac tcattgacgg ccttcncaat tgggtgctnna ncccccttt	780
taatttcttt aatcnaatnn actttattac ctttncctgg ctctaancctt aatnntctca	840
tctncatctn taatntctna cactaccnan ntttntntca ntattcccnt cnaacctnat	900
caaacctttt ncy	913

<210> 4464
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1274)
 <223> n = A,T,C or G

<400> 4464

tttttngggg gggttttttt nnnnnnnnnn gggggnnntt nnggggggcn gnttttttnc	60
ttaaaanagn ngactggnnn ngctgaaaaa ctcgggcctt gggggannnn gnccccccnc	120
gaaaaacanc agggaaaaaa angggggggg ctgggggggg gggnnnnnan nnnnnnnnnn	180
nnnnnnnnnn nnnnnnnnnn nnggnnnnnn nnggnnnggn nnannggann nnnnnnnnnn	240
nnnnnnnnnn nnnnnnnngg nnnnnnnnnn nnnnnnnnnn nnnnnnangn ggnnnnnnng	300
nnnnnnngnn nnnnnnnnnn gnnnnnnngg nnnnnnnnnn nnnnnnnnan cnnnnnnnnn	360
gnggnnnnnn nnnnnnnnnn nnnnnnnnnn nngnnnnnnn nnnnannnnn cnnnnnnnnn	420
nnnnnnnnnn canaagggnn nnnanncnnn nnnnnngnnn nnnnnnngnc nnnnnnannn	480
ngnnnnnann nnnngnaaga angnnncnna cgagnnnnnn gannnacgan nnnngnnaan	540
cnnnnncnag ngccgnatna gancacgaat ngnggagagg ancngannan gnnngnnnnn	600
ggnaangnn ncnnaaanga annngnacca gnnnggannn cnnnannnga ngncnnnagn	660
nnnngnnggg nnncnnaaac ncnnggggnn nannannnga nannnggnnc tnnnggnnnn	720
nnnnnnannn nnnnnnaann nnnnnnnnnn nnnnnnnnnn cnnnggnnnn gggnnanann	780
nnnnnnnnnn nnnnnnnann nnnnnnnnnn nnnannang nncannnnnn gnnnnnnn	840
nnnnnnnnag gnnnnnnnnn nannnnnann ngnnnnnnna nnnnnnnnnn nnannnggnn	900
gnnananann nnnnnnnnnn nnnnnnnana nggggggann nnnnnnnnnn nnnnnnnnnn	960
nnnnnnnann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	1020
ngnnacaann ncnctngnn ggcnngna ngnnncncaa nannntnnn gnnnnnnnnn	1080

tnngnngncaa	ananggggnan	annnantnnn	nnatggngng	gggacnnaan	tnnccnccct	1140
nattcaanna	ntggnggaaa	aaactggngg	nnnaanantn	aaaccccaga	nnggcnaaaa	1200
ntcattcctt	accaaaagg	ttangacctg	gnaancctng	tgggcnanaa	aggtnctnaa	1260
acattcnttt	nanc					1274

<210> 4465
 <211> 1039
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1039)
 <223> n = A,T,C or G

<400> 4465						
atggnnnnnn	nnnnnnnttt	ttttggaaaa	aaannncccc	cccttttttt	ncctnaaaaa	60
attgggccnt	tttggggcaa	aaantttngg	ccctncttcn	tnctttgggn	tnntgnnnat	120
nccccnatt	egggnathtt	nccggaaaat	ttccggggcc	naccgggagg	gggnattagg	180
cccttttna	nagncccaaa	nggtntntta	cccaaagggn	tataattttt	aaagnnatgg	240
gggnaccagg	gtgtntngcc	ccaatttagg	aaagggaat	ttntctnaa	atnaagttgg	300
gggtntannt	ggccangtgg	ttacctnggg	gcattnggna	aatatnttct	tggaacttg	360
aggntntaac	tggaanggga	gnagccctna	aacctatagt	aacttcannt	ccccacaagt	420
atactagaat	tngtgcatcc	tcgatttata	ttgcaagngt	ntcaaangtg	tcactgnnac	480
acaaatagaa	acactgccaa	cttggtgtaa	cttaagctnn	catttaacta	aaacattntt	540
ttcttgcaaa	acttatttat	tcatgatcaa	ttttntgggt	atntattata	ctttgattcc	600
taaattagtn	catccttgaa	tctatgaaac	tggtgcagtc	attatgcccn	naaatnntct	660
naaaatatat	taatgggtca	ccttnctgnt	caaaggggtg	gtgcaanggn	cttgagcat	720
tnttacatnt	tgtgctttgn	tangaaaatg	taaactctna	ggctccacaa	nttnactttg	780
ctgcattttt	taacaaanaa	tccccangg	gatatgtaat	gctcataana	aatttgggac	840
anctgggttc	nantggaaaa	angggntctn	aagggnatgg	cataaacttg	gtggtnccgg	900
tnanggnntt	naaggccttt	tccaacttta	nannttttc	tgattttgga	antnttccan	960
tnggntntaa	naacctnnnt	tatatatcna	anattagggg	cctttnaaaa	aaanncttat	1020
ttnnngctagn	aaacctntnc					1039

<210> 4466
 <211> 931
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(931)
 <223> n = A,T,C or G

<400> 4466						
ggaagcgggg	gggtacgttt	tncaaaaagg	ntttcaatng	cnggtgaacg	cccctaaana	60
nnnanccatc	ganacnaatt	cggcacnaag	ggcttccggn	taaaccantc	angggatatnc	120
cnatgnntaa	gncatcctng	gncngnntat	aacnggnccc	attcanctgt	nanatananc	180
ttcnanantt	ntcnacanng	gnnnanattt	tnntctgca	atnnnanagn	naacctnttt	240
nnnncnnntt	aangaggcag	nnagctacct	ttgaangaac	tacttgnaaa	cntnntnttg	300
naattcaang	nnaancntc	ttntntcna	ntnnttant	gttgcnnnnn	nctcaantcg	360
tatnnncatg	ngggctccca	tcacntnntt	acttataant	antngnttan	aaannntngn	420
cctantatag	ggnnatnct	ntnnnnnann	nnntecntn	caaateccaa	tctngnaang	480
aattnnccnt	ttctgnaatn	caattattna	angannaatn	gntnnnctan	tncattnnann	540
nnctantant	ttcncnnn	nnctttgnaa	ttcncnttat	accantaata	tnngctactnt	600

taatnaggat	tnanagtacc	cannttgcnt	ttnttncaca	antntaancn	ntgcattatn	660
taaaatcann	naagncgana	aattntnttc	naaccccnng	cnncaaaanta	ccnattttcta	720
atanngacnt	annngnnnnn	annnccctaa	nannatatac	nanatntntt	nccnnacant	780
ccnagagtag	aantcccctt	nttcacacnn	ntctctanta	cncntnaatt	ttcnntacan	840
atataaanta	ntttntctna	ttaangnnnn	ntnnaaantt	ctancnaann	tanattancn	900
ancctctnan	ataatcnttt	ttnnngnatn	c			931

<210> 4467

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (804)

<223> n = A,T,C or G

<400> 4467

cnaatncttg	gctactcgct	ctnttgccagg	atccnttttg	acgcntttgn	acgnccgtat	60
ncttcaacca	atgtctagtg	cacntatcct	ntntaacnca	naattctcaa	accagnttt	120
acaacattgg	gtaggatnct	ataaagngct	aatcntattc	tggatnatga	cgaattttgc	180
atgctaantc	tttgnancnn	gtcnccccc	aagntgcntt	acatgtacag	attcgtgtaa	240
ccacgtgtaa	ccacataaaa	ctnatgaaca	caaagtcctt	catgctacct	tctatgctta	300
cactcnancc	aaacctaacn	ctgccaacnn	ctnntctecn	atcaggatca	ttncntcann	360
tcatgaatnn	ganagaantn	aaattgtntt	tgccatgggt	atntataaat	tttatatnga	420
taagccatnt	gaatgcttat	ngatagagag	tctgtgagct	cntggcattt	ctggcactna	480
gcanattacn	cctaaggntt	atatgagtag	annaanagnt	gtattancat	nanntntnac	540
caccatgnat	cngacccgat	gaaannnggt	nataatntgag	agtngtgtac	aggatttnat	600
gtgnaaatc	gnatnnattc	anecatgaga	natattgcac	tgtnttcccn	ggtcntaacn	660
gccctgggat	naaanatgcc	ttgggaaaaa	tggtatcaaa	nnaacntnna	ncagcccnan	720
gggnaaaaac	cnnangaant	tcagaggcct	cntngnacca	antntggagg	nnnaaaanac	780
cngggncncc	tggnanantaa	ttcc				804

<210> 4468

<211> 1116

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1116)

<223> n = A,T,C or G

<400> 4468

tantacntan	ctnancntn	tggcntnagt	ccgtccncta	tcgcntgtng	cttaaattac	60
tgncgcgtta	aacgtcggac	tggaaacctg	cgtaccaact	aatcgccctn	agcaaaatcc	120
ccttttggca	gctggcggta	aaancaaaaa	ggccccgaacc	gatcggcctt	tccaaacagt	180
tggcgcaacc	ctgaatgggc	gnaatnggaa	ccccccctgg	taagcngggc	ccaattaaac	240
cccggccggg	gtggtgggtg	ggttaacccc	gccaacgggt	ggaanccggg	ttacaacntt	300
gggccaagcg	gcccccttaa	accggcccc	ggctttccct	tttccggcct	ttttcntttt	360
cccccttttc	cmntttttct	ttcggcccca	accgggtttc	ggcccccggg	gcnttttttt	420
cccccccggg	tcnnaaaggc	ccttcnttna	aaaaattccg	gggggggggg	cctttccccc	480
nttttttaaa	gggggggttt	nccccgaaa	tttttnaaaa	ttgggccttt	ttttnaaccg	540
gggggnaanc	cccttttggg	aaanccccc	caaaaaaaa	aaaaaacttt	ttgggaaatt	600
taaaaggggg	gtnggaaatn	gggggttttc	caaacgggtt	naaantnggg	ggggncccca	660
atctcggggc	cccccttggg	aataaagnaa	accgggggtt	tttttttttc	ggcccccccn	720

tttttgggaa	ccggttttng	gggaagggttc	cccaaccggg	ttttcctttt	ttaaaaataa	780
aggnggggga	acttcctttt	gggttttnc	naaaaacctn	ggggaaaacn	aaaacaacct	840
tttaaaaacc	cccttaattn	tttcnggggn	cctnaatttn	cnttttttgg	gaattttnaa	900
tnaaangggg	gaattttttt	ggccccgaan	ttttccgggn	cccttaattn	ggggnttaaa	960
aaaaaaaaatg	gaaagcctgg	aantttttna	accaaaaaaa	aattttttaa	ccgccgnaaa	1020
nttttttnac	cnaaaaaata	nttttaaacy	gccttttnac	naaaattttt	cccttggaag	1080
ggccnggggg	gnaaaaaaa	aatttttttt	tttttt			1116

<210> 4469

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (766)

<223> n = A,T,C or G

<400> 4469

aatncnagct	ctcgnctctt	ttgcggtacc	catcgattcg	ctagtctcgag	tttttttttt	60
tttttttttt	catgaaaata	tagtcatcaa	atttattttt	attgggatgc	cattttttga	120
agaatttccta	agactaatgt	ttcttgacat	gcaagagtta	gcattaatag	cttacggtac	180
tataaatact	gctgcttgga	agcagtacaa	ctgttttaga	gttttaagac	tacagacttt	240
cattactcaa	atcttattca	gtaaatgtaa	aaatcagaag	gttctgaaca	gctgggttagg	300
aaggtagcca	agatgcagga	aagatgtctg	cgctctcttt	tcaagggcag	ccaactnttg	360
aacagtaggt	gcccaaaaata	tccacatggc	ctttatagct	ttcaccacca	gcagcccttt	420
tntgaccgta	ggtaactttt	ccatcaaatt	catccactgg	tacctttata	tccggntnaa	480
cctgagaaat	ggtnacgttc	aggngttctt	ctatctcaga	tagtaactgc	atctcgttgt	540
accatatggt	caagcctcat	cttccttgag	tcttggggta	taacaccctt	ttccacggnt	600
gctacataca	tggnacnnaa	ccataaggaa	caccnggat	atcaattcct	ntagcagntc	660
atctgngcaa	atcaagaatc	tttacatctc	cttcttaaan	cttttccaag	tttgcccttc	720
tctcatgggc	cattggaaat	ttctcaaaat	aatgaccagg	ttttct		766

<210> 4470

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (926)

<223> n = A,T,C or G

<400> 4470

annnnnnnnn	annnnnngnn	ggngnnnnna	nnnnnnnnng	aannnnnnnn	nnnnnnnnnn	60
annnangggg	gnnaaacnnn	nnnnnnnnnn	nnnnagnttg	aattcctaaa	gccaaaccnc	120
nnntttggca	ggaagcannc	agncnngggg	tccgcaacgc	nggnaagnng	acagnnnnga	180
aaanaaatnt	ttngcagaca	aggatgtcaa	ggngngnggc	ggnggnataa	cacncggcaa	240
gtgggacagc	nttgaacaan	aacnagnagn	cgncnggaac	ngcctaaccg	gagccnanng	300
ctcgaanaag	gaaataagga	agccacangg	nangcagacc	tactganac	atgaaccag	360
cgcanagggt	gcggancngc	ncnaaangac	nagagaggca	nagngaaaaa	anncatnaat	420
gccngncnng	agaatgaana	acagcgctac	aacaggcatg	nggatatggg	aaacaacnan	480
tggggacnag	anacnnaggg	aangnacggg	annaaaaaag	ggggggantt	naanncnccg	540
anggagggng	cgagnacnca	ntggaaagaa	aggggaagca	ntncacggaa	ancnganctg	600
acaaangatg	aatangnggc	cacagggagg	aagggaactg	gcctgagagg	gaanaaancg	660
gnacnnaang	aanggaaccc	agggccaaag	gcaccaanaa	gaaaaaancc	ccngaaaaaa	720

aganggggna ntatngcct	gggggggna	aaagcccacc	aanttaaagg	canaaaagg	780
gggggnaaaa acnctggnt	nncaancaan	aaggggggc	ccnccgggg	gggggnccc	840
ncgaaaaanaa aaacngggg	ggggnntnan	gngggnggga	nncncaccn	ncccnngaaa	900
aaggggggca aaaaaaaac	ccccn				926

<210> 4471
 <211> 924
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(924)
 <223> n = A,T,C or G

<400> 4471						
acaccttggg	tgcnngcacc	gcatnanaac	ccantcccac	cacannncan	gagcnngtng	60
nncnctnttg	gagngggcnn	agngatgncc	cgaatccgtg	ggctactagg	gagccctcac	120
ttgggctacn	gggtggaggc	ccatgatatt	gnggcctcaa	agatgttatg	attcacctcc	180
atcaannccc	ngaantgaat	aattcttcc	atcanttaat	nanggtgatt	acccagnaga	240
atgccattnc	ggtntgcntt	ggtatttnac	aaaaagaanc	tgggggaacc	acttgggtgt	300
gacattttat	gggttnaaaa	taatgatctg	gnaaattgcc	ccggatccnc	catgggggaa	360
tgatagatcg	acaaggtcta	cttcattggtg	ggagatatga	ttaaangaag	ncnatggcca	420
ttgnggttng	gaaataatcc	ananggantt	ncanccaatt	actgnaaaaa	aanttnnttg	480
gaagnggnca	cccctaaaaa	tctntcccag	ttnttagagn	ataccntta	cttccttaaa	540
naagggattt	gttgaaanng	ncanttttnc	aaatntaatn	ccaaacanag	gncnaccctt	600
aatnaccntn	gccaaagnag	cnngttttgn	ngatttttcc	caaagggag	naanattcct	660
ttccngnntt	tggcgaaact	gtagnanaat	tcccnntttt	gnggtgggag	gnnttagcc	720
cnntttctaa	aaaanggang	ngaacccctt	tgtntttcn	tattccagag	cccgtnttc	780
ctcngtaaan	aananaaata	aangnccant	tnntttatnn	anagaaattg	ggncccaatc	840
ttanggacnc	tttttgtggg	aancttatna	ttcccnaca	tacacaaaaa	aaacancctc	900
nccgnccctt	ttnnnaactt	tncg				924

<210> 4472
 <211> 902
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(902)
 <223> n = A,T,C or G

<400> 4472						
ttcagaagaa	cgcacagatg	aatgacaca	taaagaaaca	aatgagcang	aagaaagatt	60
gctcgcccag	cttcttctact	aatcatccc	gcagcagcag	ggactcggtc	tagcaaggcc	120
atcttggtgc	cggaccttcc	tgaaccaaac	aatgagcctt	tattttctcc	agcgtcagaa	180
gttccaagga	aagcaaaagc	ttaaaaaata	gaggttcctg	cncagctgaa	agaattagtt	240
tcggatttat	cttctcagtt	tgtcatctca	cctcctgctt	taaggagcag	acaaaaaac	300
acatncaata	agaacaagct	tgaagatgaa	ctgaaagatg	atgcacaatc	agtagaaact	360
ctgggaaagc	caaaagcgaa	acgaatcagg	acgtcaaaaa	caaaacaagc	aagcnaaaac	420
acagaaaaag	aaagtgcctg	gtcacctnct	cccatagaaa	ttcggctgat	ttcccccttg	480
gtagcccag	cttgacggag	tcaaagagca	aaccagaaa	aactacngaa	gtgacaggga	540
acaggtcttt	ggganggacc	agaaagaaac	tgtntttctt	tnccaaagc	anaattttac	600
gccaaaaaaa	aatgcttggt	anttttttgg	gggaagattt	ttaatgtacc	cccttntttg	660
gtaaagggtca	ntcaaaaaat	aggtggnggg	gattanttna	aaataatntt	aanttttggg	720

naagnaaaaa	ataanttttn	tttttnaaan	ttntttgggt	aaaaattttt	ttntgggttaa	780
aacaagaaag	gggcttttca	anttaagggt	aaaggtnaac	cttcccctnt	tggngngngg	840
aattgggttt	caaattcccn	cgggccaaaa	nmnttccta	ntttttaata	ttttaaanac	900
tt						902

<210> 4473
 <211> 816
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (816)
 <223> n = A,T,C or G

<400> 4473						
gnnnnntttc	naatnccttt	cctaatacna	gctctcggtc	tttttgcagg	atcccatcga	60
ttcgaattcg	gcacgaggac	ttctgaagaa	catgaagcaa	gcagaagggg	gaaagcggag	120
ctgctgggtc	agatggatgg	tggtggaggt	acttctgaaa	atgatgaccc	ttccaaaatg	180
ggtatgggtc	tggcagctct	aattttccct	gggatataga	tgaggcttta	agacgacgcc	240
ttgagaaacg	aatctatat	cctttgccgt	cagcaaaagg	cagggaggag	ctattaccaa	300
taagtctacg	tgagttggaa	ttggctgatg	atgttgacct	tgcaagtttn	tcagaaaaca	360
tggaagggta	ttcaaggnc	ggcatttcca	acgtgtgcag	ggatgccttc	cttgatggca	420
atganaaagc	ncnttgaang	ttttgactnc	caggaaatcc	naaatctttt	cnaagaagaa	480
atgcncatgc	ctacaactat	ggaggatttc	nagatggctt	tnaaaaaggg	ttctaagtca	540
gtgtctgctt	gcagacattt	gaaaagatnc	cagaaatgga	tatttgagtt	tggatcatgc	600
taaattctcc	atgtnaactg	tgagaaatgt	gcccttaagt	ggtttgaata	ttaatgccc	660
gtaattcatt	ggactggagt	gcttatattt	ttttttaact	ttcattaatg	gtaagaattt	720
tttttaaaaa	aaanccctta	tgaattcttg	naataaaagg	ccaatatttt	ttnaagcctg	780
gaaaaaaaaa	aagccctntt	agaaactntt	tgtgga			816

<210> 4474
 <211> 878
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (878)
 <223> n = A,T,C or G

<400> 4474						
ttcctaattc	ttggttctcg	natctctgca	ggatcccttc	gattcgaatt	cggcacgagg	60
ggggaaaatg	acagaggaaa	aagagaaant	ggancagana	aaaatagtgg	aagaaatnat	120
agctaaaaaa	ttcagaattc	agtgcangt	agaaatttac	agatatcnga	tcatatgctc	180
aagaaacacc	aatgngaata	aatatttann	antcccacgc	tggttcttgc	aaactttttg	240
aaaaccaann	ttgaanagca	aatnttgnaa	gcacatgata	aaagccatnc	cnnnaatnat	300
ccagttaatt	ggcttgactt	cttactggaa	accctttnnn	accanaaaacg	gncttggaat	360
aaacnttttc	aagggttctt	ntaaagaana	attcgnaaaa	ntnttaaccc	ccaatttttt	420
ttttttttaa	nntgaaagac	nccnctntng	ttncacaggt	tggnagtctc	ccnttccgnt	480
gcccnngcct	tangnaaact	tttttggagg	ggganactcn	tntgactttt	nnnccnnggg	540
ntnnnccttt	nntnncctng	cccnntttcn	tnnttttgac	nttttntngn	gcnntncang	600
gcnttnaann	ccnntgaccc	cctttnaant	ncatngngng	gaaacngggg	ntaannggca	660
tangctcttt	tatttaagaa	agcaccctnn	naatccccct	aaactttttc	tnaattnacc	720
cttttnggga	cccctctagg	ncngcttnnn	tgntttaccn	ngntccncca	aanttncnaa	780
cttggnaaac	nntnttgnaa	ntccnggggg	aatataggna	cctttggaat	ttttaaannc	840

ancetnantt ggcnngccct ttgggccttt anaaanct

878

<210> 4475
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(714)
 <223> n = A,T,C or G

<400> 4475
 gngmntntat agcangctct tgttcttttt gcaggatccc tcgattcgaa ttcggcacga 60
 ggtcaaggct cagtcgccag catttcccaa cacaaagatt ctgaccttaa atgcaaccat 120
 ttgaaacccc tgtaggcctc aggtgaaact ccagatgcca caatggagct ctgctcccct 180
 aaagcctcaa aacaaaggcc taattctatg cctgtcttaa ttttctttca cttaagttag 240
 ttccactgag accccaggct gttaggggtt attggtgtaa ggtctttcat attttaacaa 300
 gaggatatcg gcatthgttt ctttctctga ggacaagaga aaaaagccag gttccacaga 360
 ggacacagag aaggtttggg tgcctcctg gggttctttt tgccaacttt cccacagtta 420
 aaggtgaaca ttggttcttt catttgcttt ggaagtthta atctctaaca gtggacaaag 480
 ttaccagtgc cttaaactct gttacacttt ttggaagtga aaactttgta gtatgatagg 540
 ttattttgat gtaaagatgt tctggatacc attatatgtt cccctgttt caaangctca 600
 gattgtaata tgtaaaggt atgtcattcg ctactatgat ttaatttgaa atatggnctt 660
 ttggttatga aaacttttgc agcacacttg aaaagctgnc tgtggatcat tgng 714

<210> 4476
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(786)
 <223> n = A,T,C or G

<400> 4476
 gggtcancga atgcctgtgg aancgcacct tctctncagn agcccntcga tncgtnttga 60
 actatcaact agatcnggga agatagaaca ggcntttttt ncatngcctc gttnacaaag 120
 ngtcatacag aaaagtgttc ctctaggaag gcataatatg tggccngatg gatgtgatga 180
 gtagattgta aaaggggttg gattctggca gaacangaan agatnactna attattggaa 240
 tcaactgaga aaagagnnca ttagcatgcn ggctaataga ccctaataana acnggggtgtg 300
 aaaagatggg atctggacct agaggcagtc ttagagccat aatnctngat ttctnctttn 360
 ngngaaagcg acaggtaact ntggngctgag gccataaatc agntntatcc taaatggaaa 420
 actatatncc actggggatg gtaatcacc tttngataag aaagggtaga anccacaatc 480
 ttcaacagaa atggaactta tcaatntaat tnaagaatcc tcaacagtac anttttaagg 540
 nnatggaacc cctgtgnna ancccangtt ccnactgcca nngcctnanc aatcctatta 600
 tnactgatta gcnnnganaaa agaangcngc ancccnttnc naattttttn ttanncnncn 660
 ggnantnccc ntgaaaggta ancccttnt naaaggggga aattcnaccn nanggaggen 720
 nnnnggcnnng gngaaattnn ccttgaaccc ccnaggcan aaangttgct tnttancccc 780
 agance 866

<210> 4477
 <211> 723
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(723)
 <223> n = A,T,C or G

<400> 4477
 gcgntccta gnnngctctt gttctttttg caggatccca tcgattcgaa ttcggcacga 60
 ggaagctccg agtacctgcg tgccctcttt gtctacgaga agggggctcg ggtgcttctg 120
 gttccagaca ataccttccc cttgggctat tacctcatcc ctttcacagg gattgtggga 180
 ctgctgggtt tggccatggg agcagtaatg atagctcggt gtatccagca ccggaaacgg 240
 ctccagcgga atcgacttac caaagagcaa ctgaaacaga ttcctacaca tgactatcag 300
 aaggagagacc agtatgatgt ctgtgccatt tgcctggatg aatatgagga tggggacaag 360
 ctgcggttac tccctgtgc tcatgcctac cacagccgct gcgtggacc ctgctcactc 420
 agacccgaa gacctgcccc atttgcaagc agcctgttca tgggggtcct ggggacgaag 480
 accaagagga agaaactcaa gggcaagagg aggggtgatga aggggagcca agggaccacc 540
 cttgctcaaa aaggacccca cttttgggtt ctgccccac tctttccacc ttctttgggt 600
 cctttagccc cagctnccct ttgggttttc ctggggcctt tnaacagatc cccactgtc 660
 cccttccttt tncctgtaa tcttgggcta ataaccccc acaacttaca cctttggggg 720
 acc 723

<210> 4478
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(764)
 <223> n = A,T,C or G

<400> 4478
 naatagcagc tcttgttctt tttgcggtc cctcgattcg aattcggcac gaggtgtcc 60
 actccagtgt cccttggtta agtttagcct aacacacagg gttttgacct atagttctaa 120
 aatacacaaa ttttgagact acagcacttc tttggaaaga ggaagaatgc aaagttcagt 180
 atttcaatac tttgtatttt acttgaaatt acccttagta gcatcttttt tttcctgtct 240
 gaaagctttt gtgtggatga gaaggacat ttcatttcct cccttaacaa agtgtcattc 300
 tgaggttctc atgtgtgttt ttggaaatag agatactggt tttgtagagt ttgcctttgg 360
 gtatgtnttc tttttttctt aaatctccaa ggaagagaac tgactaaaat agtaggaaca 420
 tgaaagtatt aaatgccaat taatttgttg tagtaaagta tcttcattag cgttatactc 480
 catcatactt ggtgtaaact gctcacagaa aaccctatga aaccaaaggg ggaccattca 540
 ggtctaaaaa gcgacaggtc ccgagactgg gtctgtcacc tgggcatttt caaagaggac 600
 attttggaag aatttgcata ttcagatttt taaaatgcac ttaacatact tcattacaga 660
 attcttgggt agggangatg ggataggcca nggatgggat ggaatcagtc tgcctgggaa 720
 cttaatnccg aatcatttan ccttctggat taacccttgg ncng 764

<210> 4479
 <211> 836
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(836)
 <223> n = A,T,C or G

<400> 4479

gaggaaatca	gtacgctgag	gggccaaagt	ggaggccagg	tcaagtgtgg	aggtggattc	60
cgctccgggc	accgatctcg	ccaagatcct	gagtgacatg	cgaagccaat	atgagggtcat	120
ggccgagcag	aaccggaagg	atgctgaagc	ctggttcacc	agccggactg	aagaattgaa	180
ccgggagggtc	gctggccaca	cggagcagct	ccagatgagc	aggtccgagg	ttactgacct	240
gcggcgccacc	cttcagggtc	ttgagattga	gctgcagtca	cagctgagca	tgaaagctgc	300
cttggaagac	acactggcag	aaacggaggc	gcgctttgga	gcccagctgg	cgcatatcca	360
ggcgctgac	agcggattg	aagcccaactg	ggcgatgtgc	gagctgatag	tgagcggcag	420
aatcaggagt	accagcggct	catggacatc	aagtcgcggc	tggagcagga	gattgccacc	480
taccgcacct	gctcgaggga	caggaagatc	actacaacaa	tttgtctgcc	tncaagggtcc	540
tcttgaggca	gcangctctg	gggcttnttg	ctgtcctttt	ggagggtgtc	ttcttgggta	600
naagggatgg	ggaaaggaaa	gggaccctta	ccccccggnt	ntttttcttg	accttgccaa	660
ttaaaaaatt	tttggtncca	agggaaaaaa	aaaaaaaaaa	aaaactccan	ncctnttaaa	720
actattagt	aggtcgtatt	accttgggaat	ccnganattg	ataagaatcn	nttgatgant	780
tttgggncaa	accnccactt	tnaatgccc	ggaaaaaaa	tgctttnttt	gggnaa	836

<210> 4480

<211> 1174

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1174)

<223> n = A,T,C or G

<400> 4480

tttttttcccc	tttnaaaaaa	antttggggc	cccntttttt	ntttttcctt	naaaaanttt	60
nggggncccc	tttttttttt	ntttnnntg	ggncntatng	ggnaaattcc	ccccccnaat	120
tcctgttaat	tttttcgggg	ccggggaaaa	aaggtttccn	ttttcngggg	gtttcccccc	180
ncgggcncaa	cntttccggg	tttttccttt	tcgggaaatt	tcctttccgg	ggggttnccg	240
ggaaaccccn	tttttcccaa	aaaggttttc	ccccaaagnaa	attccccggg	caaaccggna	300
aaaanggggt	tccccnaaaa	ggntttcccc	aaaagggttc	cccccttnng	gnttncgggg	360
ggttcctttt	nccaaagaaa	tcctttcngg	tttttcgggn	cnnggggttc	ccaaaggggt	420
tcncccnngg	gttcttttgg	ggtnccaaag	ggnaagttcc	cttttcccc	aaagtgggtc	480
ccaaaaagaa	aggggggaaat	cncnaantcc	aaagnngtcg	ccgatcgaag	agtnccccca	540
agtctcctga	agaggaagga	gcggtgtcct	cttaagaaaa	tgatgtatcg	gcaagcagtg	600
taaacggagg	acttggggaa	aaaggaccac	atagtccatc	gaagaagagt	ncttgggaaca	660
agcaactggc	tattgaaaag	gttattttgt	aacatttgtc	taacttttta	cttggttaag	720
cttttgccn	agttggcaaa	cttcatttta	tgtgccattt	tggtgctggg	attcaaattt	780
cttgtaattt	agtgggggtg	aacgactttt	agatttcatt	attggatttg	gatatttgag	840
ggtaaaaatt	tcatttttgg	atatagtgct	gacttttttt	gtttgaaatt	naaacangaa	900
ttgggtaacc	taaattttgt	ngggnccttc	tggacttttt	naagggaaaa	acgttggttg	960
ccaggncnt	ttctacaacn	aggccntaaa	angcttggtc	aaagaagatt	ttggacntcn	1020
ggggantttg	gnccntttta	ntttcctttt	aaaaatttaa	aaaaaccctt	tccaaaaaag	1080
tttnggtggg	taaaaatttg	gngatattgg	ggttantttt	tacccttttc	nnnaatcttt	1140
taaaatnngg	ggtaattttt	gggaaccccc	aacn			1174

<210> 4481

<211> 860

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (860)

<223> n = A,T,C or G

<400> 4481

nctnacacng	nncagatngc	accaccttat	ggnactncac	acatntngng	nntaattgcc	60
tnnaatttgn	nnaangggat	ngcctagtgn	tnctngnctn	cagaagggaa	agtggnttan	120
atagaaaang	acancnngg	ctatatacac	ttaannngt	natagaannn	ggctactgaa	180
gtcnngact	tntannattn	aaancctaaa	tcacttnttg	tnggacggtt	ttcatntacc	240
tgccanatat	acagcccann	accnatngnt	ggngtgaggn	atnnntgtgc	cgggnttctn	300
tnntanttct	aacacccnna	ggtgccataa	anntactccg	gnntattttg	nntgctcnca	360
aacttgattt	tttttttctt	aaccaccgct	tganttagtg	gtcctcnatt	nnggntnnag	420
aaggatnccc	acntgaaagg	ngatnaactg	gtcgnnccan	aacanttggt	tggntctctg	480
tcacttttca	agnccatnta	gtttntctaa	anccgcgggg	tattccnctt	tccnngccta	540
ttttttttnc	cntganaaca	ttcngtnant	ttanaatcng	ggggaangac	cccctttnaa	600
naaactgnge	ccctaantgt	tggtttncac	ttcncgggac	gnnttntttt	ccaaaaaagn	660
ttgctttccc	cncnttccan	aaaggaacna	attnttctta	aanaancctc	tnntcncctc	720
ggggaagaag	gcccaagngc	ctttgggaaa	ccncaagggg	gacccccnnc	cntggacaac	780
tnannaacnn	nttcnngng	cccaaaccctc	ttnanttggc	ntnccccngg	tccttanaac	840
ananaaangg	gcgganntnt					860

<210> 4482

<211> 1407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1407)

<223> n = A,T,C or G

<400> 4482

ntttccaaaa	tagcttgggg	aaactccnag	agcnatttag	nganactttg	aaancctttg	60
gaaannccna	annatttnaa	aanaanacng	nnannntttn	nncaganaan	nnancanaaa	120
nnnnacnngg	ggttttttct	aaanaacnctn	cnangataca	aatgagaaga	naatnnaaaa	180
aaaaagannn	nnntnanna	tttnatnaaa	nacngagtgn	aanngaaacg	cnnnaaaaaa	240
aaaacanata	ttaaanaaan	tttanntaaa	naagngnaaa	annacacatn	ntcnaaaanc	300
nananantnn	aancnanana	nntntatctc	anctanntna	ntannnaaac	ntatnatnaa	360
ntntanata	ncnanatgna	nnaaacagna	acnnatannn	nnaanaatgn	atatgtntta	420
acnatataan	tntnttagan	aganatgata	nntntaaatn	nnnnactata	tanataagaa	480
tatatnacag	agcncctnca	canatgatac	actgancnna	tnntanantc	aanngtggac	540
tntnnganta	taananggan	nacanactag	acnatnnntn	gaaaaganaa	atngnggana	600
canannagnt	tacganatna	nanacagnctn	natanncnan	ntntgtcana	natanatagt	660
ancnancaaa	gaanatggan	nnnacgacan	ntnccgtaca	tcnagacgnt	cttactatac	720
atacnagagn	gagancacnn	ncnacactnt	gcntnnnaac	atntgtanna	nntanatan	780
tanaatacac	acnagccnnc	atatattaca	cgnagantga	gnncnctacg	tanantatat	840
atanncatcn	ngaananatn	tnacangtat	acncgtanac	ntacagagtc	atnacacgta	900
antctagtna	tctnttnang	aacantntta	anangatatn	attnnaaang	atatnagant	960
ctacgtangc	gcgnaantna	atntacacat	cnanatatag	acnanacgtg	atntnanana	1020
tganaatacta	tganaacnnn	tcnnaacact	nacatatnta	tanaaaataca	taagagtana	1080
catncacaan	cacatacaga	gananaanna	cacanaanan	atacataatn	aananantca	1140
tgantanact	taatcacgna	aaanttanna	agcnattnaa	cganngaaca	ngntacntat	1200
acggntanaa	tacncataaa	ntancancta	nanaannaaa	gnnnnnmtnn	cacanannac	1260
tnaancatga	cgatanataa	cangnatctc	aatantnaga	cntatgaaca	aaantagacg	1320
aanagtaata	tatatcnnta	gatnantana	nnaacgagac	cactgaacnt	ntnnanatat	1380
ntaanacatn	aactacaata	ncacacc				1407

<210> 4483

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (755)

<223> n = A,T,C or G

<400> 4483

gcgacgcgcc	ganggnaaaa	cccnagggcg	gannncaagg	acgcggagnc	ggcacgaggn	60
gagagagatc	angccgcacg	ggccncttna	nnnccccccn	cgncgnaann	cagcaggcgg	120
gnccagtgtg	cnctgcatcc	ncacccgnga	ggccgacgac	actatcannc	ccacnnatag	180
gnggaggaga	cagaggcaca	gagcgcccaa	agccccacag	cnngcgagcg	gcagggcna	240
cgagcgangn	ccactagacn	ggngacagac	gcagaagccg	cgcanncac	ccccgggaac	300
nggaagacaa	cnccngacga	gcgagaccca	ggagaacgca	cagncnagcc	agaaaangnc	360
nnngaaccgc	anacangcan	cngacagaaa	ngcgacngcc	cacggaaaaa	gcgagcaacg	420
gaacnaagag	accaacnagc	ngccggggggc	aagggaancg	ggcancnngg	cgncanacna	480
agaccgaanc	gggaagccgg	acccaacccc	aaaacggcca	aaggggacan	accacaaaca	540
gggnanccca	aaaacaccaa	anncnannca	caanccgaag	gaaaaggccg	aaaccaaggc	600
ccgaggncan	ggngagcacc	aacngaagcc	aaaccgggnc	aganncaaac	ccgnaancac	660
ccaggaggca	ncaggccggc	ccnnggggga	nccaggcaag	gnncccggn	aaaancccca	720
gnnccnngcc	ccnnggnncc	angggggaaa	ccccg			755

<210> 4484

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1273)

<223> n = A,T,C or G

<400> 4484

anggnnnnnn	nnnnnnnnnn	nnagtttnnn	nnnnnnnntt	tttttncccn	aaaaaaattn	60
gggccctttn	nttttccaaa	aaaatggggc	cctttttggg	ggncaaattt	ttttncagan	120
nnncnnnang	ttttttggaa	aaanccccc	ttttttgggg	naaaacnnnn	nnnggnnnnn	180
nnnnnnnnnn	nnnangnnng	gggnnnnana	nnnnggnnnn	nnanggggnn	nnnattnntt	240
ngnannnggn	nnnnntnnna	ngngnnnnnn	tnnnanannn	tnnnnnngnn	nnnnngggng	300
nnntttnnt	nnangggngg	ggnannnnng	nanannnnnn	ggnnggggnn	nnnnngnnng	360
ggannnnnan	atannnnnan	nnngnnnnnn	nnnanntnnn	ngaattggnna	annnnnnnta	420
aggggnaacn	nnngngcnna	aaannannan	gaggggagga	angnacngaa	ancnnagagg	480
tanngaanaa	aatcgcacgg	gaacntggga	aacnaaanna	tcnannnctt	aacnaaanatn	540
taaagnaaca	naaagcnngg	nancanngnn	tgnnctgtta	gnagatctcn	ngnaacaatt	600
tntaaangga	tnaaatctnn	angnaagagn	agctnnga	ngnanangaa	aangaannnn	660
naaacngang	annacanata	aacnaagngn	aaggttnctg	gantanaaga	ggatnaagaa	720
cgtngaaanc	annaancana	nanaactnga	tgcccanctg	agnttnnaac	nnattatnnc	780
aangaaaant	gncntacatc	anattgggaa	natctaagcn	tcanaaaaana	attnnagnan	840
agnatnccctn	ngtatanaaa	ctnngatnct	nngnacgaag	ctataanaat	aannggaann	900
nnncataann	gnannaanna	aataatntat	nttggtnngn	gncntatann	taagnaangg	960
catacaagat	natataagan	aagntactat	naanatnctn	ngggaagnga	ntcnacacac	1020
tantntntnc	ccnttggang	nnatnagatn	anncnanttn	ngnntancnc	nnctgtcatn	1080
ntnaaagaaa	ngttnanaca	ganatcctcg	atanananaa	agncaaagac	anaggnanna	1140
caaacttngc	nnannncaaa	ngtcacttcg	tantnnacat	ngnaatanca	natnatnnnn	1200
anacnncgna	angcacaaaa	ngtananana	catnnataaa	aanntngnat	gntcgacngn	1260
agaangctcc	ncn					1273

<210> 4485
 <211> 1240
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1240)
 <223> n = A,T,C or G

<400> 4485

agggnnnnnn	nnnnnnnnnn	nnngagggt	gnnnnnnnnn	nnnnnnnnnn	nccnnaaaaa	60
aantgggncc	ccctttnnnn	tgccaaaaa	aatngcccc	cnntttggg	gcnaaaan	120
cnngggccaa	anccccaan	gcnnnttann	anccggng	gnntttccc	tnnggtngg	180
ccccaggga	aaannggaa	aaaggtntna	aaaaaaaatn	acntngggc	ctttaaagg	240
gaaaaagg	gggnagg	ggggggnggt	tggggggga	aaggggggt	ngggtanng	300
gggaaggga	gggggnaaag	gggggnagg	gggaaaaacn	gnnnnnnnng	ncgggggaa	360
naangcnnn	cnannnnnn	aaannnnnc	nnnncnncc	nnnnnncca	nnnnnnnag	420
agccnnggn	nnnnnanaa	cacannnnag	gccgccngc	nnacgnaag	ggcngggca	480
ngaaaaanga	aaacagcnan	ncannncnt	gantgcatnc	cgactgaaa	ggangncaa	540
acacnggang	aggnnnnnnt	cnnaagannc	aagggcaaat	naaggaccnt	gggnncnntn	600
ggacacntaa	agaaantgna	ncggatgnct	ncanattgac	agagangact	gggnngcang	660
ggnnatgatn	aaaagtaacc	canngaagaa	acngnnnnna	nnaccngata	anncgntngc	720
aanctngana	acggcngaac	cnnnnncacn	agcannnnnc	ncnangcana	anaancnata	780
ngaaaanng	gnntanagg	gggggntncn	cacanaaaan	ggacntatgn	ganagcnggn	840
caccanannc	naaancnaaa	nggggnant	gaacnatang	ggggcngggn	nnanaggggc	900
nanngngnan	canatanann	ccntngnggg	ggcnagtaan	anancngga	gcncggncan	960
ccanaaaann	ccgccanaa	ccaggcannc	aannnnccnn	gnganncca	gccnatnnca	1020
nganggantn	aaanaggnan	cgngcaaaga	gccnacgana	gcaannngna	cnatnnantc	1080
anngaacgg	cnnaaacnnn	agagncgaat	cancgacacg	ggcaaacant	naatagacaa	1140
ncacaannca	ngtnngngag	aagtaacncc	ggctncatnc	aaaacnnccn	cgcntaccca	1200
aanngnacnt	ccannnnnnn	aanaaaanacn	gtgcncgacc			1240

<210> 4486
 <211> 1444
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1444)
 <223> n = A,T,C or G

<400> 4486

nnanaanana	ntaantnant	nanannannn	nganaannna	nnaanannnn	annncnnnnn	60
annnnnaaan	naannatnnn	anganannan	aaaananata	aanannaann	anaanaaang	120
anannnnann	nagangnnan	nnaaannatc	naannannna	nngannaagn	nannnncnna	180
tannaagagn	aagggnnatn	annaaagggg	gagcnnaaan	angnganngn	ggaanatngg	240
angnannnan	tnaaaannnn	ananaanan	ggggagagtt	cctaaagggt	gggnaaaaac	300
ncacnncnca	aaaaaagacg	agaaatgggc	antggannaa	aactatcact	aangnnacca	360
nnncacaant	nannggtm	caacactaan	nnantnnnan	tnctangnga	nganattaan	420
cnntnnnnnn	nttnnaatc	tancatcnnc	cantanntan	cnntatnaa	ntcnnancta	480
ancannnnan	nnagannncn	attgaaaaat	tanaatatnc	acnatancaa	annaacancn	540
antaatnaa	naannaannn	naaganann	ccaanattcn	anagcnana	annacaatcg	600
naacntaanc	ancnattant	tatntnncaa	anganattaa	nnacnngctn	tatntaaaaac	660
tacatantct	naanncnaat	antatntaat	nnatntanac	acanatcana	gnagnaanaa	720

nagntaanaa	acntctnnga	ctantaanat	atctaactnc	acaaaagata	aatcannac	780
gtatacgant	tatnganann	actcnacaaa	ntctatnann	aaangnntca	canagtancn	840
tnaanaanan	tnnaacatna	gagcatngcc	acaangtata	nnaatataaa	ntagtancac	900
antatnnctc	annnaacata	tnnatanngn	tatnntggag	ctanannagt	ctnannnnan	960
agacacatnn	ncanaatann	tatatnnaaa	nanaacaata	ngtncntgat	nnannncnac	1020
ncacncacan	atacantnca	tnaanacatt	nacacaannt	annanaatca	canctaacat	1080
ctcatnnata	cnannntcct	tcacatannn	tcnnactatn	tantcactnn	aaaaacataa	1140
nannanggac	aactnnacnc	nctaatntac	canatnncat	anangatana	tagancnana	1200
acaaanatta	gaantanata	naaaatttaa	acgantcata	naaatattnn	aannanacac	1260
atancncanc	aatannaact	acnattanat	catnacanaa	ntantcgacc	ataaananac	1320
ataaatanta	tnannaanat	nanntaagg	ccanncanat	taaatcacat	atatntatat	1380
anatnanaat	gncagaagat	atananncna	taactaaaan	tanacatnta	atantcncta	1440
tnng						1444

<210> 4487

<211> 1390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1390)

<223> n = A,T,C or G

<400> 4487

ggnnnnnnnn	nnnnnnngna	nggtttnnnn	nnnnccctt	tttttttgcc	naaaaaaaaa	60
ttngccctt	ttttnttgc	cctaaaaaaa	ttgggncct	ttttggggnn	aaaanttttt	120
ttcccgnnnn	gnnnnaaann	ttttttnnna	aannnnnnnn	ttttttnnnn	nnnnnnnnnn	180
agggnnnnng	ncnnnnnnnc	ttnnnnnnnn	nnnnntnnnn	nnnnnnnnnn	nnntggnnnat	240
tttttttttn	nnnnngncta	tnggnnngna	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnngn	300
ggggganant	ntntattnta	nnnnngnann	tnnnngaggg	nnnnnnnnnta	ntnggngngc	360
ganngnnng	atnaannntg	gcnnntgmng	nnnnanatat	nanatnannt	nngncannna	420
atnngnnnan	nnnnnannag	ggggggcgcc	annnacaanc	anttaagcta	anaaattncn	480
antnanntgc	tgaantgaan	gaacatncan	annttaacan	nnctgnangg	ctanntgaag	540
ncaanatggc	ttcaannaan	gcntnntang	gacttanggn	tacnggntat	naggnacctn	600
cttanntnnt	nctaaccnta	tctngaacgg	nctncacctc	nnaaattgna	ctantatnnt	660
aaaaannatc	atnatnanat	ntnngganaa	ngctgtcaaa	aantnnnnna	ancnnnnngg	720
anannngtat	ctanntnnac	ntggaatgnc	ntaaacctat	aaaaaannan	gmnataaaan	780
ntcaacnnan	annnanacnt	aatntanac	cntntaaagc	ncntanacnn	atttcgaggn	840
cctngacaat	anttttaann	tcatacaaat	gtgnngggan	antncntata	cacnggggta	900
nantgnacnn	nnnatcttgn	ggtanaaggn	tnctanagcg	ntatntnntt	agnggnnaan	960
atantntntn	gaggtatcat	gagnntaact	ctcnnatnna	nnctgatnta	cctcacgtng	1020
tgtgnatatn	mntncantnn	atctctanat	ncntatanat	atcgcanaan	atntacanca	1080
cnnnngtnaa	tatantnnnt	annntntacn	ggantngagc	tctacagatg	ttntcganna	1140
anattttang	anaaaaaatag	gtacanatan	ntgngggnac	tnataaaaacn	nganggnnnn	1200
tnnttttnaa	aaggnnnnnac	agnactttcn	atnaatagga	tataactcca	ngagcnactt	1260
tanccecanag	atcatntcat	acgncgngna	annnnnncta	ncataagnct	nttgagccna	1320
tacnngctnt	atancnacan	gnatannnca	tnnggaaagn	actctatnan	gatnnanann	1380
cgncanacn						1390

<210> 4488

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(960)
 <223> n = A,T,C or G

<400> 4488

ttctaantngc	tngctctcgc	tctcttggag	gntccctcga	ttogaattcg	gcacgaggct	60
cgtgggaggc	tgaggcagga	gaatctcttg	aacctaggag	gcagatnttg	cagtggagcca	120
agattgtgcc	agcctgggag	acagggtgag	gctcttgtct	caaaaaaaaaa	agtccacatc	180
ttcatgaacc	ctnagactct	ggagttgggg	tgtcggcttt	tttagcccag	cttttgtggg	240
aattgccttt	tgacctatta	aagaangaaa	gtggggtaat	gggagtncca	gccactcaag	300
agactnngat	atcccccccc	aaaatgggtt	gggttaccna	gcttttgmmc	cccntnggaa	360
aaatgaaaaa	ctnaaacctn	tntcanctgg	gnttttnncn	tttgccaaan	ttcattttng	420
ngtttttaaa	nttttttctt	aattnaccan	ttaaaactcc	cttatttttc	ccatggttct	480
tncaaggggc	cccttggggg	ttnaacanga	acnaccagc	tttnganttt	ttaanaagcc	540
angaccattn	tgggcggaaa	ngaaaaaacc	aatggggcaa	tttggaatn	ggtgnccnga	600
agtncccnnn	acaaaaatng	tttaatttta	attattaccn	cccattccna	aaatttttna	660
aggaanaaaa	aantggnaan	tttccttttt	angggtttcn	aaaaccctg	ggaaattnga	720
tttttaaang	ccncaaaatt	taaaaaccct	ggtttgccaa	angttccaaa	naaaaaatnac	780
atnttacnat	cctcttcata	cctaatcnct	cnactacctc	aatncttnnt	ncanatctnt	840
caactnttna	nnattnccat	tctngatatc	canntnanat	aacnnatnnc	ncntanaaan	900
tnnnttatct	nanataatnn	ttctgcnat	cnntctcatc	cctctnatnc	tcnnntnct	960

<210> 4489
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1024)
 <223> n = A,T,C or G

<400> 4489

aatncnaggc	tctcgttctt	tttgcaggat	ccctcgattc	gattcggccg	aggattccga	60
gtgtttacta	agcctgttga	ccctgatgag	gttcctgggt	atgtcactgn	aataaagcaa	120
ccaatggacc	tttcatctgt	aatcagtaaa	attgatctac	acaagtatct	gactgtgaaa	180
gactatttga	gagatattga	tctaacttgt	agtaatgcct	tngaattcaa	tccagataga	240
gatnctggag	atcgncttat	taggcataga	gcctgtgcct	taangagana	ctggctatnc	300
cnntaattta	aagaaaaacc	ttttngaaac	cttttncngc	tnnttngnan	gaaantttcn	360
ggaatntttt	aaanaaaaaa	angnttgmn	ncgttcccc	naaaaaattn	ccccccgmn	420
ttttaactna	cmctgggtgg	attgggccc	aaangcccaa	aaatttnccc	ctcctttggg	480
ttggggnnng	atttaaaaag	gattccntga	nccccccgna	ggcccnagnaa	attggganaa	540
aaggctttan	aggaacaccc	cgggggttaa	ccttnccctg	gtggggncct	ttggccaaan	600
cnancntttc	cttnggcttt	caaaaatttg	taaaangaaag	ggganaaaaa	attttctngc	660
ccaaanaaaa	agggttccaa	aaaaaccttg	ggngtgacct	ttttaanggg	nccacccccn	720
ttttnttaaa	aaaaaaagcc	cnnaaanggg	ggaaaggaaa	tttttttnaa	ccaagggggg	780
cccaaaaang	ggattgggna	tttaggnccc	cccgaaaat	tggcccnntt	ngggaattcc	840
nccccaaaaa	atttggnnna	aagttggant	tccccccang	gggaaaacct	tcanggaccc	900
caaaggtggt	tagaatccat	tnatggggga	cccggaaaac	ncnnggagaa	gtctttcggg	960
ngggaagaaa	attnanaaaa	cgcgcaaant	gcccnttttn	aaagcaaact	tggaattggg	1020
aaaa						1024

<210> 4490
 <211> 834
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (834)
 <223> n = A,T,C or G

<400> 4490

gnnnnnntnn	nnntttcaaa	tgettngcan	tcgettggnn	gcaggatccc	ttnggaagcc	60
nttggacgac	acgtggcgtn	ccgctgaatt	naagcatatt	agtcagcgga	ggaaaagaaa	120
ctaaccctct	agttttaatt	ggacacttct	ttgctgnngc	aatctatgcc	gngtatnnnn	180
gctntaagtc	agaaccttgg	attacaaaac	ctcgagcncc	cccagnagt	gtgctgtatt	240
gtcaaagcgt	gntctgtaat	atttcctcta	atttactcag	aaatgaagta	tatgggtcat	300
taagcttaaa	ggggaaccat	ttgtgaatga	atatttggaa	cttaccaagt	cctaagagac	360
ttttggaaga	ggatatatat	agcatagtac	cataccactt	ataaagngga	aactcttgga	420
ccaagatttg	gattaanttg	gttttgaagn	tttttggata	taaatatgta	aatacatgct	480
ttaatttgca	attttaaagt	aaggggntaa	ataagttaga	canttaaaag	aatgattgg	540
taccataaat	tagtgctaan	gctgaggaga	actacaggnn	ttcctttgga	ttaaggattt	600
gagangagtt	ggtggggcat	gcaaattaaa	atggaagaan	ggaaaaaana	aanaaaaaaa	660
aaacctcgga	gncctctnga	aacccattag	cgggggcngn	nttaccnnng	aancccnnga	720
catnggtnaa	ggaannccan	tggngangaa	nttnnggggc	aaaaaccncc	caaccntgga	780
aangccanng	gggaaaaaaa	aaaggccttn	aanttnnggg	gnaaannncg	ggcc	834

<210> 4491
 <211> 940
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (940)
 <223> n = A,T,C or G

<400> 4491

gtaggcccg	nttaagtttt	acnnttnaaa	ttttcagcca	cngantgggt	ccntnncgnc	60
cggnnttctt	ggagggtttt	ttntggattt	tctnttttcc	tnncnaccat	tttcattncc	120
ttcatnat	cngngccent	tacntttaaa	ggtnttaccg	tccggtatng	cntaatggaa	180
ggggtaaaat	cnggnnaatt	catggnttgg	ccattctggc	nctgngtncc	ccntncnnan	240
aggncttnac	cnaaccttga	tggggncntc	tacttcccc	ctaagctttt	ttgtgccacc	300
tngttgnttc	ttaggtacaa	aactattcca	aatggtacct	gncctggatc	cntnggccaa	360
tggggaccnc	atgggttaaga	ttctgggtnt	ttttaaccat	naaaaaagng	ccattaaana	420
tcccggntna	agattncaaa	atgntattgg	gggcttccat	gaatgggact	tgngggactgg	480
aaattctctg	gggantcaat	gnaataatgg	tnaatgaatg	tgaagacctn	anaccntgca	540
ntacttggan	acttcttana	cacttgtgcc	aatttnggat	attacctana	atatttttta	600
aaaatgggtt	tttcntttcc	ttttaagtaa	attaaaattt	aaccttttta	ggcctttacc	660
tggnnaaaacc	ttnttttttt	ttacccttcc	anttaaaacc	ctttaaaaaa	anttttttaa	720
aaanttttnt	ttggggaccn	tnnttttttg	gttaaaaaan	aaaattttta	gccntttttt	780
ancccccccc	ctnntngaaa	aaaannnttn	ggnaaaacttc	ccngggggnc	cttttttaaaa	840
aaccttttag	ngggggggnc	cgaattttac	ccgtgggaaa	ccccnccncc	cttttatnaa	900
agaaancccn	tttggtatga	agnttttggg	nncaaaaccc			940

<210> 4492
 <211> 840
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (840)

<223> n = A,T,C or G

<400> 4492

taatanctng	gctatngttc	tctttgcagg	atccctcgat	tcgacaccca	atggcgggtn	60
acgccgggtgc	anagggggggg	cccggggggcc	ctgggtggccc	tgggatgggg	aaccgcngtg	120
gcttccgcgg	aggtttcggc	agtggcatcc	ggggccgggg	tcgcggccgt	ggacggggcc	180
cggggcccn	gccccngact	tncngaggca	aagccnagga	taangagtgg	atgccccctca	240
ccaanttgng	cccttggtca	aggacatgaa	gatcaagttc	ctggaggaga	tctatctctt	300
cttctgcct	attaggaatc	agagancatt	tgantttttc	tngggggcct	ttttcaaaga	360
ttaaggtttt	naaaaaattt	nccaatncmn	aaacanaccc	ttccggcaac	gcaccangtt	420
naaggcattt	gttgctatnc	gggactaaca	atggccacct	cnggtctggg	tgtaaagtct	480
ccaaggaagt	ggnccaccgg	catncgtggg	ggcattatcc	tggccaaanc	tcttccattc	540
ntccccctgc	cncaaaaggc	ttacttgggg	ggaacaanat	tnggcaancc	ccaaaanttg	600
tncctttgca	aaggtgaaca	aggnccattt	tcgggntntt	gtggcttggg	ttacccccctt	660
aatnncctng	gaaccccaan	gggcaacttg	ggcattntan	ttttcccgta	acctngtggc	720
ccttaaaaaa	aaacttnttt	cattnantgg	cttgggggatt	ccaatgnant	ggcttacaaa	780
ctttaaacnc	ccggggggctt	tcaannttgn	tcaaaccctt	tngggnaaaa	ttttgncctt	840

<210> 4493

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 4493

cntttttgaa	ancccttggc	tacttgctct	ttttgcagga	tcccatcgat	tcgaattcgg	60
cacgagccaa	cgtgttaggc	ctncnnngca	cgnnnctnaa	gctgnttctg	aatgagaccn	120
agncncntga	anttnacaaa	gacatccccg	ngaagacttt	gaatatgaan	actgngtggtg	180
tcnatgngtt	acnaacaaca	ntatacttct	nnctgtntct	natcaatggn	natngggnaa	240
cccttcccta	attacacctn	tnccctacac	atactnccc	atnnacacac	acntgaacac	300
actgangatg	tnccctttta	gtgtgngtnn	aatntgctgc	mngnattgaa	attnaaatgg	360
gattgatnan	tcaagtgact	tgagacctga	cagcatcttt	acactnaanc	ttagacannt	420
atgcnctcat	gtgggcagca	ngttacaatg	gtacttnagc	ccacagtnta	ttgctatact	480
tgagttctta	actcanaaca	tatatnttga	tttgaatggc	atantgtata	tatnatattca	540
tgcnctttta	aaattatctn	anaccncttt	natganatgg	gcagnatgat	aantgtctaa	600
cacctgggat	ttaactggat	aattttgctn	gaatctttta	ngttttganc	tnnccaggac	660
nagttaacag	acctcanant	gttccaaagg	cttaaatggn	naactcnaag	cccttttttna	720
aaattnatgg	agtccaannt	tacctgggan	ccaggacant			760

<210> 4494

<211> 793

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (793)

<223> n = A,T,C or G

<400> 4494

tnanngtana	agacnncng	naaagcccat	cagccggaan	gcaaaggncg	cggttgcccc	60
------------	-----------	------------	------------	------------	------------	----

caagagnggg	aggagtgggc	tgacagaagg	cccnntccc	ancegcgcac	nggcngaccc	120
ccaggggcta	ggatacngga	gatgaggaac	ngganaaggg	gcncaaagag	cacanntgac	180
tggnaagagga	cacagagctg	ncctncaagc	anangaacga	agnncncata	ccccnggaac	240
ctnccccnct	ccaggtcac	accncnagct	ccancaanga	nacctnangc	gacaacannn	300
aagnnccctn	ccccaaccta	gnccnncagc	ccnaaangaa	ngaacacaga	tgaanagccc	360
tgaagacanc	nggngnccac	aggngnggcc	cgangcnccg	ggtgaaagt	gaaganngac	420
cagtaagagg	gaagaaagaa	tggtctctcc	ctcanttcag	agaanacatc	ctagtccaaa	480
gngccctaa	ngcacncaag	gtctnngana	gtacattcc	ctcactganc	ccagnagaaa	540
nacactacca	actgangcac	canctaggat	taacaacnag	ccaagcctcc	ccttnccttt	600
cncaaggaaa	cntcncccca	caagggccnc	cccaatccag	aaaatgccta	taaanccctg	660
gccaaacttc	ggggaaagg	gaccnccnng	aagaaacaaa	ttnaaaaana	aaaacnaccg	720
ntaataagna	accgggngga	aaaaaggncn	aaccnccaa	agggccccc	ggcaaaaaaa	780
atccccaagg	ccg					793

<210> 4495

<211> 1487

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1487)

<223> n = A,T,C or G

<400> 4495

agggggagg	gnntttttan	cncnccccct	ttaggngnga	aaaaaaancc	cccntttttg	60
gggagaaaa	aaggnccccc	naanntangg	gggaganatg	nnngaagagg	gnnannggg	120
aaagcanacc	naaagngggg	anannnncng	nnaaaaaaan	gcngngncaa	gacagnaagg	180
ggggncgaga	gagnnngcng	gggaganana	aggggaggnt	ntntgagnna	anggccgaat	240
ngacgaaggt	ncggatgggg	gncaannang	ggnganagg	gaaagngna	anggnntacn	300
ngngantgg	aaangnnnat	nnnggggana	aaggngantg	agnccggcaa	aannantann	360
ncggatang	gnataggtng	antgamtgg	angntancnn	agataggcgn	agannngaaa	420
ntggatann	tgnnacacna	tggggnataa	ggcnnnnann	gaangganca	ggangangaa	480
ngggcatant	agggcgaang	aagaannnnn	gntaggatgg	nngnaaaaana	aaantgntnn	540
ngaaagagaa	nmtgangnaa	gtgncggaga	aggacgaaga	ataancnatg	cggaagnann	600
aaggngnang	tnnaaaaggn	cangaannca	gaacatngan	gncgaaaaag	cacaggnnnn	660
anggaagngg	gtgcnaaggn	gnaanaagag	ctatnagggg	gaaaggaagn	ggntgngggg	720
annngaagan	aaggggaggn	aagcaaggaa	acgatgnnan	aagaanaggn	taaacgcaag	780
naggtatnaa	naaaganaca	ancgamtga	naggggaagg	gngggncaca	atgaangang	840
ngaattgnta	ggacgcanna	agacntagan	ganagncaaa	gacgtagngn	caaagganga	900
nannnacgcn	agngnggaga	cgtaaggggn	angngtnagn	cnaanagata	ngganngnga	960
aaanagggng	aggagangta	gaaagncgaa	cagnnnnang	ngagngtggg	ngtaganaga	1020
ntnnggaaaa	aaggggacgc	gtanganaac	gnangacgca	angaggaacg	aagcnaaana	1080
gagnnaggag	nananaagcg	aggaganaan	gatnagggag	agntgagana	naacgaatgg	1140
ncganaagag	agagnaggtn	ngcanngagn	agaagancga	nggagganna	gantgacng	1200
nagnngagag	aantacacnt	atnaggnng	agaagataaa	ngcngagaag	atngannng	1260
angaganacg	anagnnatgn	aganagnnaa	nntagnagag	agagagnng	ngagagaaaa	1320
angtgagagg	agaggnaaga	ngaancngga	gnggacagga	ngagagnnnt	atgnnnngnn	1380
anggganagt	gnntntcntg	ngcnacannc	nnatnnggac	nacgagatgt	gcanaganan	1440
gnngngnaga	ngnngnntag	atagaganna	nagggnataa	gagacng		1487

<210> 4496

<211> 768

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (768)
 <223> n = A,T,C or G

<400> 4496
 tnnaggttng nnntgtnggg cctntttnncn tngttgtaan cgctggctng ctgcgcanca 60
 nctngctgnn gcgaattcgg cactgaggtgc attgngggcca atgggtggcnt ntgtagttcc 120
 tgaacatcag ctgggaactg catatggctt catgcagtcc attcagaatc ttgggtnggc 180
 catcattnc ctcattgntg gtatgatact ggattctcng gggatattgt ttttggaagt 240
 gtnccttaatt gcctgtgntt ctttgtcact tttatctgtg gtcttactct attnggtgaa 300
 tegtgccag ggtgggaacc taaattatnc tgcaagacat agggaagaaa taaaattttc 360
 ccatactgaa tganangtnc aaatgaatgt gncatgagaa tgggcttaac acatcgttgg 420
 tttgaaaact tncattttta aaaatttaga gtttagtcat tagaaaaaat aatggactgg 480
 aaagtatat gtatatccaa atatacctat ttcaaagtgt atttgtgagg cctgttntag 540
 cctgtgtctt gtgtattgng tgcgctaaa gantttact tttacnnngc tcatcaacaa 600
 tgaaaggggt tgaaaattgc tgtggaacat ccacgtganc tttttngaaa gacagtnaaa 660
 aaatggnaaa cgtttgagc tttctnttga gataatctac atttaggnaa tataatctta 720
 agggatacag ccctttnctt ttattcttat nncangaaaa aaaaanct 768

<210> 4497
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (718)
 <223> n = A,T,C or G

<400> 4497
 gngnctttan atanccttgc cttgttcttt ntgcaggatc cctcgattcg agcggccatg 60
 gccaaacttg aggtgaagaa agcattcatg ggaccactga agaaagaccg aattgcaaag 120
 gaagaaggag cttaatgccaa ggaacagatt ttgcagttgg tggggtctca ataaaagtta 180
 ttttccactg aaaaaaaaaa aaaaaaaact cgagcctcta gaactatagt gagtcgtatt 240
 acgtagatcc agacatgata agatacattg atgagtttgg acaaaccaca actagaatgc 300
 agtgaaaaaa atgcttttatt tgtgaaatgt gtgatgctat tgctttattt gtaaccatta 360
 taagctgcaa taaacaagtt aacaacaaca attgcattca ttttatgttt caggttcang 420
 gggaggtgtg ggaggttttt taattcgagg ccgaggcgcc aatgcattgg gcccggtacc 480
 cagcttttgt tcccttttagt gagggttaat tgcgcgcttg gcgtaatcat ggtcatagct 540
 gtttctgtg tgaaattgtt atccgctcac aattcccaca acatacgagc cgggagcata 600
 aagtgtaaag cctgggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca 660
 ctgcccgcct tccantcggg aaacctgtcg tgccactgca ttaatgaatc ggccaacn 718

<210> 4498
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (760)
 <223> n = A,T,C or G

<400> 4498
 gnagnccggt tcnnangent nggctnnatc caatgctggc taaagttcna ananctggca 60

acnccaggan	ncangcgttg	cgaattcggc	acgaggagga	attacaggta	gcaaattatg	120
gagttggagg	acagtatgaa	ccccattttg	actttgcacg	gaaagatgag	ccagatgctt	180
tcaaagagct	ggggacagga	aatagaattg	ctacatggct	gtttnatatg	agtgatgtgt	240
ctgcaggagg	agccactggt	tttctgaag	ttggagctag	tgtttgccc	aaaaaaggaa	300
ctgctgtttt	ctggtataat	ctgttgccag	tgggagaagg	agattatagt	acacggcatg	360
cagcctgtcc	agtgcctagt	gcaacaaatg	ggatccaat	aatggctcc	atgaacgtgg	420
acaagaattc	gaagaccttg	tacgttgtca	gaattggaat	gacaaacagg	cttccctttt	480
tctcctatng	gtgnactcct	atgtgctgat	atnccatttc	ctagtcttaa	ctttcaggag	540
tttacaatng	ctaacactnc	atgatngatt	cantcatgaa	cctcatccat	gttcatctgn	600
ggcaattgct	taccttgggg	gntcttttaa	aaagtaccac	gaaatcatca	tattgcatta	660
aaacccttaa	aagttctggt	gggnatcaca	gaagacaagg	ccnaanttna	aagnggagga	720
attttattat	ttaaaagaac	cttttgggtn	ggatnaaaan			760

<210> 4499
 <211> 799
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (799)
 <223> n = A,T,C or G

<400> 4499						
ttaagntttt	tttggttggn	ntttcnaatn	ttgccanaaa	gctgnctact	ngtnctttcc	60
gcannatncn	ntcgattcga	attcnccacg	agctgatagg	tgccnccntt	aagacttttc	120
atagancnta	ngnccgancc	nncaccttct	cnnntgaang	atactnacc	agggnaatgg	180
tgnatgctgt	gaacanantg	gngaaccnct	cantntgnta	anattactna	ctaantcaa	240
aagttaagct	nnancncaca	cnnntatcct	acctcntncn	ctgagnntca	ngttnccac	300
aaaaggncn	aangccntng	atcnacctna	ttatggacnt	gntcatcnna	ancctaatat	360
nctnctcngt	acngtnnata	tttnacnncn	agcattcnct	atcttncatc	cnntnccaa	420
nctggnctct	ancttactac	ttgcacctcn	ctgtacccaa	cnnttccatc	cattgnntnn	480
cctatcaaac	tccttcantt	atgnccttna	nctcncgtaa	anacnnatgc	nnatcttgag	540
tncanacttt	tnntgcccgc	cngtngetcn	ntttctttta	cnnttggaac	ccgnataanc	600
atgnntttta	gaanaatnan	caccnggnac	cttntnancn	ctanatatgc	nctnnntant	660
gctntgactn	ntaaactann	ctcnaanngn	ncttananc	ttatnaantn	ncccttnat	720
natagtntca	ttaanggtan	tcnttttncg	gatccattta	nccctttnc	atttttgnnc	780
ctacntcatt	taacnttnn					799

<210> 4500
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (794)
 <223> n = A,T,C or G

<400> 4500						
ggtgnnttcc	ccctttgaaa	ccctttanac	aagctacttg	ttctttttgc	aggatcccat	60
cgattcgaat	tcggcacgag	ctntnttccc	cctatnaaat	ttgcaacaat	anagggtgga	120
gggtaatctn	tnctntccta	tactgccaaa	gaatgtgagg	aagaaatggg	actctttggt	180
tatttattga	tgcgactgta	aattggnnca	ntatttctgg	agggcaattc	ggtaaaatgc	240
atcaaaaagac	ttaaaaatac	ggacgnactt	tgtgctgnga	actntacatc	tagcanattt	300
ctcttttaaaa	ccatcatcga	gatgcataca	aagaattata	tatnaagaan	ggtgtntaat	360

aatgatagct	atantaatna	ataattgana	caatctgaat	cccttgcaat	nggaggnnaa	420
ttatgtctta	gntataatna	ganngtgaat	canccaactg	aaaatnctnt	ttgcatatnt	480
caatgtntcta	aaaagacacn	gttgctctat	atatgaagtg	aanaaangat	atgggnagcat	540
tntatagtac	tagntntgct	ntaaantgct	nngtaaata	acaaaannnc	tagaaagaaa	600
tatatatanc	ctngtnattg	tattttgggg	gagggatcct	gggataantn	nntatgntcn	660
tngaatcnc	tctggngtct	tcacattttt	ctaccannga	atttaatcna	atagtaaagt	720
tggtggnaaa	aantcaaagn	tnnggatttag	aaagatncnn	ttcttgaaaa	nacctgcttt	780
tggtaaatga	aanc					794

<210> 4501

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 4501

tggtttttta	ggtttggntt	tcnaatnngn	ctaangctgg	gctcttggtc	ttttngcagg	60
anccctcgat	togaattcgg	cacgagatga	gaaccagAAC	aagtctggca	gcgaggccgg	120
cagtccccgg	aggccacnaa	gacagcggtc	agatcaggac	tcagacagtg	accagccatc	180
cagaaagaga	aggccctncg	gttctgagca	gtctgacaat	gaatctgtgc	agtcagggag	240
aagccactca	ggagtttctg	agaacgactc	tcgcccantc	tctccaagtg	ccgaatcaga	300
tcacgaatcg	gagagaggat	ctgataatga	gggttctggc	caaggctctg	gaaatgaatn	360
ggaaccagag	ggatccaaca	atgaggcctc	anatagaggc	tcanaacatg	ggtcagatga	420
tagtgactag	gttttatttc	atcaataagc	ttcatctctg	gaggaaactt	ttttaatata	480
tgaaagctgt	gatcaaaatg	tttcacatgt	ttagtcaatt	gtgaaatttt	tcttaangca	540
attntctttt	ctatcanttt	gtatattact	aanccccaag	agacattttc	tgtgctagna	600
gtccaatatt	ttgagtctct	cntgcanatg	agacttattc	ttttgnngta	caatttcccc	660
tatcatatgt	gaaaaactgc	tntntcaa	ttanccctta	tgctanantn	attcctacna	720
nannttctnc	ctgntanctg	tngtacaa	ntntattnt	nttttntnt		769

<210> 4502

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1338)

<223> n = A,T,C or G

<400> 4502

agggngntc	tttccacccc	ctttgtttgg	aaaacccccc	ttttgaanta	ccaagcctna	60
ctttgggtgn	cttttttttg	ncanggnaat	cncccaattc	cgncatctnc	ggngaganagn	120
tcccnacaca	ctagccagna	cacanattct	atcaccaata	acnngttttt	tatcantatc	180
nncncanncn	ntcnnncga	ntntncgng	tangntgtcg	acaantntn	tnncntnta	240
aannnnncnn	tntactatna	tcnatngtca	tntcancna	ntnttctntn	ctancgnann	300
nnntnctctt	nnctantctn	actnngnnnc	anntnnnnan	atnnnnnctn	ctannaacan	360
cacnnngnta	tnnacnnnt	ntnacnntt	ncnctnannt	nnnantncta	tncanttncn	420
ncattaacat	nnncccnata	ncaannntna	ccnatcanat	acntttttnn	ganacnnann	480
nancnntctn	cttnccnnnt	ncctaacnnt	annnantctn	cngnnntttn	aanncttnnn	540
tnactnncac	tactnatata	tnntntann	ggntccanna	aactnnagtn	nnnccntana	600
ctgatnnnna	tnnnntnctt	cnnctattnc	nnngtantt	nanacnnacn	atcatnctt	660

ttcatnncnc	nanttncggn	aatcatntgt	antntaanan	naantcctan	nntcgncnct	720
cttcncttnc	tcgnnnntnt	atncactnnn	atnanntnac	taccactnct	ntatntcata	780
ccagantata	natnttnaaa	tcnnntnttc	ncnnancnnt	ctctcncnan	gcnttacgac	840
nnnnantcan	ttngtncan	tgaactaant	aaaantgtct	nttctatac	nncagncnat	900
nntntnataa	atactctctc	atnnatnntn	atnacacata	tntntncnca	ttctcctatn	960
atctgnatat	nntcgtcncn	ntctcngana	cnnncactct	atgatatnnt	ntacncacta	1020
tatntacnan	ngtatgntan	gnnacatana	angcttaaac	tnnanangna	tacgacttca	1080
ntatcncata	taacncctcg	ntatgcanan	aatcgnaactg	ttaatgactn	gtatntcgat	1140
acncctctan	angcntnngt	atacntntng	gtcnnanana	cttcatntac	nctngtantt	1200
atgntatata	tangcacnga	nnncnngnag	anacnanta	cacccttata	nnttacnana	1260
nntatatntc	taatnngncc	tctntnactc	tcnacgntan	gnnnnactgn	tatnttcaca	1320
cntaantatt	ataatnccg					1338

<210> 4503

<211> 884

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (884)

<223> n = A, T, C or G

<400> 4503

cncnntctna	tnggggnang	tnggtctntc	ctacctcttt	nagganaccc	tctcgccetaa	60
nancnnggct	ggggcggaatt	cggcacnagg	gaatggatat	tnggggngga	gantannntnt	120
nnattncctt	taggatcngg	cactgtggag	gaactttgga	aattgtnacn	tgctcacatg	180
ttgnacatgt	gtntcggnan	gcnnacacct	ncacctatcc	aggangcnca	nggcngatta	240
tcaataacaa	taacagacga	cttgcccaag	tctggatgga	tgaattcang	aatnatcntc	300
tatatnattg	ctccatgngn	tacaaaggtc	ncattatnna	tatatatcnn	cnnnanatgg	360
acttanacac	naacntcaat	gcnaaccttt	tanntgcanc	ctncanactn	tanntnctga	420
ncntntantn	ccacnncnnt	ntanctcana	gggaganana	caaatnnttn	tagcnnttcn	480
aannctacat	atcccagnnt	cnaaaagagn	ntgnctannc	tgggaattntt	taatggccan	540
nggtctgggg	ngtaaatan	ngatcantcn	ttataactgc	ctacnctnna	cnttcncaac	600
attatgaacc	ntttgctnnn	cgaantgnnt	tcccaanncn	ttaaatecng	nccctntcac	660
cnaatggcnt	caaanatgcc	caancnancn	cttnaaaaac	gnnctncccc	anactttttg	720
gngcantntt	tgacccccca	ctnggaantn	atttancatc	ccccnagtct	accccntttt	780
ttggaaaccc	nngcnaaatn	caatntggnc	cccttnnnna	acttnnacac	ccccccnncn	840
aaancaantg	natttnnncc	cccnngctct	tnccnccnac	nnnt		884

<210> 4504

<211> 1050

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1050)

<223> n = A, T, C or G

<400> 4504

tgggtggctn	gggggnnnnn	nnggnngttt	ttcttnnnnt	ngtntgggng	gnccttttac	60
tcgcccctaa	natcaganat	tggggtngg	ggggggnntg	gtcgtntacc	tntgnnttct	120
ctnagaatna	gtgtntttgc	tnntntgtct	ggggnatttc	nccnnttttt	ttctnggggg	180
gntntnnnnc	ntnggggggg	ntntcntgng	ggcncnntgn	ttgctancct	nnntntngnt	240
cnatgntntn	cnttgnnttc	nnactttntn	ttgtnattnc	ttatncactc	tctnctnttc	300

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natatctcat gttgttgntc ttcattttnc ncnaggtcc cnntgntcna tntttnttat 360
nncnncnntt tntgctntcc ttttntnnta nagtgncaact ntctngttnt tncnctnttt 420
tacnnaantt ncttnttant tttncnttt tntttccnnn ngetgtntnn tngggtnctt 480
cngccttctt cteccgntct tctcaatcg ttcctnnctt nttctncttt gngnccctgt 540
tnnattttnt tnnntntnccg anctcnttac ntccntcctn gtaattntcc ctntaatecg 600
tntgcgcnnt ntcccttnat tnnctcttng ngatncttng gnattctcnn tccctangtc 660
tatntgctnt ttgttccnta nangcnnta ttntgtgncc tctcncgntt gnggttctct 720
gtttgtnnng cncctgtcc tcttaaatnt tgtcctntgn ttncannngn cntttntang 780
gtctntngnc ccttnttnac cnactttgtt atntatccgt cnntcggtna gttcnnccna 840
tgctggtttt ntngcnctan tgnccctgct tctctnnttg nnnctcnnnt cntcggtntc 900
nctatgnggc tatgttntnt tntccntntc tttccattnc ngegnnacc cctttntct 960
actnttnatc ttcnntnac ctntntnnn ttctntttag nnttntnnn atcctctnng 1020
tgttttntct tcnncctt ctnttgngnc 1050

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<210> 4505

<211> 1421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1421)

<223> n = A,T,C or G

<400> 4505

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nttgnattgg gcggtngagg gntgaagggc ccttttttct tttttcetta aaatggettn 60
gtggagcanc tctnnntnn cctctganac atcagaanat atgggggntn cggngcnnn 120
nnntaccacc ncantncnat gctagctncc nncgncnca antctncng acccncngn 180
cgctctttt gtntcngan tnnnaacctg tnnanccan ntactctan nncntnnngn 240
ctntgngcag ctggannnnn ncnacnnna ancnngcact agnactncca ntntngnat 300
ntctnagacn cnnncntna ttcnnttgn ctcaagtca tncntcnc cccnncncca 360
accaccnnc ancacctgn gccccacnn catnccnca nactancan ntctaacc 420
tcantntnc ncacnecan mctncacat nctntcngc ctctnccnc acatntcct 480
acntttncat ncctcccaa naacttntc tntcccnac aaacacngcn nnnnnncgct 540
ctcnnacnc acnncctnnn cmtantcnn teganttccc cataatnctn tnnancnngn 600
ttcncnctn nttccctct cctagnact nctctctcc ntctttatca atcnnnccca 660
nccccatcat cccctcnnnn cccctcact ccttntcac tcnagacact tctntntatc 720
nncacnacnt anagctcata tnnccactn cantatnnat cccttctcn ctactcnn 780
tatctcnaca ctctntctc ncantacct nngcgntcnc ttntctncac nannntncat 840
ttctncaact cantntccta ttctctttn nnnanacat tcacnnnctc ttctcgnc 900
tgtcnacann ttncntnnc cactnccctg nnnatnnnc tncnntntct cmtntnact 960
catntntcat atacntatc tantatctnt ncnctcnn ntntcttcc nactccttg 1020
cnacccctca tcnactcnc cntantcac anntcncat cncncann cncacctat 1080
atcactncca tntctctnt caggtttaca ctactcac tcnactnnc atcactnt 1140
nttcnnncn tangtncnn ntactntatc cactctntct cacatctcnn ctacncanac 1200
ntcncacna tcaactntct acnncntna nctnattacc nntcactct cctcannac 1260
cctntccgc tctntcata tctcnnngn ctcatnttct acatntttca ctntatange 1320
tcctctcact nnnnccnca ctatacgat atcganaca acgtatntna aaccnactn 1380
ntatctanac tctctcnn tntcccat tntaccttc t 1421

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<210> 4506

<211> 952

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(952)
 <223> n = A,T,C or G

<400> 4506

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cncctaaana	gnnaggctgt	ggagnnccaga	ccnccnatat	gacacnntan	atncttaata	120
annntgatt	ntntgccaga	ngcnctctgc	antgnnacng	tnnggggngg	gtgaacacac	180
nctctgcac	ggntatcnag	ancagncttn	actnatnctg	gactacaatn	atgtgagata	240
acacanaacat	tanntnnaan	nnananactn	tattcnttnt	tnactaganc	gntcctncga	300
tnngaatncc	ctcctcctna	ngaaactagc	atggatgttc	acattcaagt	gtggggatnn	360
ttatcaattt	gctatttnat	aaaanatacc	aanntntncc	ctntncaana	taattnnct	420
cngatatatg	gtccatccat	ttantgaaan	gctnttcncc	ctttcaaaan	gatacnnatn	480
angncanncc	cngtngcctt	acttggctna	ttaaacnnna	natcantcct	gnncagatng	540
gngtnttcca	ccannntttt	ncccnagcc	ttannntacc	taacctcnct	gntcctccaa	600
gctnctaccc	tttccaaccc	tcacgcnctn	tcncaaaacg	tccctttnnc	tactctcnnt	660
ntttcgaann	tcccnattn	taccccattn	cccnttcccc	nctagccent	naattntanc	720
cntttncctt	tatcntcnnc	tncacttttc	gtntctcnct	nccctcatac	cactttttct	780
nnnatcncca	ccccgncnnt	cactactcat	cagccccctc	aactnctnnc	ncatnanatt	840
ttnacnctnt	cantcccttt	ctntnccnnc	tctntntttt	ctcgnaacnc	ctccactcnc	900
ntctatcnng	cnttttcenn	nnctntcttc	cganncnntt	nctcctccca	ct	952

<210> 4507
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(789)
 <223> n = A,T,C or G

<400> 4507

nagttttttt	tggtgggntt	ttncaatcc	ctccttccag	ccaggatctc	ntnctntcct	60
naanaaaagg	ntgtggcgaa	ttcggcacga	ggtgagcccc	acaggaataa	aaaacactgg	120
gaaggggtaa	ccccctcacc	cccgaggagt	gcccaggggg	agagaggcta	cctgangggga	180
angaagcaca	aaanggaccc	gctgcagact	cagggcaaan	ggaatgccat	cngngctggg	240
acctgtgagc	actacangag	gaaacgcaag	cntggtggna	ctggttccag	ncacacaggc	300
aaagggcaaa	agggttggac	actaancnnc	aaagntactt	gggttcctcc	ttcttctnnt	360
ttgccttttn	ctgctnctnn	tncatganct	ccaagtccct	ntgnttgagg	gcggcagcan	420
aaagcccgtc	atttcggcgc	tttcccttaa	ccnancgnt	ctgctttttc	atattcttnt	480
ggcggtaan	ctcacgctgg	ttaccgagg	tnatggctac	ngcagcggnt	ccaacctgct	540
ccgttacgtn	ccctttgttc	tgtcnnacnt	tnangtccc	ncccttntn	ncaacgtacc	600
cacagtccct	ccctttctcc	ccgccccttc	gcgccccgnn	agcccnngtc	cccatttgna	660
caataaaaaa	gcacctntga	ttccacgnct	tcnngccttg	aatccccctng	tctnttaaan	720
ngncnnnaag	ntcccncaat	cctnnaaccn	ccnncatctg	ntgaancccn	ngncctttcc	780
cntnngnnt						789

<210> 4508
 <211> 1454
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1454)

<223> n = A,T,C or G

<400> 4508

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cccccccttt ttnggggggg ggaaaaaaaaaa nggggccnnc cgggttngng gggaaagggg 120
gntggcngnn gnggggggnt cngggggng ngngnngngg tgttngngng gggggggggn 180
gtgtngnggt nggtggnnna ggnnngggag gtgnnggggn ngggaccncg gngggngngng 240
agnggnggn nntgtngngt ggtttttttt tncngngnn gggggnnnna ggggaggggg 300
acggggggng tnggtnggc gngntnngtg gngggggggg gngntntggn tggggcmtgg 360
gtcgtnggg ngcngtggt ngncggcggn gantggngtt ggcngtngng ggggtgcncg 420
nccgcnngng nagnggggcg tgggcnnngg cngncngca cngggggggc gtggggcngg 480
gggncggng tgggtgnggg ggcgagnggg tggggggggg gngnagnggg agnagnggg 540
ggnggggtta gggagagggg tgggngngng gnnntntgn ggggatgtt nggggggcga 600
nngcgnnggg ngggggtggn tgtgggnnnn gggagngnga gtggnggntg gngggtngg 660
gtgnggggg ggggtgtgt gtgagcnggc gagnggtng tgtngnggg gnggngggg 720
gtgngggctg cgtgacgntn ngngagaggg tggngagng gngngagtg gtnangtgtg 780
gngacgtggt gtgtgggtgt nngnttggt tcnagngng nggngngtga gncngcmtg 840
gngnttgtgt ngtggagcgt cngngcgtg ngngngngng cngncggngg tgggannatg 900
ggngacngng tggtnngng gtgtngcgc gnggtgncg gggacgtggn nganggggtga 960
gcngcgggg gaagggtggt gagggtgtan ngngnggana tngannnnng tgtggtng 1020
tngngaattg gcgancgnat gngtgcggc cngtgnggg gcgtgtngg nnnntaggg 1080
gnccgaggat ggggnngngn nggtgcggg gtgtgggtgt ggtggngng cngacngcng 1140
gtgnttngng ngngnggggt ggtcncgtgt ggggggacgc ggaggtgng atgcnnatgn 1200
tgcgtggcgg ggnngngcgg gngcgagng gcnanagt ggggtgngt ggttgtngg 1260
ngggtnggg gggngggng gntgtgccc gngngcggg ngcggcgtng gtggtcggg 1320
gggggggatg gggncngtg gcggggngnn nnggagtgnc gacgngggg gcggngggan 1380
gggggtnggg gtgtngtggt gtgtgggcgc gngcngngg ngnggagcgn nggngtng 1440
ggngganggg tccg 1454

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<210> 4509

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(895)

<223> n = A,T,C or G

<400> 4509

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acgagaactt cntnaantgg tgtntnncac cnttngcaaa caggntntna agatgtgcnc 120
tttgggnntg ctntttggn acatacatgn ncnttacngn tatctntang nnaactcnan 180
aactntctng aatttgncna cmtgcnatn tattgtgtga agcgtgcac tanctcacgt 240
ttaccantaa nggtgccatt nccccatttc attatntncc acttataagg ctcaaaagaa 300
nttgtcccca ttccggccca anacacnctn tttagnntga atggntgaat tggcaaanca 360
tgaanntcaa accnattanc cgnnaactgg cancnatcn caanggcctt cntacctgga 420
ncttgttnaa ggtgggaanc cnttccttag gtcccaaan ttgtancatt ttacccttgg 480
cnnngtcatt aatttnattc ataacnaagn ggtcnatntt ntntctnat gaccccatcn 540
gtgaaaaaat tncctaatec antaacccca anccntgtc nttaattcca agtccntcng 600
ccntnanang aattcncctt ncnanaann ctngatctn ntntntnca agcangnanc 660
nnggccnngc ntngggnga anaaatnccc ttgnttnaan cacantcna ncccaaggtn 720
tncaaaaann ntctgnaaa tctnttttg cnnnannggt cttttaccn tanccnttc 780
ccaattggga atcacttga antngancn ngtgcntta gantttggn nnaaatngn 840
ctaaacctn ttggnntnt tctctntcc gcnnggaca atcctnncn anacc 895

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<210> 4510
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (779)
 <223> n = A,T,C or G

<400> 4510
 tggtnnnnnn naggttgggn ttttcaattt tntctanacn ccngnctctc gttctttccg 60
 caacaancnn gcggntcgaa ttcggcacga ggnnncccg nngatcagnt nttctnnnac 120
 tcantaanna cttctgggtn acnggatcaa attgaatctg cntaggctgc tgtatntgga 180
 gganncnngt tcgcngnant aaaanctggn catnnngang nctgancnnt tncnnaaag 240
 gntangtcca ntgnnnctga tcancnncaa ntacncagnc aganatccaa anaccagtna 300
 tatatgtnc nttgctcagg ggtgtggnc ccaatttcna tngagntcna cngcnnnnct 360
 cnngaactnc ntcncnactt cttncanntn gtcnngnaan ncnttntntc atctnagctg 420
 gcacatgaga gtacctctct gctatgccag aagtatgaca ccaccaggtn atagttccta 480
 cgacnnttac cactgtgact gattgagtgg tgtgagaatg agngactncc atnngattnc 540
 ncatttncca tccatctagg ngccactctn tnngcatnga ttncctcctg genaccnaac 600
 tctnngantn ggatgacttn tcntnagant ngattcttaa nactnngaan ttgatgatnc 660
 tacttatacn gnnattttgn ccctncngna aangcattga agtnnggttan ntaaaatagn 720
 naacnacccc anttgccaat ttncaaaaac cnccaaagcc tnaccccgng angggnnnn 779

<210> 4511
 <211> 10
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (10)
 <223> n = A,T,C or G

<400> 4511
 nnnnnnnnnnnn 10

<210> 4512
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (755)
 <223> n = A,T,C or G

<400> 4512
 ngtnatatgc ttntaatgc ttcntancga attcggancg agagaagccn tgagcagcaa 60
 agtctntcgc gacaccctgt acgaggcggt gcgggaagtc ctgcacggga nccagcgcaa 120
 gcgccgcaag ttcttgga aa cggtggagtt gcagatcagc ttgaagaact ntgatcccca 180
 naaggacaag cgcttttcgg gcaccgtcag gcttaagtcc actccccgcc ctaagttctc 240
 tgtgtgtgtc ctgggggacc agcagactg tgacgaggct aaggccgtgg atatcccca 300
 catggacatc gaggcgctga aaaaactcaa caggaataaa aactgggtcaa gaagcttggc 360
 caagaagtat gatgcgtttt tggcctcaga gtcttttgat caagcagatt ccacgaatcc 420

tcggcccagg	tttaaataag	gcaggaaagt	tccctttcct	gtnacacaca	acgaaacatg	480
gtggccaaag	tggatgangt	gaagtnacac	atcaagttnc	aaatgaagaa	ggtgttatgt	540
ctggctgtan	cttgttggtc	acgttgaaga	tgacnngacg	atgaancttg	gggtataaca	600
ttcacctggc	tgtcaacttc	ttggnggtca	attgcntcaa	agaaaaaact	tgggcagaaa	660
tgttccnggc	cttatntnt	caagaaccnc	catggggcna	agccccaacg	ccctttnttt	720
aaaggcncat	ttggaattaa	attcntnttt	nccecg			755

<210> 4513
 <211> 1166
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1166)
 <223> n = A,T,C or G

<400> 4513						
ggagnttacc	ccttnnngaa	acccctttat	acangctact	tggtcttttt	gcaggatccc	60
atcgattcga	attcggcacg	aggctacttg	ggaggcnaga	gttttngaga	atggccngaa	120
cccangaggc	cgctggatnc	ggnggaaggg	ctgttgngga	tantntanga	tcttgntgaa	180
tccactcca	nganancan	nttnatnnga	ccttntcnta	nnttantgn	ttncatatnt	240
nactcaanat	ngcaattgga	tntattnatg	cnnncanmtc	acttatcacc	tngatcatnt	300
ggaaacnaat	aannatctcn	annangatcn	gtcantntna	atantgngga	tcaacnntnc	360
ctctcntnnn	gggaatntna	ncntggtact	naccnnttt	ntaanacca	tcttnnccat	420
tnacnnncna	ngcnannan	annanantna	attnaattnn	ntntanccaa	gatccatcna	480
cgttangaat	tnttccccat	ngnggaattn	gcaanaacaa	tntcnnganc	taanaacaat	540
tcngccnntn	nacaaatcnn	ntnnanncan	nanncgccan	tntaatgntc	aantncaaan	600
cngcccngca	cgnanagatn	natnannnct	ctnantctct	ntnanccanc	ccatacnnat	660
tcgatancna	tnannacntg	gacntnctct	nnatcgtnnn	nacgtcatcn	ctaatanccct	720
ctcgtcatac	gcnttatgac	nngncctcta	acgcacnaat	angngcgata	tgatcnaat	780
attaagtctn	tantagtcgc	ancnctanan	nacnatggcg	nnatcnantt	naatgtatgc	840
gnccangtaa	nctnccgctn	cncatagntn	nanncnctnc	tccnnannat	gancnngtaa	900
natgtntacn	gnactntctc	acgnnattnt	cntatanagc	cgcgcnaatn	cnaancaantn	960
nantannctn	tatnangatn	attacntcgc	ttntncnacc	ncaataacnc	ngnatnnana	1020
acatcngcnt	ntgngtctg	ngntgannaa	ctcncannna	catntcnatn	acacnncgta	1080
nnnnanctac	cagctnttac	nttaatgatc	tcannnnnncn	cacatnanat	ntatcatntg	1140
acntnctacc	attnacnnag	ngaccg				1166

<210> 4514
 <211> 1185
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1185)
 <223> n = A,T,C or G

<400> 4514						
ggnnnnnggg	gggnnnnnnn	nnngnggggn	gnnnngngng	nnnnggtttt	nggggggggg	60
gctnttggtt	gggaaaaaaa	cccccntttt	tngggggaaa	aaaanttggt	ccnnnnnnnn	120
nnnnnggggg	gnnnnnnnnn	ngggggggng	ggggnnnnnn	nnnnngnnnn	nnccnnttg	180
gggggggggn	nnnnnnnggg	gggnnnnnnn	ccccnnnnnn	nggggggggg	gnccnnnnnn	240
naannngggg	gnccnnnnnn	nttttttttt	ttgggggnnn	ccnannnggg	ggggntntnn	300
ncccnngggg	gganancntt	tnnnnnnnng	gggggggggn	nnnnggggnn	nnnnnnnnnn	360

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nnngggggggg gnnnnngnnn nngntnnnnn nnnnnngggg nnnnnnnngg ngnnnnccnn 420
ntntntgnnaa nnncccnnnn nnnnnnnnnn gnntgnntng nnaaannnnn ntggggggnnn 480
ngggnaacnt tnnngggggn gggngnnnaa nnnnnnnnt tnnntnnaaa aagggggggg 540
taggctnggg gggggnttaa aannngggng gggggggggg ggnnnnnntg ggcgggggna 600
annnnnccnn ttnggggggg nngggngggag ggggnggggg gggnnntnan gggggggggg 660
ngnnnnnnng nggggggnng ggggggggnn gnnngnnngn gggggnaaac gggggggggg 720
gggggggncg gnnnnngggn nngggggggg ggggnggggn annggttggg accggngggg 780
ggggggnggg ngggggccgg nngggacnnn ggntnnaggn gggggcnggg nngggggncc 840
gtttgnnana aaaaaannna aangtggggg cntntgggac nntggggggg ggggggnttn 900
cggggggggg cccggggcnn ggggggnngg ggggnccnnt gggngggggg ggntnggggg 960
gmnanancgn nngntnggg naaggggngg gggggggnaa aaaaaanggg gggnnngnnn 1020
nnnggggggg gggaaaaann ngggggggga nggggggnnn nggggggggn nnannnnngg 1080
ggggnnnnnc cnnnnnnnnn nngggggngg ggggngngnn nnnnnncnng ggggnnnnnn 1140
nnnnngnnnn gnnnnnnngg gggggggggn nnnnnnttt tnnng 1185

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<210> 4515
<211> 1142
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(1142)
<223> n = A,T,C or G

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```

<400> 4515
ccncangggg ccnaacaan agggncncc nnttctntgg gncaggggga aancccttt 60
ttggccnaaa aaacngccct ttgggggggg aaaggngggg ccgggnccn nggggccan 120
gggggggnccc canaaaaaaa acnnnncccc ccncntncc cccctnnnn cccnccnnnn 180
aaannaaaaa agggggaacc cancnaagg gggggccaan anggggggga aaantntaaa 240
agggggggcn ccccaaaaac cngggggaaa aaaanncccc caagggggga cccaaaaaaa 300
nnnnnccnaa acccccntgg ggaacccaat anccccggg naaaaccccg gggaaaanng 360
nnnnaaannn ccngggcccn aaaaaggggg ccccccnnaa annntncccc acaaaaatna 420
aaaaggggcc acccntncc cgggaggnaa nntccaagg gggggacaag ggnnanttt 480
gccgggggga aaaagggant ccaccccccc ccnaggaaat caaggggngg cggggaaana 540
gganggcntn acccaaaacc cccgggggna cggngccng ccaangaaa agagaangna 600
ntntnnaaac ccgggggana aagngnaanc ncgncgnnan nggaagnggg gngcccccc 660
ccaaancaa angnccccn agggggcccn naacnggnaa cncnnggggn nnaaaggggg 720
gccnaaaagg ccccggggcc ccaaananc anaccnnag nnggnnaaac aaannnccaa 780
accctgggg ntntgggggg nggcaaaacn aaccccccg angggggaaa aaaaaatang 840
ggggnaaaaa ggaaaccaa anctggggcc ngggcnggna aanggnctga accccccggg 900
aaaaccccaa ncangncngg gggaaanaac aaggcnatgn ngcccacgg cgggcccgang 960
ccccaanac cnnntagnn tntccccn ngaanaaann acncgcaccc cggaaccca 1020
aaanngggga nagccnncg gggccaagg gnnancnggn nangcnccn ccnccgggg 1080
gncannnccn anacntnccg ggcnnnaacc ccccaanga anccggggga aaanaaggggc 1140
cg 1142

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<210> 4516
<211> 741
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(741)
<223> n = A,T,C or G

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<400> 4516

cacaccncaa	angcacnnna	aacnancacn	angnccgaaa	cgaccennaa	cgcgcgcgcc	60
acnnccnnnn	gacgcggng	aannnnccgc	gnaaaagacg	nagcganaan	caanacanag	120
cnncacaaaa	ncaccncnca	ccccccnccg	agtntggaaa	cccnangca	aanaccacc	180
ccacgnacgg	cgagggaac	ccaaccgggg	ccgcaatntc	gncnacncng	ggnagatanc	240
acnaaagnnn	nnccaccact	tnaattaaac	ccagcaaaaa	caccacacan	ggacacaggg	300
gggggcnacg	gganggcnac	ccgcannnna	cccacanaca	aaccggagnc	gcgncgccac	360
annacacggn	gcacnaanca	acaccccaag	anacnaaagc	ccncnanggn	aanagcccn	420
naacganncc	ancnccanac	aaccgaacac	acnaacgcna	cngaacaaaa	accangcnac	480
agagcccanc	gcanngnaag	naaagccac	acaaanagca	cgccngnaac	nagaaagccc	540
aacagacnna	caacagaacn	nanaagacaa	accccacggc	ncnncaanag	cccacganac	600
cacgnaancg	nnacccccaa	gcanaaagcg	agaggaaccn	nnncanaaag	ncgcgaccgc	660
ngcggngnga	nacaaggaaa	ncaannaaaa	aaangaganc	nccncacnag	cccaaanaan	720
cccgnnanaa	ccgcncnccc	g				741

<210> 4517

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(753)

<223> n = A,T,C or G

<400> 4517

ggcanttgnt	cttttgcnga	tcnctcgttc	gaggacnctc	gagagtnttc	atgtactagn	60
atggtactgg	ctgncnngcg	aatatctnng	accaattatn	aaanaaatat	gtgtagagta	120
ganataaant	ggtaactagt	nnnttatnag	aggggaagtn	gntggnttt	ataaattaaa	180
tgaacattta	tgcggtcggt	tatttnnacg	taaaaatagn	tggtatattc	taggnaacag	240
aaatttagaa	acctattttt	ctgtagaaga	aaggtgtcgc	tatctgctnt	tgatntctca	300
gatatttgct	tctccttaga	atgctatgan	cagatntnta	ttagaatgaa	gttntctaaa	360
ggcttttgatt	ggcatgagct	nnattactta	ttngcttang	ttaangatta	gcccaataga	420
catattatct	ttatggacca	ttgcaaat	ntctaanttc	taaccattnt	taacctttta	480
tatatgaatn	acnnaggaaa	ccatnnnatt	attataaagt	ntattcctgg	cncnntggaa	540
ngncactcaa	tnangtattt	gttaattgna	gntaaatgat	ccccagtng	agtagnnacc	600
tnncangttt	ccnnngggaa	tnctttntct	accnaccgtg	gggggnttac	ctctnnaaag	660
attgtttttt	nggttcccaa	cttnaccgng	gaaaantacc	ttgggaaacc	tggnccccct	720
nnagnanaat	cntcgntttg	ggcnccactg	atc			753

<210> 4518

<211> 972

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(972)

<223> n = A,T,C or G

<400> 4518

nnnnactana	nacatncaan	tnnntcannn	acnctcanan	nnaacannna	tacnncnnc	60
ananatnana	natnncnttt	caccacanan	ctcactnccn	tacacannct	cnacnactnn	120
cnaagnggag	ggaanntagn	gantannaga	gganatngaa	angcggcgca	cantaatttn	180
taaaggnngg	ntctntaant	ncttggntat	cgncctcat	gnaggnaacc	atcgcannc	240
ctnngatcnc	cncacagang	ttacatannc	actgttgac	cagcncagta	actaggtatn	300

tnacacctac	annactcaca	ngtgcacggn	tntannngcn	acntntaact	gctcttcatg	360
cttnccanggc	cctatnnang	aaanccagan	atnacannnc	ttntactatn	acttaccaca	420
canagngagg	cnttngctnc	ctaaacnnaa	tntntatcan	acaagcnntc	catcaanatn	480
tctaantnna	ngggctaata	angaancaag	tcnncgtgnt	gtgtancctn	ttctccctca	540
ncanatacaa	tacaggagct	gatatgcctg	ggctcaccct	gcttaanaac	aaggncctca	600
cnatcngncc	ataccctctn	tattaccna	gatgggaaac	ctctgnanaa	tggtgnact	660
ancctngact	ctantctctn	atatactgcn	nctntatngt	caatcncnat	ntaaaccata	720
anggttcaat	agcctataaa	aagngcgccn	gaaattagta	tgngnnattn	naggtananaa	780
actcanntaa	angcattcaa	atcttcangc	ctaccatgac	cctatttctn	cccactntaa	840
ccaanatgnt	nactctcana	tnggaggaca	ncnccttgca	atnctctcac	ctccccatnc	900
ctcaacatnc	caccangaa	accanaatgt	gntaancctc	nttncaacaa	aaatngnmgn	960
ggtaaagnaan	cn					972

<210> 4519

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(759)

<223> n = A,T,C or G

<400> 4519

tnagnttttt	ttgtgggttt	tctttttact	aanngetggg	ntatcgttct	ttccgcagna	60
accntcgat	tcgaattcgg	cacgagggga	ggagaggcgc	ggggagccag	gcctcggggc	120
ctcggagcaa	ccaccgagc	agacggagta	cacggagcag	cggccccggc	cccgccaacg	180
ctgccgccgg	gatgtccag	accttgtatg	attacttctg	gtgggaacgt	ctgtggctgc	240
ctgtgaactt	gacctgggcc	gatctagaag	accgagatgg	acgtgtctac	gccaaagcct	300
cagatctcta	tatcacgctg	cccctggcct	tgctcttctc	catcgttcga	tacttctttg	360
agctgtacgt	ggctacacca	ctggctgccc	tcttgaacat	aaaggagaaa	actcggctgc	420
gggcacctnc	caacgccacc	ttggaacatt	tctacctgac	cagtggcaag	cagcccaagc	480
aggtggaagt	agagcttttg	tcccggcaga	gcgggtcttc	tgcccgccag	gtagcgcggt	540
ggttccgtcg	ncgncgcaac	caggaccggc	ccagtctcct	caagaagttc	ccgagaagcc	600
ancnngagat	tcacatttta	cctgattgcc	tttattgccg	gcatgncccg	tcattgtgga	660
taaaccttgg	ttctatgaca	tgaagaaagt	ttgggangga	tantnccata	cacaacacta	720
ttcctttccc	agnatttggg	actacttnat	ttaacttnt			759

<210> 4520

<211> 841

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(841)

<223> n = A,T,C or G

<400> 4520

gtttttttgn	ncngnaaacc	cttggcannn	ncggancage	ggacncggtn	ntcgnattng	60
gccgagggca	ttgaaacctc	cgttcatnat	ttttcggagt	taaanaggca	gcantngcgn	120
gnntgtacac	actnntanac	aggnnnnnnn	atngacttga	cctnntngaa	tctctaaatc	180
angttccata	tggatcgaa	gnccattatg	cnattcanat	gcngcccntt	ctnangngng	240
tggygccntc	naccntngt	gcncgtgcag	aactgannnn	gacggaccgc	ctcantcnn	300
ncnaacgtgc	aanatgtatn	nanncagggt	aaggggaaca	ctaaccaagc	attgaggctn	360
naaaaacagg	gatnnggtat	agtganctnc	ccnganagca	aaagnanntc	tgctcaccat	420

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ttcccaggna gctnagaanc cgcngattcc tgaantcaga cacagaatna annctacccc 480
gnngcaggaa nctntcnntt gaaaattttc ctnacggngt cnttacntc ttnggcttgg 540
ggantnantn gggcaccaag taaanntntt ntgcncaccn ntgggggnac cctttccatc 600
tgacccattc nnnctctgt aacttgacan gntttntttt ccgcnattgg gaaagntgna 660
ggggtgctan agccttaaaa atgnaanccc cttttttttt ttaaaaanaa aaaagtttgg 720
tccggctttt attcnattgg tngggatggg ggggggagga naaccannta aagggttttt 780
ntcnngaate ccnnggggag tggnnccncc cgantttttt tgggttcaaa annctttccc 840
t 841

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<210> 4521

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(938)

<223> n = A,T,C or G

<400> 4521

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gnnncnnntt ctnnaagggg gggcaggggg ggtttccctt tctnacagcg agtgaggacg 60
tcnnantcgc ccnaaacana atagggcggg gnaatgcacc accagggaca ctcagnccctc 120
cnancggcgg gcctngngng aagaagccan ngggctgggc tgatgnnaat ggtagnnnac 180
anngatccct gggggcatcn cngaccnnan catacnagtg gnannanccc ntntnnccct 240
tgnaaancnt nntgnaggan gcanttcact gctccaagaa cnetggtgcn aacttgacan 300
annggctcca tgccctgnag ccgcgatgna tttgccggtg ncanacagag cacatccatn 360
ggggaatgg gnactnatcn atntgntctg aaaagnagat gccncaatcc tgcacanccc 420
accactcccc atganacntc tgcnnnggatc ttnagggacc ccccgtaact ggaaaacncc 480
nggccctgtc cccactntaa tgcacnangc acnccngagg ggnngnccntc tcaactgngcc 540
cttgtctgnc acnacgccct ngaccgnncc ccacctgang ancgaaaccn naggcngcaa 600
ccccnngtnn cccancaccg gcanccecat cccaagcaan nncctncncc ccccccttta 660
nnnnccaaat cgntcccacc tnanntnacc nntcggcnaa agtcaccgt tccnnncana 720
gggcntnncc ccnganatgg cnnnatnnaa cacctngaen tctnngancn naacnnnnct 780
tccccaaana nctttnagcc cttngccacc ccnccctngg gggaanccn cctnccggtc 840
aaagcctacc ttgnaattn cggncanana gggccccngn ntnttcnnn catactngcn 900
tccccnnngg ggcccatnnc cgaccncaaa aggggcct 938

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<210> 4522

<211> 1128

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1128)

<223> n = A,T,C or G

<400> 4522

```

gctccacaga gcgntttct nacngcaacc ggacgccgng naacccnngg ngccgnaaag 60
gaagggnggg gcgnagggcg cncnncggcc gncnngaacg ggnacagana cagttttttt 120
ncaaacacng acnccgaaaa natgcnnnga gngctntncn antnnnancn nagagcgcca 180
nacgtngcac aaangcngnc ngccnagtgg caccntnnc gacantcccc nagtntggag 240
acggnacnaat gacnanaatn ggaccngnc nanngacncc ncacncacac cnnnagngnn 300
gacanganng gngcctaana agnanangcc cacnnntgt gccacntct angngntnc 360
ccaggagnc ncanncgana cnaaaangcc ctnggggnc aacnggtgg accngccaan 420
ctngggmann cannaaggan gnntcggtaa ancctngnag gncngcagnn anacgtcacg 480

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cgnggcctca	ctnnacanc	ctancancgt	nccanntngg	gntacactct	ccaaacnaca	540
tgagtctect	cncnnaaant	ctcgggggng	nnncnncccc	antcatacnc	ancccnegna	600
aatnaataca	ccncgctana	tnccggcaan	atctgcngcg	acaagannna	gaccncncta	660
cgactnntan	ccannctann	angggncaaa	acggngcncn	cncagnaaga	cncgggcann	720
tncaanacan	cncncattnn	anannggctn	actctnagaa	nacntcctnn	aanctcanct	780
cacccttncc	ttgctntcac	gnggcatnna	cactacattn	agngggntca	cactcttcaa	840
aaggntctcc	tggncncccn	tnaaatgca	ncnactcttc	ncnanngnnt	ntccnagcaa	900
accaanagnt	caaaccncta	accanancn	cnntccccctg	gcctggnccc	ctttaaannt	960
ggaanaccant	cncctatngn	cnncggggaa	aaaccncnt	agcccacaaa	annangctng	1020
gtgaagnnna	atggaaagnc	tatnctcaag	naaatcccac	ctatttaana	ataancngnc	1080
cccgganccn	aatntggccc	cttaantncc	actcctntngn	nacccggc		1128

<210> 4523
 <211> 876
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (876)
 <223> n = A,T,C or G

<400> 4523	
gnattatngg	cctaaatnnt tgaagnttgg tgatnctgcn tnggggatng tngttncngg 60
caagcccatg	tgtgtacnaa agcttctccn actatncgcc ttgncggnc acaannttnn 120
ttgagataaa	acaannactt tncgnagngt gtcaaataana gctgcggacn agaatgnnt 180
tncanctgnc	natgncncct gcatatgctc naaaagacnc nganagggan ntgnnttttc 240
tcctttgtnc	cgtgcctcnn acttttagtc nctggnggaa gganccnacn cnatantgct 300
aaantgcatt	ggcnanttga aggttaggta gcaaacgact ncctanatga taanggtccn 360
gttannnaaa	ncttcngtng gacncnangg tgnantnang gctcnnttng gccttanctt 420
nacgngctag	nngnacntcc ganttatngn gnncttcatn tcaggggntt gctttanngn 480
gacagntaga	ccgaagattg gaaanngann ttggtggnc cattgncnt actnnngttg 540
ttccgnnana	nnctggngang nttgantngg tnggacnant ttgnaccnnt ttggttttgn 600
gaccaatcng	ngcaaacaat ggcaaaaatc cnccttcttt tcttnaaana nntaanaatt 660
cttanggttc	ctggggggcc tccctcttcc tgcnccaacc tttcnccaat tannctttac 720
gntgggntnc	tnntcaccac aaaccnttgg gganggtccc aancnccnng gggaggncac 780
aanaancccc	cattggcccn ccnnacctat tttgccnngg tnnacgaann attctanctt 840
ttaannaann	cnatnttttn atttnttttc ngaacc 876

<210> 4524
 <211> 806
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (806)
 <223> n = A,T,C or G

<400> 4524	
gtgntttcta	atgcttctaa tngcttggct actcgttctt tntgcaggat cccatcgatt 60
cgaattcggc	acgaggannt ctntgctatn gaacagnngc tggtnnacac tnnggantta 120
nnntgnacn	ntannnttg nancanntan tactggnnnt ccntaatncn nntaatgtna 180
cntnttgcaa	gnngnnctga tnaaatacac gacaggagg aaanctantg cgtcatagtc 240
acaggcagac	ctaccgnnta aggagatnat ntncnang gntggctgtt gaggncatgc 300
aactctggna	tgtatttccc tttataggac caccttgtnc atngtggata aagccctaa 360

agnaggatgn	naaagatgat	cngatccaat	acgttacnct	gacannaaan	nntgtnatac	420
ntcngctgan	caatctntcc	ancnnntnta	atategtgna	tcacctagg	tgtatgatcn	480
taggaactct	gcncctncan	tcnggactgt	ccatcacnga	ctnntgggct	nctactgtac	540
antangcgna	gaanancnnt	cannctacan	ntaaccagat	tggtgctggn	anatggtant	600
gcnnntttan	cncacacgac	ncaataaagn	ncnnctntnc	cccanancct	ntnnagggaa	660
gaaaggaatt	ttncatagt	ggctcaatga	anggggtacc	cttggmcttt	ntaaaaaacg	720
ttncatgggn	cctaccttaa	acctgngtna	actnanancn	nttngncata	anggggtctaa	780
cgncatatang	gggnacnnat	ttttnc				806

<210> 4525

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 4525

ggnnnttctaa	tgcctttctaa	taccttggt	ctngctcttt	ctgcaggatc	ccatcgattc	60
gaattcggca	cgaggaaatg	tgtatttcag	tgacaatttc	gtggctcttt	tagaggata	120
ttccaaaatt	tccttgatt	tttaggtat	gcaactaata	aaaactacct	tacattaatt	180
aattacagtt	ttctacacat	ggtaatacag	gatatgctac	tgatttagga	agtttttaag	240
ttcatgggat	tctcttgatt	ccaacaaagt	ttgattttct	cttgtattac	attttttatt	300
tttcaaattg	gatgataatt	tcttggaac	attttttatg	ttttagtaaa	cagtattttt	360
ttgttggttc	aaactgaagt	ttactgagag	atccatcaaa	ttgaacaatc	tggtgtaatt	420
taaaattttg	gccacttttt	tcagatttta	catcattctt	gctgaacttc	aacttgaaat	480
tgtntttttt	tttctttttg	gatgtgaagg	tgaacattcc	tgatttttng	tctgatgtga	540
aaaagccttg	gtattttaca	ttttgaaaat	tcaanaaagc	ttaatataaa	agtttgcatt	600
ctactcanga	aaaagcatct	tcttgatat	gtcttaaaat	gtatttctgt	cctctataca	660
naaaagtctt	taaattgatt	ttacagtct	ggaatgcttg	gatgntttta	aatantaaca	720
ttttatattt	tttaaaagac	aaancttata	ttnatcctng			760

<210> 4526

<211> 1236

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1236)

<223> n = A,T,C or G

<400> 4526

tttggtggng	tttggntnng	ggtgggggct	tntntntaan	gnntgntnta	aatcggtgng	60
anagncccta	anatngaata	gggttngggg	ccatncnntt	ntcntntacn	nnnnncncnt	120
atgcggnnnn	nngcctcann	ngnacttttt	tanatnatnt	tttnncctcg	nnannngntnt	180
actcancgtn	ntgttntgnt	netantccaa	natacatgga	tntgcccnn	actnnnnnacn	240
ntacaggngc	tngcccngnc	nngttcnann	nattancnna	ccanntnntc	ntnnttncng	300
anagagtnc	gcnnntctng	aaatgttanc	gccnctcgaa	cacnnntnta	tcnctancnt	360
gttctcttgt	ctnnctctnt	anatgantcn	gancttttna	atngagtncc	taatctcnan	420
ngntcttttn	gatcntntgg	tctttgcnta	nettnnaacn	tccttttngt	tangnanana	480
anccttcnta	aattnnannca	anttnnnttc	ctnnctaaagn	annngnccct	antnntntnc	540
ttnnantacc	ctnancnttn	ttcnancnna	tcnttcncca	cngtntntaa	ntnnantnna	600
tttcnaantn	cctnnctnca	acnacntcaa	ntacancntc	ctctcnanc	atcacaannc	660

```

aannncact aanncgact atttctncta nggntccnecg ctatttnttc cnactttnctn      720
ccaanannat annntanaaa atnntccttc taacnttnecg gctantctca tctctnnctt      780
annnnnnntc agcgacanat nnnncnctnc atatanatnn ctcangtann aanttctnta      840
tntntnccct nananacacn ntctntnnaa nttcttcnnt ntcttantnn natantttcn      900
ntntnttann natacnaact antntncntn nttntnatnt nnnatatcca cctntannnn      960
cantntnena tanntctnat tnaatcnent tctacancct annnntcn nntttnta      1020
ttcctttctt gngnaatata tcnatattct nctntannna atttntttct ntcnctctnc      1080
antataatat tttngggggn tntctnatna tntnctctnt aatttttncn nntntcnntt      1140
annaaacctt gngnaaatta atctctant catntatnct nnnnggnatg tacaccaaan      1200
ttngggttnan nttntnttct tcantntaa nnnngnn      1236

```

<210> 4527

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (752)

<223> n = A,T,C or G

<400> 4527

```

tgntttctaant anttgctact tgttcttttt gcaggatccc ttttgacgnc tttggcacga      60
gaaagaaagg gctcgtgaca gagaaagaag aaagagaagt cgttcacgaa gtagacactc      120
aagccgaaca tcagacagaa gatgcagcag gtctcgggac cacaaaaggc cacgaagtag      180
agaaagaagg cggagcagaa gtagagatcg acgaagaagc agaagccatg atcgatcaga      240
aagaaaacac agatctcgaa gtcgggatcg aagaagatca aaaagccggg atcgaaagtc      300
atataagcac aggagcaaaa gtcgggacag agaacaagat agaaaatcca aggagaaaga      360
aaagagggga tctgatgata aaaaaagtag tgtgaagtcc ggtagtcgag aaaagcagag      420
tgaagacaca aacactgaat cgaaggaaag tgatactaag aatgaggtca atgggaccag      480
tgaagacatt aaatctgaag gtgacactca gtccaattaa aactgatctg ataagacctc      540
agatcagaca gaggactact gtcgaagat ttttgggaaga atactgagaa cggcataaag      600
tgaagatcga catttaaaaa atgaggtgaa agaaagctnt tgtggcatag aaaaagtntt      660
aagctcaant agttttttta ttattattat tattaaaagt tttcaggac tgatgtgact      720
ncngatttna gaacatgtgg taatagtnta nt      752

```

<210> 4528

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (752)

<223> n = A,T,C or G

<400> 4528

```

tgntttctaant anttgctact tgttcttttt gcaggatccc ttttgacgnc tttggcacga      60
gaaagaaagg gctcgtgaca gagaaagaag aaagagaagt cgttcacgaa gtagacactc      120
aagccgaaca tcagacagaa gatgcagcag gtctcgggac cacaaaaggc cacgaagtag      180
agaaagaagg cggagcagaa gtagagatcg acgaagaagc agaagccatg atcgatcaga      240
aagaaaacac agatctcgaa gtcgggatcg aagaagatca aaaagccggg atcgaaagtc      300
atataagcac aggagcaaaa gtcgggacag agaacaagat agaaaatcca aggagaaaga      360
aaagagggga tctgatgata aaaaaagtag tgtgaagtcc ggtagtcgag aaaagcagag      420
tgaagacaca aacactgaat cgaaggaaag tgatactaag aatgaggtca atgggaccag      480
tgaagacatt aaatctgaag gtgacactca gtccaattaa aactgatctg ataagacctc      540

```

```

agatcagaca gaggactact gttcgaagat ttttgaaga atactgagaa cggcataaag      600
tgaagatcga catttaaaaa atgaggtgaa agaaagctnt tgtggcatag aaaaagtntt      660
aagctcaant agttttttta ttattattat tattaagaat tattcaggac tgatgtgact      720
ncngatttna gaacatgtgg taatagtnta nt                                     .752

```

```

<210> 4529
<211> 1017
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1017)
<223> n = A,T,C or G

```

```

<400> 4529
gntttcgaat gctgggagag ccatngngg ctggnnngcg cccaannaag ccctttggga      60
aagancgng cngtggggn gagngccan ggggnagnaa agganngngn gnggagngn      120
ggggngccn cngtttagng acagacncng gggagaaaac gggggcgcg gncgggagag      180
cgggngann atgnagggga ncggnnagnn nnnacagcng aaaggngcng naaggnggag      240
nntaaggggn ncnggncncn anacncgagn gtangggcnn gncagagccg cngaaganag      300
cganncgga ggcncgggnn gnggggggca tggccgngnn nngngggnag ccnagtnagc      360
gggnagaggg nangggcgcg gggggagngg acngggggan gccnngcgga nggaatagna      420
gggggagggc nngngagggg gncggngagg gggannccnn gcgnggggn nagngacgn      480
ganacgagng nggccgggga ncgggaggnn ggggngccnn ggggcccgna cnggganggg      540
gagngngng gggangggan gggggggcan ccggnacngg nngggngng gggggcaggn      600
gganagaggc gngaggnccg cgggngnnng ggggaannng gangnggggg ggnccnnggg      660
ngngngggga gngagagggg ganagggggg ngagccnggg nnnncagggg gnanaggggn      720
ggngnnnagg nggcgngggg gaggagngng ggagnganaa aagnganngn cggggnnnnc      780
ggggngngng gagancagnn gggggggcng cngaaaggaa agggcggnnn agaggngcgc      840
nggggggncn ncggggaggn cnggacncnn gngggggcnn annanaagg gngggggngn      900
ggnnggannn gnggngcggg gngnncgcgg ngngnggggg gnggnggggn acncnggnag      960
ngnnngnggg ggcncagnga ggggnnacac ncncgggggg nnagnnnnnc gggcgcg      1017

```

```

<210> 4530
<211> 810
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(810)
<223> n = A,T,C or G

```

```

<400> 4530
ggaaaggggg ngnnntttct aaaggngctt ttcaaatnct tggctactcg nctctangta      60
ggatcccatc gatgcggaat tgggccacna ngnnaggnag ggnntgcang ctggngtnt      120
cactgataca ngcacgcgng tatgcaaagg aaggaaaggga gcttaatgcc angaacagat      180
nttgagttg gtgggtctc aataaangtt attttccact gaaaaaaaaa naanaaaac      240
tngggcctct agaactatag tgagtcgtat tacgtanac canacatgat aagatacatt      300
gatgagtttg gacaaaccac aactanaatg caangaaaaa aatgctttat ttgtnaaatn      360
ngtgatgcta ttgctttatt tgaaccatt ataagctgca ataaacaagt taacaacaac      420
anttgattc attttatgtt tcaggttcan ggggaggtgt gggaggtttt taaattcgcg      480
gccgcggcg ccaatgcatn gggccgggta ccagctttt gtcccttta gtgaggtta      540
aattgccgcg cttggcgtaa tcatggtcat angctgnttc ctgtgtgaaa ttggttatcc      600
cgcttcacaa ttttcacacc anccattacc gagccgggga agccataaaa gtggtnaaag      660

```

ccttggggggg	tgcctttaa	ttgaagtga	gcttaacntc	cacaatttaa	atttgccgtt	720
tgcngcttna	acttggcccc	gtttttccaa	ttcggggaaa	aaccttgtn	gtnncccaac	780
ctgcctttna	attgnaatcc	nggcennacc				810

<210> 4531
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (814)
 <223> n = A,T,C or G

<400> 4531						
ntgngggggg	gagggtctac	natnnagngg	ggctnncnt	gctctccgna	ncagnccggc	60
gngnncgaat	tcggcacgag	ccaagnaata	cctnggtaaa	tnttctaacc	tnatantgta	120
tncaggggtt	atggctcatt	tagnttgaga	gtgttaagag	actggagttt	taatccaata	180
ngngtgcctt	ttggttctca	gatatacata	caagctgtga	ttgttttagat	gtttccatct	240
ttttatata	gcatatacat	attattattg	gtgttnttta	ttttnaggaa	ctgaaagaaa	300
atggtgaatt	gctgcctatn	ctgagaggag	aaaattaata	aatcttaaac	ttggtgcccc	360
actattgtna	gaaatatcta	attacattgg	gagcagntca	tgatntagtc	ctcagaaatg	420
gactaggaat	agaaaattcc	tgctntctca	gatacatggt	ctgtgtattt	ncaatgtcgn	480
gctaaatnaa	tgtatgttac	attttttttc	ccnccanaaa	aaataannaa	aaaactcnga	540
gcctcttana	nctatagcga	gtcgtattnc	ggnacnatcc	agacatgata	agatacnn	600
gatnagtntg	gnccaaccnn	acctagaatg	caantgnaaa	aaangcctta	tttcccgnaa	660
attttnggan	cgcntnttng	cnnaatttn	ntaaccnntt	tttaannccg	ccaaattaan	720
ccnantttna	cccaacnnnn	ccnaatttgg	cnattccent	ntctnacngn	ttttccaagg	780
cttccaannn	ggtcggnaag	ntcttttnga	aant			814

<210> 4532
 <211> 782
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (782)
 <223> n = A,T,C or G

<400> 4532						
ngaagngnnn	nnnnnnngtn	ggctntctaa	tntcngcnaa	nngetggtct	actngnnntn	60
tccncantat	ccctnctaca	cgaatccngc	acgagcnatg	atgnanacg	anatnnactc	120
tngttgatgt	atatatttta	ttnacactgg	aacagctcac	ncnctcancn	tcttgccctca	180
nnacctggat	ngatnnccgg	ccncatatga	gcaacttcat	tgcagaantc	acctgtaggc	240
ctgacagcct	naaanagtn	cctttattag	anagtantnt	gncnacttct	gatctgtnat	300
ctttatgtna	agcatgtnta	ttntgnacan	catatacttn	gantnctctg	ncctacngca	360
tattctaagt	tncctangnn	tataaattgg	ngtgtccaga	ncanccnnnt	taaatttang	420
ccngttntat	taataattga	ncctagatct	nttctaattc	taaaatnaat	cnatgtattn	480
cctgacctgn	tntttattca	atctgtttat	gggaaagcat	catgcancct	ttacaaatta	540
tntnntcacc	tctncacngc	nagctttctn	nttcnnnnna	gtnnngggcta	tctgantatn	600
gtccgcaccc	cttgacnnnc	tagntntccn	ttnaattatc	nctggataca	ctgtggngcc	660
tagttaaann	nccatncctt	tcnangtgga	atngnggnaa	agcgccctnn	ggggancatg	720
gattttcaca	aagcctcgaa	ngtcccacgc	ctngacgaat	gcaaattccn	angnttgttt	780
nn						782

<210> 4533
 <211> 867
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (867)
 <223> n = A,T,C or G

<400> 4533
 nttttcnnng ttggngnnnn ngnnnggggtt tctaagtng ctaatggcgg tggctactcg 60
 ttcttncgcg acgcagnncg gngnttcgaa ttccggcacga ggtectnntn nttttnttng 120
 nngctggngg gnaactctnt attnnantgt ccggnagaag gatggnggtg ngaacanggt 180
 ggnctctgtg cnnctncag ctttctctcc ggnggggntc natgctgtcn nggncgcgac 240
 gnactgccan gnnacacann cttggcctccc gaggcangca cagcaagtgt gacgggactg 300
 gaagcnnntt ncacgacctt gnatgngctg gtcacgtcac agtcantggg tgccactcta 360
 caggctgttg gggatggntn ancaggggna cactgtgcat nactaacagn cacctgngta 420
 tgtntgcnt anatcccggt nctggnnnaa cctccngctg ntcccatgca ccacaagact 480
 gccantgtng anttgcntga ntcttntctg cnnnttttcc ancnatgana anctcctccc 540
 tgcggttcnc nggaccngtg naanantccc gaagccctt ngcatggcnt nggnttgtgg 600
 accnncccg cctttananc ggcctcncc ctanacggct tgntancccc nnttctacna 660
 tccnggctc nttcnnctt tctntcata aaccgctgc gtccttncac ngtcggnttn 720
 ctccgggnc ntcctctcn ntggggngnt tccccnccct cctcaaccct ttngncccc 780
 tggattntac ctanngtcc cttnaaatc tnnccaacg gcccctctnc ccnccgccc 840
 ngcttncnc cgttnactn acnccct 867

<210> 4534
 <211> 1038
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1038)
 <223> n = A,T,C or G

<400> 4534
 ncccccttct gtagncnnnn ccannngnc tttctaaten nggngngggc ctgganattc 60
 naaanagacn ngccgggcna nttngggggc agngngggng ggggctgnnt tgnnctnnaa 120
 antgnnngta tcagnantt cnacgntcn gancccgnc ccatantang ggccnnngan 180
 accctggcca acannngcn ccaccatgnc tnncccnc ttgacattnt nacnccnnn 240
 ctgaancnnt ccnctncc ctaccctacc accnctgct cnaantacan gcttnagnnn 300
 ctncgctag ncntgncnc cntntatcnc nanagngact aactcnnnt nnaccagnan 360
 mnnacnnc nactctgct nccatcggt nctctantc tactcnacga tacnncntn 420
 accntcatca catcattctc tccctgatnn ntnagtncc caaactacnc gccnaccag 480
 nctgtgcntt ggtnccecaa acnncnccat gncnnnaaa ntcttncnc cncnngcca 540
 ncccaccncc naaccctnac cntatttct ntctccctnc naanaaacgt taaaccncc 600
 taaaanatnc cccctatccc cnaaaancnc ntaccacctc nncggcnccc accccnccct 660
 cgnngacana anatctacct tccgncacna caaaccctc ctccantnc ncncacnacn 720
 aatntncaac tttanntcna acctnnncn tntantncc ccttccnca nccccatt 780
 tncctttcaa aantcctct anccnnaacn tctccccctc ctaactaata tctcctctt 840
 gcacantcna cntctaatc atncaccac tnnnatnca ctcttcaat ataccntttc 900
 tcttcnnaaa anttncctn tncncanatt cctntcnnnt ctaactctct cttctctctc 960
 cctnnancac ntctctctca ncgggtctatn ccacttctct ntncnctact ctctcncna 1020
 nctccaaann ccaccct 1038

<210> 4535
 <211> 932
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (932)
 <223> n = A,T,C or G

<400> 4535

tccccaaaaa	aagaatcatt	nggttttggg	aaagaatacn	nantcagnaa	ctnttcnggt	60
gtgtggtgaa	aatgtcaccg	tgtgtggnat	accctatctc	ctggctacaa	gacctgattg	120
aaaangaaca	gtgtccttac	accagtggaa	natgagtgc	tcaaagactt	tgatgaaang	180
gantntcang	agttgnatga	gctgcagaag	aagttaaata	ttaacatttc	cctggaccat	240
aagagacctt	tgattaaagt	tttngggaat	tancnttaga	tgtgatgcag	gctanagatg	300
aaattgaggg	cgatgatcaa	gagaagatnt	gattggccaa	aagaaccagg	aatcccggnc	360
cagattcgtn	ttnantgant	ttataggnat	ggcancnttn	atggacnaat	aaacacttct	420
tcatttgttt	nttaacnaaa	ntgtncnccn	ttttgaaact	cnttngggat	gccanagggg	480
aggnaaaacn	ntaagncctg	tttcccccaa	aaccngnant	anancggtnn	gtganaatat	540
ntataattgg	tngtcctttg	nnttctcttc	nngngngngc	anaaaanant	tntttggncn	600
ntgcgntgtg	ngcncctttt	cnaaaatctt	ttgattngcg	gagngngnna	nnnnctctaa	660
ntgnntttcc	gtccctttga	cncngaannt	ttgtgggnnt	ttgggggcca	ttatnataan	720
ttttttntna	gntcgggtgg	aaaaatagnt	cnccttctng	nnaaaanata	cnttccttna	780
ggntntnaaa	aaccnnaant	aagnnngcgg	ttanaaannt	gtnaannact	agagnntnnn	840
gnatncttnt	tgttntatnt	annnnnnngn	ttngncnggn	tnaaanttnn	gccnctncnn	900
attttantnt	tatntaatcc	ttntnnggan	nn			932

<210> 4536
 <211> 836
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (836)
 <223> n = A,T,C or G

<400> 4536

atacactgac	cttgcccgt	catctgcgag	atgaccctgc	aggaatacca	ctatgtccag	60
gagaaggctt	ccaagctagc	tgctgcctgg	cttactcctg	gccctctaca	tgaagaagct	120
cggtatactg	gttcccttcc	tggagcatta	cagtggctac	agtatctctg	agcttcaccc	180
cttgggtcaga	cagctgaaca	aactgctgac	tttcanttct	tacgatagtc	tcaaggctgt	240
gtattacaag	tattctcacc	cggctcttct	tgaagtcgcc	aaaatncctg	ccttggatat	300
ggtgaagctg	gaggagattt	tgaactgtga	ttgtgaggct	cacggcctgg	tactctacan	360
cagccacagg	gctaagcatg	catgttaaca	gggtatat	attctatggt	cgaatttgtc	420
ttttgatcgc	tcanattcat	tttncctttn	nttgcttttc	ccaaactgmn	aatggtataa	480
atatctatgt	ngcttggttt	tatgaaagga	aannaaattg	gcanatttga	ctncaaattt	540
aattanaaaa	ttnatgggtt	attggttaaa	aaaaaaaaaa	aaaaaaaaaa	ctcgancctt	600
tttaaaacta	taaagagggtc	gnaatanccg	gggngggcng	gacctggan	aacaaacatt	660
tnctgaagn	tnccgggcaa	accncaacgt	ngnatggcaa	tngnaaaaaa	aannccttnt	720
tttgggaaaa	nttggggang	caaatgcttt	tattgccanc	nttttnaaac	tgccaataaa	780
caagtttacc	ccccncaatn	gctttcantt	tatgttttnn	ggtcnngggg	gagggg	836

<210> 4537
 <211> 1039

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1039)
 <223> n = A,T,C or G

<400> 4537

atggnnnnnnn nnnnnntttt ttttggaaaa aaannncccc cccttttttt ncctnaaaaa	60
attgggccnt tttggggcaa aaantttngg ccctncttcn tnccttgggn tnttgnnnat	120
nccccnatt cgggnatttt nccggaaaat ttccggggcc naccggnagg ggggnattagg	180
ccctttnana nagncccaaa nggtntntta cccaaagggn tataattttt aaagnnatgg	240
gggnaccagg gtgtntngcc ccaatttagg aaagggaat tttntctnaa atnaagttgg	300
gggtntannt ggccangtgg ttacctnggg gcattnggna aatatnttct tgggaacttg	360
aggtntaaac tggaanggga gnagccctna aacctatagt aacttcannt cccacaagt	420
atactagaat tngtgcattc tgcatttata ttgcaangt ntcaaangtgc tcaactgnnac	480
acaaatagaa acaactgccaa cttgggtgtaa ctttaagctnn catttaacta aaacattntt	540
ttcttgcaaa acttattttat tcatgatcaa tttnttggtt atntattata ctttgattcc	600
taaattagtn catccttgaa tctatgaaac tgggtgcagtc attatgcccn naaatnmtct	660
naaaatatat taatgggtca ccttntctgnt caaaggggtg gtgcaanggn cttgcagcat	720
tnttacatnt tgtgctttgn tangaaaatg taaactctna ggctccacaa nttactttg	780
ctgcattttt taacaaanaa tccccaaang gatatgtaat gctcataana aatttgggac	840
anctgggttc nantggaaaa angggntctn aagggnatgg cataaacttg gtggtnccgg	900
tnanggnntt naaggccttt tccaacttta nannnnnttc tgattttgga antnttccan	960
tnggntntaa naacctnnnt tatatatcna anattagggg cctttnaaaa aaanncttat	1020
ttnggctagn aaacctnnc	1039

<210> 4538
 <211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (743)
 <223> n = A,T,C or G

<400> 4538

ctnnnctctc ttgatcctt cctnctttga anncatnngc tacttgttct ttttgcagga	60
tcccatcgat tcgaattcgg cacgaggctg acctacatca gaagctgctg gatgcagnaa	120
agtgaaaaca gacaaaaaca acacngggcg aatcttnaca ccattntggg tgccnnatnt	180
nnccnnngat atttgcttgc tnagctctac tcctccaaga nannangnnt caaacnctnc	240
agcangntag agcanntnaa gaccgcctnt nctnacctnc tnaagannct ctgngaggan	300
cgcaatcctt tngtggana tagaatcaac agaccacact gcncctctgga ccatgngctc	360
tcaaangngc tagaagggtg tgaccttttn agactcttgc agaagaggcg angtggtgng	420
anaccctnna ggaanacttt cccgaactag accncnctt ncngaacnng ntcaactggt	480
ggggnngaaa ncntgtgann tgtngncctt cngagagacg gcatattcta tgatggcnga	540
cttnatnctt ctgcggaacc anactngacn tactgaaaga aanctganac caagcgtctt	600
ccttaaggac ccttatatcc agacnactct ttggataata ccnctnggcc aaaacctnnt	660
aactntgcat acaatcngga tggcaacatt tgaactggng gccttnanna ccnttaccgg	720
cttttcncat tatgnaagag ntn	743

<210> 4539
 <211> 849
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(849)

<223> n = A,T,C or G

<400> 4539

cccncatttg	ccnnncacat	ggggnttttc	caccccgntc	acgtggtggn	cgcccanncg	60
nacnagcang	agcctacnan	tcggaacata	tcgcctttat	ngtctttaac	anaganntnn	120
ntnnntagnt	cnattcantt	atnaccacgc	agatccttaa	tnnaggcccn	tatattnctt	180
acctnattag	aactntnnnc	aaanntcaac	tgntnacct	taatgnntng	nagcacntnt	240
nacagnngna	cttaaaactn	tanaatntcn	tnagnnneng	ttattctcca	ctgaaggntc	300
ntccactgtn	caccatttca	ngcatcatca	ctatgattct	ttcancanga	ctntggcncg	360
gnttgncact	gatctntnnc	cnaatggcna	acnagctgna	tnntcnnttg	gnctcnctta	420
taggaacnan	caacactagc	ctactgnatc	atgatntccg	anaactgaac	catgaacact	480
gccatctnnc	catgntacct	gcatnaagaa	nttcacntca	ctctgaaaca	tannatgact	540
gacntgganc	tnactaattn	ctgagaactg	nnnntcaaan	naccacttta	atngggntca	600
ncatnttggn	acncttgnaa	tntaanntna	nnnaaagacc	nnnnttgant	ngccncatt	660
ttanntngn	ccataataan	ngngccacnn	ncctnaannt	cttcaancan	gnaaaagntt	720
ngcaactntt	tacnacctct	ncttccccnc	tnnatctaan	atncnnnata	taccacttan	780
cccagaatan	ctacncccaa	nccanncant	caccncccca	cnattttatc	tcacanttcc	840
ncantccct						849

<210> 4540

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(777)

<223> n = A,T,C or G

<400> 4540

gnnnnnnncnn	cnnttgggng	nttgtggggg	nttttnaatg	ttgcnaaaan	gcctggctac	60
tcgttctttc	cgcaanancc	ntcgggttcga	attcggcacg	agggagacca	tgcaaagcct	120
gaacgaccgc	ctggcctctt	acctggacag	agtgaggagc	ctggagaccg	agaaccggag	180
gctggagagc	aaaatccggg	agcacttgga	gaagaaggga	ccccagggtca	gagactggag	240
ccattacttc	aagatcatcg	aggacctgag	ggctcagatc	ttcgcaaata	ctgtggacaa	300
tgcccgcac	gttctgcaga	ttgacaatgc	ccgtcttgct	gctgatgact	ttagagtcaa	360
gtatgagaca	nagctggcca	tgcgccagtc	tgtggagaac	gacatccatg	ggctccgcaa	420
ggtcattgat	gacaccaata	tcacacgact	gcagctggag	acagagatcg	aggctctcaa	480
ggaggagctg	ctcttcatga	agaagaacca	cgaagaggaa	gtnaaaggcc	tacaagccca	540
gattgccagc	tctgggttga	ccgtggaggt	agatgcccc	aaatctcagg	acctnccaag	600
atcatggcng	acatccmggc	ccaatatgac	gagctggctc	ngaagaaccg	anaggagcta	660
gacaagtact	ggtctcagca	gatttgagga	gagcaccacc	agtggttacc	acacagtctg	720
ctgagggttg	gagctgctga	gacacgcttc	acagagcttg	ngacgtncag	tccaatc	777

<210> 4541

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (890)

<223> n = A,T,C or G

<400> 4541

anttttanc	tgaccccttc	aannangatg	aacataaagc	tcttacgttc	ttgaaaggat	60
naaacacaag	aataagatgg	ggtnccagtg	accagctcct	ctacctgggg	tcatggagga	120
ccgaagaccc	tccaaccttg	atgcctgtaa	ggacaggcgc	tnctgtaagg	gatcagggtg	180
aaagaatctg	gccatagctc	ctgtacaaaag	cctctttgtc	tgaagtaact	gggtgctctt	240
tgacggcaag	agggaacaca	acctgtccgt	ggctgcttgg	acctcaccac	gggggctcaa	300
gtggacataa	catctatttg	acaggccctg	gcantcacca	ntgggggtgtg	tgtggcagtn	360
gctgtggggg	gtgagaatga	ctgccaacag	gcacttctca	acaaatgacc	tnctgttttn	420
acattggccc	tgaaccaggg	angaaaagnag	agggaccaat	tggaagcctt	tgttnccanc	480
atttccttct	taaaaaagg	gaganacaat	tttaaaggca	cngttgttat	ggaatttggg	540
aattaaaagc	aggaggtctc	aaagggtggg	tttcttgann	tnaaaggaac	acaancccg	600
ngggggcttt	tgnngggttc	naccannag	nccttcctt	ggggcangan	ancacncaat	660
ttngtnnctt	nattgccatc	nnatttattt	gccccctttt	ttnantannt	tggtnccca	720
agaaattaaa	tnnntggtnt	tattaaattc	attttgtnng	cttntttttt	tgggtcggga	780
aagntntttg	cntananacc	cccccaaaa	gaataattga	attgggggtg	ccccttgcan	840
cctatttgat	ttnttttaan	gccctgtnaa	aaangncttc	ccanccct		890

<210> 4542

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (770)

<223> n = A,T,C or G

<400> 4542

ngggntccnt	tttngaaagg	nctctctttt	aagacccttg	ctacttgntc	ttttngcagg	60
natcccatcg	antcgaattc	ggnncgaggn	tggccaggan	ggctctnaatc	ctgancctca	120
ngaggngng	gantgagttt	nagaanngcc	tgctcgnang	agatttgggt	agaagccctc	180
atgctgagct	ttgtgtccct	ggtgatgttg	gaacattaat	gatggaacat	ggccaaactt	240
cagtcagatg	cctgaaacca	tggcttcagg	atcatgactg	acgtcatggt	ttcttccctg	300
ccagaaatga	aggttcagtt	atgaggcaac	cctctagtaa	ggcattgtaa	aagttaactg	360
atttgggttta	ataaaagtgt	aaataaagtn	anataaanatn	aaanaaaaaa	ctngagcctn	420
tanaactata	gngagtcnta	ttacntacta	tccagacatg	ataagataca	ttgatgagtt	480
ttggacaaac	cacaactaga	aatgcagtg	aaaaaangct	ttatttgtga	aatattgtga	540
tgctatttgc	cttnatttgt	acncattntt	aagctgccat	anacaagtta	tncaaccacc	600
nanttgcntt	catTTTTatg	ttttcatngt	ncatgnngga	ggnnttggtg	aggTTTTtta	660
atttcncngc	ctntngctcc	cantngnatt	ngggccccgg	ntcccnanct	tttngtcccc	720
tttacttgng	ggggtaaatg	cnccctttg	gngnnannna	tggnnctacc		770

<210> 4543

<211> 861

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (861)

<223> n = A,T,C or G

<400> 4543

tngntntnnn	naaagnngnt	ctnctctana	gntganntg	ntgntgaacc	cactntcccg	60
cannaancnn	gcgngncgaa	ttcggcacga	gcctantacn	gtagncttgg	agcatcacga	120
tttttttnna	ngcntgcatc	agtatactgg	aggacctnct	ngcnetgcng	gacanagacg	180
tccnacagaa	tnnnnaaaac	ngtgctcagg	actanannct	gaccaacacn	cgtgcacana	240
agcaaggaan	tagggcngga	nancnantnc	ngnggcntnc	agctctgncn	cgcannatnn	300
gntanctnnt	gacttanctg	ganancaatg	aaggmctna	accaaagtnc	ccangggggac	360
atnganaaat	agcacnangg	gccttgatn	ggacmntacn	cnntnccnaa	cntggntncg	420
ggngtggnac	cntgggaaaag	gagccttctg	catnnncnnn	cgcctaccc	atgancnccn	480
ctntaccang	gctntgcccc	ctgagccaan	cncgctgggt	ntgctgcnaa	ngnaanaanc	540
nanntctnca	gatattggacn	taacctgca	aatntanaaa	ncttgccaat	ttcnattttg	600
ccangatccg	ncnannccac	aatnccctct	nnaanagaat	cnccacncc	ccncnagaac	660
ctcngnaaaa	cattnnngnc	ncncctnng	nagctacaat	tnnctctcan	cctagganca	720
cncnntcgt	atgcncnccn	cttaccanc	ctantctnnt	cgnancttac	ccnnntttac	780
ccntnnggca	tttccccnnc	accnttgnat	ttanannatt	tcccttcnng	ganatgcaat	840
tctcntgngc	acccaacaac	c				861

<210> 4544

<211> 813

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (813)

<223> n = A,T,C or G

<400> 4544

tgtngtgct	taagcagatt	gctatgatgc	atgtccataa	aacagntttc	tttctgttct	60
attgtggagt	ttttctgggg	ctggaaaaca	ttcttttggt	atttccaaac	actgtctata	120
attaccagac	atgatataaa	cacataaggt	gccaaactgga	atttactcta	gaggggactt	180
tccctctcag	acttccagtc	aactcacact	tgtgcaacaa	agtgcattgt	gtcccctaaa	240
tatgcaagca	gaactgtggt	tctgcctatt	tggatcttat	agtcctctac	agtcacttct	300
agagagacta	aaccaaattt	ctaccaactt	cacagggcaa	caatcaatag	ttttatctca	360
atgactcttg	tatcttcaga	ccttaaaactg	attcagagac	catggggccc	acaaacctaa	420
tcaagagtaa	cgttttcatt	gagtacacat	ttcagacatg	agaatcttca	ctttccccctt	480
ttttctcttg	gtaaaatggt	cacaaaatgt	gcaggtaaca	cctgctgggt	actncagcca	540
ttcgggcccc	taaatctgca	gctcttcatt	ttggatctag	gtcttgagaa	tttgggaaat	600
agaaaaattt	ttatctaaaa	atgcaagtct	tttgggttat	caaactcaga	cattgaaaag	660
aaaagngcag	ttacgccttt	ctnctcnttg	aaanatgnat	tcactcnttg	gaactgggtc	720
acttttgccc	ncaagttgat	gtntattaaa	ctggatattc	cacattggac	actggatctt	780
atccctaaac	cataatgana	tatgtccaat	cnt			813

<210> 4545

<211> 960

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (960)

<223> n = A,T,C or G

<400> 4545

tgggttttca	ggngcccctt	tnanacggnn	gcggcctttc	gcctnnncgn	aanagcccgn	60
gcgattcgna	gacngcnnga	naagtgnenn	angtnncttn	ntnatgggtga	ggactttatg	120
nanctgangn	cantncnngn	cntgantatt	ntcnnnnnt	ggnaagatng	cacgtgtntt	180

ancctgatgc	cagntggngn	tatcccntnc	ncnnnttntt	nnttcacggn	gaacnnnata	240
natngannag	aatggnatca	gagaaggata	ctcactntgc	tetcacngat	tagcggcgat	300
tngcntgate	ncngctgnca	tgnaaccnt	atctctgngn	ttcangcgac	tgannngtga	360
ncaccncccn	nctagntggn	acnnatnnca	ctcctnngac	tntccngcaa	cntnttntnn	420
ctntnagngn	gtnnncngnn	ttncaccggn	nnnnccncnn	ttngnncnca	tncttttnac	480
cccnnntggc	nccacannan	ctncctttgc	cataaannct	ttntntntacc	atganngnga	540
ttncncnctt	ttngnctnna	tcncntntna	attcaatncn	tanncnntta	tccnnccntt	600
tttctntgnt	ccnttttntct	gngnantngn	ctgggaantt	ttggtntecn	cctanntnga	660
antcngcctt	aanatccctt	gggtggacnt	tgggcangnt	tcttctnngg	gaatcccttt	720
ttnatggaat	tggccttnaa	ggccnnttgg	tcttccctgg	caaccntngg	ggtnggccnt	780
aaaatgggcc	cctnaanttn	tttanaatnc	nnccnnantt	actntttttn	ncctccaacc	840
mntttacccg	gttgggctct	taacccccag	gntgggaatt	tcaaaatttt	taaggnttcc	900
ccatttnttg	gaaaacctta	ntttngggac	ccccatttn	gggctnccna	ttttnggaat	960

<210> 4546

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (816)

<223> n = A,T,C or G

<400> 4546

tntnttggga	aaagggcagt	gtctctaaac	ccaggcaaac	ggtaaatgtg	gggcatanca	60
agagggccgg	gtagtggcca	cttncccatc	atgctcgntt	ctcattttgt	gttttttagt	120
agaaaaacac	agggtgttct	tttgcccaga	cattaatctt	tagaatgcct	gtnttttcta	180
atgttgggat	ttctttcaca	accaccacc	ttaatatctt	cattgngact	caganaatca	240
gacttcattc	gattctntag	agaactataa	atactgttgt	cagtagaagt	gaantcttgc	300
ttatgtaatc	ctaattcaga	atgtgttctc	agaagaggta	ggcnnggacc	ananctgggc	360
nagaccacag	gcagaggcca	aatccnnccc	cctgccgnta	gnagctaata	tnagttttac	420
accacttgt	tcatgtattt	tccctggcta	cttgtgggca	gcaatgccag	agtcaagtca	480
tcataacaga	nacagaatgg	cctggaagct	ggatttacta	tttcaacttt	tacattaaaa	540
cttgatgacc	cctgtgctag	acaggcagct	catttctgcn	ggtaaaatta	tatttcattc	600
tccaactttt	catttccaaa	atttgaacct	atattactgg	aggcccctta	cnnaagntaa	660
anttttcatt	nttcttttgg	ggggaaannc	tncagaaaaa	nccctnngcc	cntttaaaaa	720
cttnnatgng	ggtnnnttac	ccntgtccca	cnetggaagg	tccntngggg	nttngggcaa	780
ancccccacna	nnngtgcccn	gaaaaaatgc	tttttt			816

<210> 4547

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (785)

<223> n = A,T,C or G

<400> 4547

taggagtctg	aaggcctcgc	tgctttctgt	gatggctttg	cagtaagtgc	cgctggcct	60
gcattgcattg	gctaacaggc	tgcagaatgg	cacngaagga	ctcgtcgcag	attgtcatgg	120
ccagagatca	taggtcactt	naggtagcaa	gaccctgnc	aaactgggca	cttggcctat	180
gtactgattt	gtgggatggg	ggcaggggtg	tggggtcctt	caccctgcct	gaattctctt	240
tggcttctgt	gctctgtatg	ctgctgtccc	caagggtctt	ttcttattat	ggcagngagt	300

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ggggattggt cctactttct ttctctggaa anggaaagcc tccaagactc catgtgcttg 360
ggcagcttga gaaggcggtc ancaccacgc ctagcaggca gaccttgaag cctcaccttt 420
antntatctg caagaggtat tcanttcctg gcacaaggga ctaggggcat gtanagtata 480
tgacgaggca atatggctgt gcnggacctt catttaactt caattaatag ggaaaaatta 540
ttatactcta tagatcctga aagggttcta agattaaaan catccttatt aaaatcttct 600
aaanaantct ggaaagaaac acctaactta naaaaggctt gttnaaaaan ccacagngat 660
gggttnttaa gaagcaaacn ccncagcatt tccatttaag taaaaactaa ccaaggcagc 720
ttttatttaa gaagngtccg gccttctaac cctgcacaag ccnatgagga catatggaaa 780
atattt 785

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<210> 4548

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (734)

<223> n = A,T,C or G

<400> 4548

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gngcagctct tgttcttana gncaggctac ttgttctttt tgcaggatcc catcgattcg 60
aattcgcccc nagctgtgng ggacacattc nnactgcggc aggacntgtn tgctgnctna 120
tcacnttgac ttgtaatagc attaatnntc aagcgattga tntatnataa nngncattct 180
agcatngtnc atggcngann ncntcctggg anatgntaac ggtcttgcn nctgatncct 240
ctatctgnac tgggtctctg gcangggcct gatgnatngt anatactcgn tangtatcnn 300
ttnggtntc nggggntctn tcatgnnngn natnnnagca cccangaggc actacactnn 360
caagaaaaaa tgggtngnctn ntacngagct gtnaagaacn ntggaaacntg ctatcctgan 420
gccnctnaac ttcacatcatg gatgcctanc ttgtatnnat gttncnttnt gnntaacccc 480
atgatctgan tntggacact aagancnntg tcatnggctg agngggctnt gaagngnact 540
cntaattatg acnctgggat ntaaacgggtg ctcacattgt cttgnanggn antttttcaa 600
aaanggattt ncgccttttg gncccntggg aatttaatag gcaanaagtt ttggccntaa 660
ttgccanang anganancct ggantgctaa ngaacggcnc tnttgccctn nggatggnc 720
cctaacttna aggg 734

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<210> 4549

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (621)

<223> n = A,T,C or G

<400> 4549

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ananatgect gtcnagncnn caaaggaagg ttgtnnecgt ttacgcctat tgggtggaaaa 120
aancccnttn tngaaggctc atcctcaaan ngcnntngc gttcncccgat ctggccggtt 180
atncaccnct ggnnaagagg ganttnattn naccgctct tttttanaag annnnaaagg 240
ttcngcatnn tggggcnnnn gnnacactg gctttgaana gcnanagctg agtgacatcc 300
accagatnc aaaatggtna catgtcaact gtggccgaaa acngggccgc actgncccat 360
ccgctcttcn ggagnttgtn ggccctttat ncgcacnaaa ttgcagcctg ccggatactg 420
tattcacaca ggctntgagg ggggagggat tgtnttcaga atgcattaag cgcnttnaat 480
agcctgcntc ngttgctttg tcaantggc ttnacatgaa tgcccgtccc ctgaatatcn 540
ngtaatcatc tatcnmacct gggatcgcaa nncgttaaaa canaagggca agtgacggng 600

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gtcgtactgn gnaagagctc c

621

<210> 4550

<211> 971

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(971)

<223> n = A,T,C or G

<400> 4550

nccncttntn	tntagggngn	tngtgggggt	tttcnaatnt	nngctaagtc	tgggctcntg	60
nnctttntgc	aggtatccca	tcgattcgag	ngatgcactg	ngantacacg	cnctaaaaat	120
cgcagtcctg	gccanaagac	gttatggmca	ttgtgaggga	ctgggggnnt	tggtectntt	180
tnaggggctg	tnnggactca	aatcggtgnc	tggtttcaca	catatgtgtt	ggtttggtgt	240
ncaacttctt	tatctganaa	cnccagtgat	aaancattga	tgntactgac	caatctaaac	300
taccatcttg	anagagtngc	anctgaaant	gatgcgatag	gcgtgncaag	tatctgatna	360
cttctttnan	gcatacgnaa	naantgtatg	ccngttacnc	ttgnangata	cctntgctnt	420
nacaggntca	gtatntatca	gtnngnacac	aaacacatga	acacattcng	atanggctta	480
tttcacacag	ttgaagttga	tgatcntccc	ctggagtgtc	ctgntanata	tgncncngcc	540
tntangggna	aaanaacccc	acactgcttc	tntgaccacc	ccnagcntnt	ntnncmntan	600
taatatttcn	tncannngng	naacgtnnnc	naccgcctnn	aatncctnnc	cntcgnaggn	660
naaaaaccca	nttnaananc	gncattnnnt	tgcactcccc	ctcnnnnact	caactnaccn	720
acactgggcn	caannccctn	gnnncacaac	cnctttntnt	tntctcacng	ggaatcggca	780
atnctgcact	ttcctatccc	tggncttaaa	aaanattana	tctccggnet	ctatcnnttg	840
taagntcacn	antctcctc	nntancaaen	cnanacnnnc	annttttnnc	aaatccttcn	900
tnncnccnca	nnncnnggng	cacantntnn	cngtgncnna	actcntnggg	gcnnatntnt	960
cnncnccnctn	t					971

<210> 4551

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(791)

<223> n = A,T,C or G

<400> 4551

tttgaaaacc	cnctttnttt	naatcctttt	ctttcaaagt	gttctngttc	tttttgagg	60
atcccatcga	ttcgccaatg	gatgcaggna	aaactgagat	gggatttccc	cacgttgccc	120
aggctgggtc	cctgagctca	aagcaatcca	gattgctggg	attacagctg	tgagccaccg	180
tgcttggtg	agatgacttt	taaaaaaga	cttctctaaa	gtagaaggaa	gggtggaatt	240
gtatgcacaa	gaagaaaaaa	acctggaaga	aaaacatact	aaagaggctg	gagtgcattg	300
gcgcgatctt	ggctcacgcg	aacctccgcc	tcccgggttc	aagtattctc	cctgcctcag	360
cctcccagg	agctgggatt	acaagcatgg	gccaccaanc	ctggctaatt	ttgtattttt	420
agtagagacg	gagtttctcc	atgttggtca	ggctgggtct	gaactaccga	cctcaggtga	480
tccaccaccc	tcggcctccc	acagtgtctg	gattacaagc	atgagccacc	gcgcccggcc	540
tnctgtgtcc	agttttctat	aatctgttca	tattatatte	tggttatatg	tggtgtgtgt	600
gattatccat	gtggtcttat	tttcacattc	tttgcatata	ctataatgtc	ttaatgnttt	660
aagataaagt	ttcattctac	aaagatgtat	tgtaccaata	acctgggtat	tcaggttacc	720
aatcttaaaa	aaaacttant	tcatttttna	aattaaacnt	taaaaattnc	caattccatt	780
tnaacattaa	n					791

<210> 4552
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(761)
 <223> n = A,T,C or G

<400> 4552
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 gaggttgccg cactgcactc cagcctgggt gaccgagtaa gactgtctca aaaaaaaaaa 180
 aaaaagaaaa gaaattgtcc tttgggtgcc ttagttccag agttgaatga atgtacacat 240
 tcngtagtgg ggggggcaga cgggataccc ctctcttgct tggttccttt gaaaaggac 300
 ctccaccttt caaaggtact taaagccatc ttttacagat tgcttgtaat gtaaggga 360
 agaagtcatt gtnccttggg attggattgg agggnaaaat catcaaccac tagccccctt 420
 ttcaaaatca gcgaagatat ttngatgatt aagtgttca ttgggtatgt tctggctact 480
 gatgttactg aaatctgcaa tcngtatgn tttttaatta gttgcttttg tatttgaatt 540
 tatgacattt cgaagtttct gngcttaact ctttttaatt aattttctgc acgtngcttt 600
 tttctcttgg gttttaattc catacagagt attcaattct tgaaaacaca ttaaaaaataa 660
 tttgcttgca aaaaaaaaaa aaaaaaaaaa ctcgaacctt tanaactata gtgagtcgtn 720
 ttaccgtana tcccagaccn tngtaaaatt aaaaaaaaaa t 761

<210> 4553
 <211> 1281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1281)
 <223> n = A,T,C or G

<400> 4553
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 cggncatttg gcccccttg gcccagggg nttncggga aaccttcct ttaggnnnng 120
 ggggaaatcc cccccgggg gnggtttta ccccgga aaaccttcg gnaaaaattt 180
 tccgaccccc nttaatnaag nttnttttt ttctnttttn ttaacaaaa ttttcnact 240
 tggggncccg gttccggttt ttttaaacna aaacgntcc gggnggaact tgggggaaaa 300
 aaaccccntn gggnggttta ccccaactt taaaatnggn ccttnggcaa gcaacaattc 360
 cccttttcng ccagcttggg cggtaaaaa cgaaaaaggc ccgnanccga atcgctttc 420
 caaacagtgg ccaancctng aatgggaaan ggnccccc tgtaccngna ccataancg 480
 ncgggggtgg tgggggtaac ccccaaccgt gaacngtta nntggcaagc ggccctang 540
 ccggttcctt tcngtttctt tcttccctt tttcggcaac gntanccgc ntttcccnt 600
 caagnattta aatcgggggc tccntttang ggttcnga atagtggtt taacnggcaa 660
 cctcgaacc caaaaaactt ggatttang gnggaatgg gttcaacgt aantggggc 720
 caatcggncc cttggaataa gaacggggt ttttngggc ctttttgaa cggnttngg 780
 gaaagtncct aacgggtaac ctttttaaaa taaagtnggg gaaccttcct ttgggtttt 840
 ccaaaaacct tgggnaaac naaaccaacn tttnaaancc ccttaatcn tttggggggn 900
 ccttaatttc nttttttggg naaattttna aaatnaaaaa gggggggaaa attttttgg 960
 gnccccgnaa aatttttccn ggggnccct naaatttgg ggggggttaa aaaaaaaaaa 1020
 aaatgggnaa agnccctggg aaanttttt aaaaaccnaa aaaaaaaaaa attnttgaaa 1080
 aaccggcccc ggaaaaant ttttttnaaa aaccccaaaa aaaaaattng gtttttnaaa 1140
 acccgggccc tttttaaac naaaaatttt tttccccc n gggaaangn cccngggggn 1200

aaaaatTTTT tttttnnatt tcncccccTT ttttnaaaaa aaaaaaaggG ggggggnccc 1260
 ccccanaaaa aaantTTTT t 1281

<210> 4554

<211> 916

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(916)

<223> n = A,T,C or G

<400> 4554

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tatgaagtgc gtgctggggt ttgctatcgt atccacaggc atcacggcag tgctgctcgc	120
cttgattttt gttctcagaa agagaataaa attgacagtt ganttttnc aatcacaaat	180
aaagccatca gcagggctcc cttnctgctg taccaccccn gngaaaattn gccaccctaa	240
ttttnttctg gntcctttgg nnggntgncn gctgacctg ggaactgaag ganctgccca	300
tnntatgnan ggcgnccaag tgggaatata acccctttnc ggcattcggg ccatgtggcc	360
gtacnnttaa tttggcctca atctggacta gngaaattat ccttggcgng ccaacaaaat	420
gactataact tggggcagtn ggtnccttgg tcntttcaac canaagtnaa aaattaatcc	480
tccggaatca atcccatcct ttccgggct ctctccaat tcttntttct ttntaaccat	540
caaaggggaa ccatttgtgg aaaangggnc aatttttnaa ncctcttggg gggggaggga	600
tttccgaaga aatcaattgg gcaatggtta ccattgccna aaaacgccan cttggnaaaa	660
gnaaacaag caattggntg gccanttgn tccccaangg taaccttgg ttttccccga	720
atggcctggc cttaccttgg nttgggattt cttngggng gtcccttgg aacccaaaaa	780
aaacccctng ggnttcccaa tttnttnnaa acccccgna aattggcccn ttntttaccc	840
tttacaaaa cctnggggtt ttttttnnaa aatggggggg ggggggaaan ccccccaaa	900
aaaggggna aaaant	916

<210> 4555

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(791)

<223> n = A,T,C or G

<400> 4555

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gaattcggca cgagacctga gctagggttg cagcagaaat tgagttgcag cttgcccttg	120
tccagacctt tttctgctt gcgtttttga aacaggaggt gcacgtacca cccaattatc	180
tatggcagca tgcattgata ggccgaacta ttatcagctc tgatgtttca gagagaagac	240
ctcagaaacc gaaagaaaac caccaccctc ctattgtgtc tgaagtttca cgtgtgttta	300
tgaatctaa tgggaaatgg atcacacgat ttctttaagg gaattaaaaa aaataaaaga	360
attacggctt ttacagcaac aatacgatta tcttatagga aaaaaaaat cattgtaaag	420
tatcaagaca atacagtaaa atgaaaaggc tgttaaagta gatgacatca tgtgttagcc	480
tgttcctaat cccctagaat tgtaatgtgt gggataataa ttanttttta ttattctctt	540
aaaaatcaaa gatgatctct atcactttgc cacctgtttg atgtgcantg gaaactggtt	600
aagccagttg ttcatacttc gtttacaat tattaagata ncttntttan ggatanttt	660
ggtaccatat ttgtgaaaat tttttgnaaa atgccttgnt aatgnggntt ttnaccncn	720
cnaagttatt ttgtttgcaa aacttnaatg gnccatttct cctttaanaa tnggtttnc	780
ccntattttn t	791

<210> 4556
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (779)
 <223> n = A,T,C or G

<400> 4556

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aatcnccttg	gtaccnnttn	cnttttgntg	gatccaaant	gnaaaccgat	gtntgntacc	180
ngnccnnatg	gtnttaacac	tttttaaant	gananacatt	ggatcttaaa	accctaagct	240
attgcacanc	ngcatttcac	mnccgacgaa	gcccgggtatc	ccctanacgn	tggggcactt	300
tccntaaatt	gaagntgnca	atnntatgcc	ggnntcnaga	tataangtgc	acncccaaaa	360
acgctttcng	ncttgtaaac	tcaacngcat	agttangcnn	gnncntgncc	gcncacatg	420
gtgaaacatt	ttnccttnacc	aagantaaat	gnccanggtg	cntnttaggn	acacttactt	480
tctccggnac	atccaattaa	cgntatttgc	ccgntgctgt	gcctgggnag	tttttatattt	540
atttatttgg	ggttgnaaaa	gcagnancag	agggagctca	atctngtttg	aaaccnacgn	600
agtgcctncca	ttgatacgta	natnaatnaa	ccgccnggng	gnntttttct	tttttttggn	660
cctggaaaat	gctgatnccc	tttgacaana	aagggnananc	ccccctagcc	nactaanngt	720
cnccccattn	tttngggaaa	naagggggat	aaanaacttc	ccccccnngg	nggggagct	779

<210> 4557
 <211> 1259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1259)
 <223> n = A,T,C or G

<400> 4557

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ttntttgngn	ggcaggagca	gggaanaggg	gggggggggn	atnangngcg	gncnaaccgg	180
ggaggaggng	gggggnggca	ggncgnacga	cngacganag	ngggcnanna	gnnnnggccc	240
gcagnagnag	gangnggatn	agnggncgg	ncgtgnnnng	gagnggacgc	gngcngantg	300
gacgatggag	gccnnagncc	agaggcngnn	gnnagnnagg	ggnnatgang	cgcgacgann	360
gagcacnggn	gcnnaggcng	cgngccgna	ngngcgggga	gaagcggngn	gagacnnnag	420
gcggnnccan	gnganngng	gaaacagngg	nnngnngagn	gcgggnancg	gatgnnccgg	480
nnggannggg	nanggggnca	ggcgnnnagn	nnagcgaggg	ngnngngagn	gnaggaggga	540
nnaagcgcgg	ngggncaaag	acngggacga	ngatntagn	ngggggagga	gggannccgc	600
nnacggnnac	gngtncgagn	aaaangacga	gggntngngc	ngtngggagc	ggcgagggnc	660
naataggaga	angggntaa	ggngngcaga	cnncnanngn	naggnnanga	cnaancagn	720
nngtgnecat	gcaganggnc	gncangnggg	ncgggggcan	cagagacgcg	atgagnggnn	780
anagancggg	gacagggggg	ggangcaaac	gcgggngagc	annccagncc	ngnngggggg	840
antngngnnc	nggttnaggag	nganngann	nngcatgagn	ataggnnnng	ganagnngag	900
nnngggggaa	agggaccnta	acnnngngnn	gngcgngncn	acngggcngn	ggggganccc	960
anggnnnccn	ggagncaaag	nngnncngna	ncngggggng	cnagntnggg	ngggngtngn	1020
ngcgatnag	ggnnccggcc	ggngncggnn	gcngnatcng	aacggacagg	cgcnnganna	1080
ggngggcgcn	agangngntg	gagngncacn	gcggngggna	ncngngngnc	angatggcga	1140
ggggacgggt	cgcgggngctg	acgganagag	gcngcnacgn	nngaggcgtg	aaagaantgn	1200

nggncgnggg acnnncnanga gcaanggcag gagggcncgg cgngcggnng cngnggccg 1259

<210> 4558
 <211> 807
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(807)
 <223> n = A,T,C or G

<400> 4558
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 aaagagatct gacctaacca actttntctt gccttaactt ccaaactgcc cttagtcatt 120
 gatggggcat gggccaacnn cnatngggan anatctttnt tcntcntgna atnatactcc 180
 cctttccaaa actaaatgtc cttgangnna taacggaang cctcccatng ggtgnacaac 240
 cggngcggna antgggctcn cnetgtggca tagcanaang ntccccggnc gtngtggtgn 300
 acgntcnann tatcegcnan actcgccatt gcnctagcgn cnnnactttt ctttttatnn 360
 nctaacattn tccttncggg aangcggttt tncggcctt aagctnttaa ggatggangg 420
 ggttnggttt cegnnctnna cncataaaa ctctnttaac tncaacacng tncnccgtng 480
 ggacccctc ccantaagn ggggactgnt tcacagnan ggaccnttt tttncnmcn 540
 ncctaatnga ttttncccc accttaatac agttaggaac cccttttctt tattccatac 600
 aagaactttt ttttaaaaaa acttggganc ctcttatcta cgccttgggn gggtcacatc 660
 ttgtnaatcc ccaacatttn ggggaggcta nngncgggaa atatncctta agcttcaaga 720
 gttcaagacc agcctgggga aacacttga aaccgcttct ntncctttac aatttctga 780
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<210> 4559
 <211> 1070
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1070)
 <223> n = A,T,C or G

<400> 4559
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 aacttgaaaa tggaggtatg gcttataatt cagctgtgct gaactgtaag tgattaaata 120
 ctgtttcatc acatatacac atatataac ttatgtgggt atataggtcc tggctctatt 180
 gacttaagga ttttaagtgg tggattggc catatnctgt gggggggaaa gctnagaacc 240
 tcaatannct taatnaaata ggtggctatc atcngttcat ttaactcaag cccagaaaca 300
 ccaaagaagt caccctcaat ttcttccgc anccccacaa tttnaatcta atcgccatt 360
 ttctttaaca nggttcccat ttttcccaa aaatatnaac caatggaggt cccatcctaa 420
 tttntgggn ttcttaacaa gtccantcaa cccntaagg cnttaaagnc caccttacct 480
 ttcaagttag gccctcttn cccaatttaa gggcctttaa gtttcaact tcccaagccc 540
 cccttccctt tecnaagtng gttggnantt cnacnaccaa gatncccttg gccaaaggggt 600
 aaggttccaa ttttangaaa aaaccaatta naccttnaa gggccccctt gggtccaaat 660
 ttggccttct tggcntttna aaaaaaattt ttgggtgggg gngggggcnt tttcccccaa 720
 ttccaattgg ccctttaang aaaaatnaaa aaaaatccct nggccttttt tcnnantttt 780
 attttttaaa aaaanccaat tgggggcttt ttgggggng ggcctttttt aaccaaccaa 840
 aantttttta agttcccttc cccatttaatt tcccctcntt ttttcnttaa gccccctggn 900
 attccttgga aaaggggcca cccatttcc ccaaagggtt tttantngtn ggaacaaaa 960
 aaaccaagcc aggtnggaaa accattgggg ggggggggtt anttgnaaaa ccnccttacc 1020

cgggagggggg aaaaaccccc aaaaaccccc cccntttttt tttngggccc

1070

<210> 4560

<211> 1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1321)

<223> n = A,T,C or G

<400> 4560

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gcactgcaca	gcatttgc	at	tttcagatg	agtatcatct	gggaaaatct	gtctcaagat	120
ctggccctcc	cacggganta	tg	ttggaagt	aa	ccaagcct	tgcccttaga	180
aaaatatttt	tgggtggatg	gggtgg	ggg	aaaaattct	tgccaaaaaa	gaaaggggtg	240
atccctggga	aaccaattat	ttcttcttc	aagggggaaa	gggaagcctt	ggcctgggtg		300
ttttttnggg	aatgggtgga	aaaagaacca	aaaaaccta	tttgaaaagc	cattgggtg		360
aatggaaaaa	ggtttcctta	ggaaaaaaa	ccattggaa	aaantttcca	agccccccct		420
tanttgaaaa	aattccgcca	nccttggggt	taccancct	tggggggaaa	aaaaattgga		480
aaaagaaaaa	ccttttnaaa	cccttanccc	atttaaaaaa	aaaaatttag	gnaangggg		540
gaanccaagg	tnccaaaaa	aaaaccnttt	tccaaccaa	gggggggggg	ggggaaaaaa		600
aattcccaa	aggtttttna	aaaaaatttt	nccaaanaaa	ggcccttttg	gggaantttt		660
ttaaaggaaa	tggggaattg	gnccccccat	tttttcttt	aaagnaaagn	aaaaaggnnt		720
ttttngggcc	ttttttttcc	tttnccccna	aaattggg	nttccttta	nttggccccc		780
ctttttttcc	tttgggttaa	aaaaaaaacc	cttggggg	caaaantttt	tttggggggg		840
gaaaaaggcc	caatttccaa	ccnttggggg	naattaaaaa	aaatttttta	aattttgggn		900
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tttnaaaaaa	aaagnccttg	ggggggaaaa	ggaaaaaagg	gttggnaaaa	aaccttantt		1020
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ggaaaacctt	cntttttg	cttctttaa	agggccncc	cccgttantt	aaaaancctt		1140
tgagggttt	tccaaaacct	tttcccttg	gaattnaccc	tcccctggaa	ttttcttac		1200
cctggggggn	accaagnaaa	aaaaaaaaanc	ccttgggnaa	nggggncctt	tttnccccna		1260
attaaaaaac	cggnggggtc	caaaatttcc	ccntttttt	ttaaaaacnc	ccccccccc		1320
t							1321

<210> 4561

<211> 1253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1253)

<223> n = A,T,C or G

<400> 4561

tttntacat	acttgcttnn	tacatcncag	cactttgggn	ncttttctct	ccgagtcnga		60
ccgtgtgtgt	gtgtgtgtgc	gcgcgcgcgg	cggtctgann	cttcggtctt	tggtccggac		120
ccggnctccg	ccgcagccag	cccacatgtc	ggngatcaa	agaaagcaaa	aaagacgggt		180
atggctttcc	aaggccgccc	ggcttttccc	tccncccg	ccaaccnca	acttggnacc		240
ggcncctcc	tacccccncc	caaaccccc	ccccaaaatt	ttccccncc	nggcccaacc		300
tttngggggg	ttccccccna	accccccttt	tcccccccg	gggttaaang	ggggggggnc		360
ccgtttccag	gggggnaagg	ggnaaagg	aaagcttaaa	aaaaaaaaag	tttggggggg		420
ggnccaaacc	gggggaagg	ggggggaaaa	agccccaaaa	ggcaaangaa	aaaaaaggaa		480

```

agggggccnt tccnttgggt ggggttgggg gaaaaaattt tcccccccc gggggggngc 540
ccaaagattc ccccnttttn ggcccccccc ccggcccaaa tgcccccccc cntttttttt 600
tccccaancc cccccccggg ccgggaaacn ttttttttgg gggggaaaaa ttncctttgg 660
ccggnccntt tccccttttg ggggggnggg ttaccngccn ccggaccggc cccccccggn 720
ccggaaaaaa aagaaacccc ttttcccccc ggaaagmcct tttcntttna aaaagggtng 780
gggggtttnc ccnngggaaa ttcnttattt aaattcccca aagggnaacc ccaaaggggg 840
gaaccaangg gnaaaaaatt cccccccctt tttttntttt ttncceccaa aaanaaaacc 900
nttttttttt nccaaaaaac cccccggccc cttttntttc cttttcctgg ttttaangggg 960
tnccttncgg ggaaaaaccna aaaaattccg aaagnccttg aacnttcccc ccggttttcc 1020
ttggcccaaa aggttccttg gggtaacccc ttgggggggg nttttttggt ttntttnttn 1080
ggggnaaaaa cttttccctt ttgggggaaa gtngggggnc cnttttnaaa ttggaacccg 1140
ggaccttttt tccntttttg naagggnaaa aaacttgcc aaantttnt ttcaaaaaaa 1200
accnaaaaaa cctttggggg nnaaaaaaan ggggggggga aaaaaaaaa ana 1253

```

<210> 4562

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 4562

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tataattaan ttgnannccn ttnaactctt gttctttttg caggatccca tcgattcgaa 60
ttcggcacga ggtgaccctt cctgcccttc ttgagcagct tgtganccan aagatgtgcc 120
tggaagagaaa gcctcatttg ggggaagtgc gnattcgaaag ttctttattt tgaaaatgga 180
naacaaccct tctnacaat cctgtctgcc ctccccctt tncaactaga atatcanntc 240
cnetgaacat gaagtatnc acatttcatt gaaaactggn tgatgntnaa naaatcactt 300
ganggcaaac tttgtccttc angtgtggn tctctgaatn gtagagccng canatcctcc 360
antgtatgga ctgngcctta cttgccctt gaattgcttc tatacatnaa nacttganc 420
tctttacaga tgacantnnc cagtgnaggaa gataaaaagan nagaaaagac cnaaantgcg 480
ggnttgccac tcttttttgc catcacctg gggactgcaa angccaatgt tggngctggc 540
aaaaagccga angantaaag gtgctgnant gatgttagct gtgnccactg nggatttttc 600
caanaacatt tntanctata aanttcaaag naaaaanaaaa aaananactc gaggcctntt 660
aaaactatat tnaagtcntt tacctnatnc anacttgata anatacattg atgantttgg 720
gcaaacccac aactagaaat tttccaana ggggggggna 760

```

<210> 4563

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(890)

<223> n = A,T,C or G

<400> 4563

```

tttttnnntt taaantttgn aaaattnntt ttttttacca ncccccttac tccnggtttc 60
cttttttttt nggccanggg naatcccccc natnccggaa tttncggaa aattttcccg 120
gtttgggcnt nggtccggca tatataaaaa ccagnngag nccccnact atggannttn 180
tnccctngaa tataaaaaa acaatccggn ggggggaacg gaagnagcnt ggcaattngg 240
natcgtaata aaaatacggg antcttgaag ccccatggga tggtcncaan gggctggtgt 300
ggaagaacct tanttnagca agaacccta aaanggggca canaaccttt gnaaaggana 360

```

```

aggangttnt nttnncaaa aaaaaaccca nactttggat gggcaaactt tnaaataang      420
ggatgaacaa tggncacagg cccaccctg ggcttaaatt ancaaaacnt tggcctntgn      480
aaagncccng ttnccttgg gggttctct tttccttcna tttntggaac ccannacttg      540
atgtcnttnc aatcgnaact ggtttaatgg ccnattcct acaaccgcna aaacttggtt      600
cctngaantg tantctgcng nnaaaaaaac ncctccnna tgaantggcc anaaangtan      660
tgatcataca caaananaca ccttnaaatt ntaaccatga acgcgattat attatgnana      720
ganntcnttc ggnnganatt atgtnaggga gccagantnc tcatgctnng aatagnacc      780
nacaaaacnt gntcgaggga cttattgana ttaatatgga agatacanng ttcntntacc      840
anganntggc cacanagaac aatcnatnga ccgaaaaatc cgggnggggn      890

```

<210> 4564

<211> 791

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (791)

<223> n = A,T,C or G

<400> 4564

```

tttgaaaacc cntttntttt naatccctttt ctttcaaagt gttctngttc tttttgcagg      60
atcccatcga ttcgccaatg gatgcaggna aaactgagat gggatttccc cacgttgccc      120
aggtggtct cctgagctca aagcaatcca gattgctggg attacagctg tgagccaccg      180
tgcttggtc agatgacttt taaaaaaaga cttctctaaa gtagaaggaa ggggtggaatt      240
gtatgcacaa gaagaaaaaa acctggaaga aaaacatact aaagaggctg gagtgcattg      300
gcgcgatctt ggctcaccgc aacctccgcc tcccgggttc aagtgattct cctgcctcag      360
cctcccaggt agctgggatt acaagcatgg gccaccacnc ctggctaatt ttgtattttt      420
agtagagacg gattttctcc atgttggtca ggctggtctc gaactaccga cctcaggtga      480
tccaccacc tcggcctccc acagtgtctg gattacaagc atgagccacc gcgcccgcc      540
tncctgttcc agttttctat aatctgttca tattatattc tgggtatatg tgggtggtgt      600
gattatccat gtggtcttat ttcacattc tttgcattaa ctataatgtc ttaatgnntt      660
aagataaagt ttcattctac aaagatgtat tgtaccaata acctgggtat tcaggttacc      720
aatcttaaaa aaaacttant tcattttnaa aattaaacnt taaaatttnc caattccatt      780
tnaacattaa n                                     791

```

<210> 4565

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 4565

```

ttcatttaat cttncctttt ggatctntnt gcaggatccc atcgattcgt aattatannc      60
cctggagtta tgcagctaata taaagggtcaa acgcataact ttaaagacgc cttttcagga      120
agagattcaa gtnttacgcg ggtgccactg gctttttatt atggaatgta tgcatatgct      180
ggctggtntt acctnaacta tgttactgaa gaagtagaaa acctgaaaa aaccattccc      240
cttgcnntat gtatatccat ggccattgtc accattggct atgtgctgac aaatgtgggc      300
tactttacga ccattaatgc tgaggagctg ctgntttcaa atgcanntgg cagtgcctt      360
ttctgagcgg ctactgggaa atttctcatt agcagatccg atctttgttg ccctntcctg      420
cttgggtccc atnaacnggg gtgtgtgcng ctgtctccag gttattctat gttgcctct      480
ctgagagggt naccttccan aaatnctctc catgattcat gtccgcaagc acactnctct      540

```

acantggtn	tgtttgcacc	ctttgacaat	gataatgctc	ttntttggga	gacctcgaca	600
gtcttttnaa	tttactcaag	gttgccaggt	ggctttttat	tgggctggca	attgctgggc	660
ttgatttate	ttngatncaa	atgccnanat	atgcatcggt	ccctttcaaa	ggtgcccctg	720
ttcatccac	ttttnttttg	ncttnntttt	tttnnnnnnn	t		761

<210> 4566

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 4566

gnttttnaat	ttccttttnc	ttctaatacct	ttgcttncac	nttggtctctt	gttcttttttg	60
caggnatccc	atcgattcgc	caatggatgc	agggaaaact	gagatgggat	ttncccacgt	120
tgcccaggct	ggctctcctga	gctcaaagca	atccagattg	ctgggattac	agctgtgagc	180
caccgtgcct	ggctgagatg	acttttaaaa	aaagacttct	ctaaagtaga	aggaaggggtg	240
gaattgtatg	cacaagaaga	aaaaaacctg	gaagaaaaac	atactaaaga	ggctggagtg	300
caatggcgcg	atcttggctc	accgcaacct	ccgcctcccg	ggttcaagtg	attctcctgc	360
ctcagcctcc	caggtagctg	ggattacaag	catgggccac	cacgcctggc	taattttgta	420
tttttagtag	agacggagtt	tctccatggt	ggtcaggctg	gtctcgaact	accgacctca	480
ggtgatccac	ccacctcggc	ctnccacagt	gctgggatta	caagcatgag	ccaccgcgcc	540
cggcctccct	gttcagtttt	ctataatctg	ntcatattat	attctgggta	tatgtgggtg	600
gtgtgattat	ccatgtgggc	ttattttcac	attctttgca	ttactataa	tgtacttaat	660
ggttttaaga	taaagttcat	tctacaaaga	tgtatgtnca	atacctggtt	tcaggtaaca	720
atctttaaaa	aaaacttaat	tcatttttaa	aataaacatt	aaaattncca	ntccaattta	780
aacatnt						787

<210> 4567

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 4567

gnttttnaat	ttccttttnc	ttctaatacct	ttgcttncac	nttggtctctt	gttcttttttg	60
caggnatccc	atcgattcgc	caatggatgc	agggaaaact	gagatgggat	ttncccacgt	120
tgcccaggct	ggctctcctga	gctcaaagca	atccagattg	ctgggattac	agctgtgagc	180
caccgtgcct	ggctgagatg	acttttaaaa	aaagacttct	ctaaagtaga	aggaaggggtg	240
gaattgtatg	cacaagaaga	aaaaaacctg	gaagaaaaac	atactaaaga	ggctggagtg	300
caatggcgcg	atcttggctc	accgcaacct	ccgcctcccg	ggttcaagtg	attctcctgc	360
ctcagcctcc	caggtagctg	ggattacaag	catgggccac	cacgcctggc	taattttgta	420
tttttagtag	agacggagtt	tctccatggt	ggtcaggctg	gtctcgaact	accgacctca	480
ggtgatccac	ccacctcggc	ctnccacagt	gctgggatta	caagcatgag	ccaccgcgcc	540
cggcctccct	gttcagtttt	ctataatctg	ntcatattat	attctgggta	tatgtgggtg	600
gtgtgattat	ccatgtgggc	ttattttcac	attctttgca	ttactataa	tgtacttaat	660
ggttttaaga	taaagttcat	tctacaaaga	tgtatgtnca	atacctggtt	tcaggtaaca	720
atctttaaaa	aaaacttaat	tcatttttaa	aataaacatt	aaaattncca	ntccaattta	780
aacatnt						787

<210> 4568
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

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<400> 4568
tttaaaccctt ctaatccttt acaactactt gttctttttg caggatccca tcgattcgaa      60
ttcggcacga ggaaggacaa aaatatggct atctgantag atgcagaaga ggcatttgac      120
aaaatctaaa atattaagta aagaagatta tattagtcca ttctgacatt actataaaga      180
actgtangag agcagcccca gtgcttatag ataaaactcc catctnccta ggacagagca      240
cctgggggga atgggagggt ctgggtgcag cttcngcaga cttaaatgtt cctgcctgcc      300
agctcttgaa gagagcagca gatccccag cacagcgctc gagctctgct aagggatgga      360
ctgcctcctc aagtgggtcc ctgaccctca tgcctcctga ctgggagaca cctcccagca      420
agggttgaca gacacctcat acangaagag ctccgggtgg catctgccan gtgcccctct      480
gggacgaact tccanangaa ggaacangta gcaatctttg ctgttctgca gcctccgtg      540
gtgataccta ngcaaacagg gtctggagtg gacctccagc aaactagagc agaccttcan      600
cagangggcc tgactgttag aaggaaaact aatgaacaga aaggaatagc atcaacatca      660
acaaaaagga tgtccaccaa gagaccccat cctaagggtca cccaacatca aagaacaaag      720
atngagaaaa tccncgaagt ttgaaaaggg ggaaaagggg ga                          762

```

<210> 4569
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(785)
 <223> n = A,T,C or G

```

<400> 4569
ttnnnttma ttcctttttt gaactcgggt ncttgttctc tntgcaggat cccatcgatt      60
cgttcgagtg caagctcccc atctttcgaa agtttccatg gcaatacanc taactgaaga      120
actaaaagcc agtgatgtac ttgccagggt tctcagccaa gaaagtgggg ttgccagac      180
tctcaagaaa ggagaagttt ttttgtatga aattggagga aatattgggg aacgctgcct      240
tgatgatgac acttacatga aggatttata tcagcttaac ccaaatgctg agtgggttat      300
aaagtcaaag ccattgtaga agacttaaca agctgcagat aacctgtggt acttctgtca      360
taattcttgc tgagtcaaga gtgtaaataa aagaaatggc aggactcata ttattcantt      420
gtacccaagt atttaaaaat gactctctta agccttaaaa agtcatagat ntgtgctgct      480
gccagaatta tattaattat tattaatggt attattagaa aaaaaatttc tggagtgaga      540
agtaaaaagg cttaattagg ttgtgggcca ntttcatatg ctctggtgaa atgtgtccca      600
natgtnacat agtttttttt ttaatatgtg gaaatgtctt ctcttcccat tcntttctcc      660
ctaaaaatcn tatattnctg gaaatataat gcctcttttt aanctcttnt taccttnnta      720
acattttacc ccttttccca gttanggnnt gcttttttgn ccaaaaagna tanccaaatt      780
ccnnc                                             785

```

<210> 4570
 <211> 986
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (986)
 <223> n = A,T,C or G

<400> 4570

ccgnnntttt	tngnnntttt	ttgcaanttn	ttggaaaaan	cccccttttt	taccaaanan	60
cctcnccttt	gggtttgctt	tttttttngn	ccaggggnaa	tcccccccat	gccggnatth	120
accgnnaaat	ttncggggg	cccaccggaa	gggggnnaaaa	tggggggccc	caaaaaagnt	180
ttnatTTaaa	atTTtgggg	tccttttttc	caaagnaatt	tttttttttc	cnattttaatn	240
ggggggacca	aagggaaaaa	acctggcacc	cccnaccgga	aaatTTttat	tnaaaaaaaa	300
tcccccatgg	gttgggggaa	aaaaagggaa	atttggaaatc	ccccanaaaa	tccaaatggg	360
taacctttcc	aaanaaaaaa	atgggtaaga	aaaaactttt	attaaaaggg	aagnaannat	420
ggnggcttta	ttcttcttcg	gatggaaaac	tccantattt	ttgggtggta	nactctatth	480
aaacaatttc	ggtcataaac	acaaagacaa	accatggggg	caaaatgtgt	cctttgcttn	540
taaattctgc	cttcatttac	ttgaatgacc	tcagtgttta	ggcagtggcc	tgtgttttag	600
acctggtgat	gacagctccc	ctcacctang	agctgagcac	cccggccatc	ttggtgacca	660
cagaaccaag	gncacaggct	tcanctggta	cgccctgggg	caggggagaa	aattgtgctt	720
gcattcccaa	gtctgtctca	cctnctgggt	aaggtctgtc	gggcctgggt	ctgtccttgg	780
agccaccagc	atcctcagac	aaagaatcta	gacggngttg	ccaatttatt	aacagcaaat	840
aaccaattaa	aatggagact	attaaatact	ttatTTttcc	ncttanctna	aaaancnaaa	900
ntttcccccg	ncnannngng	gggcanacct	tanagnncca	cnaantnngg	nngcngngng	960
gnanggnnnn	naaaaaaaat	nttcct				986

<210> 4571
 <211> 804
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (804)
 <223> n = A,T,C or G

<400> 4571

ccgttnatth	cgaantttgn	aancccttta	caanactact	tgtgtgcttg	ttgtggcagg	60
gnaatcccat	acggatttcg	gggaaattca	aaaaaaccca	aagnttacct	caggaaaatt	120
aatgggtggt	ttntcttta	aagnggtana	aaaattggga	aggggaaacc	tgggtgggaa	180
aaaaaaaatt	aaggaaaaag	ggnggagggg	ggggtaaaaa	tccaatTTtc	cnttaaaatc	240
cttaaaaatt	aacccttta	aagccattaa	gnaatacctt	ggggttaaaa	taatcctttg	300
gggtattaat	ggnTTTTttt	cctggggctc	tttggttttt	angtctggca	tgngattggg	360
tttaaccatc	cttntattag	ctctctnaat	gctgcctatg	gttatatttc	catgntcnta	420
tattntactn	ccatgtaata	tatattatnc	atattaccta	tattgaaang	gaaatgctta	480
tatattcatg	tcaangtaat	gntatcctct	nctgntatga	ttattatttg	cctnaacatn	540
ttgattgatt	tatntaaccc	tgtgctanat	tgggaactac	ttctctncta	tagaccttaa	600
nannaacatn	gctttatcaa	gattttattc	agtgatattt	taaatgattc	tgctgtagg	660
cttgccagac	aaattagtgt	ccaataatct	aatgaatgtt	gnaagtcatg	tnggattatg	720
aattccatta	ttttactaat	ttacttgaaa	aacatgattc	aaaanattgt	ttttgttggt	780
tgggttaaaa	aaaaaatnta	aacc				804

<210> 4572
 <211> 793
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (793)
 <223> n = A,T,C or G

<400> 4572

gtgaatectt	ttcnaatngc	ttggctactc	gctctttctg	cangatccca	tcgattcgaa	60
ttcggcacga	gggcagctag	agtcaggaaa	atgaccctca	tatgctnttn	atctttgttt	120
cagttgtctg	tcagggttga	attaagaagc	tactggttta	ttcccaattg	ttgatgcctt	180
taggtatgtt	ggaatctttt	tttttgccca	ggaggggcca	gtngaaaatc	tgtgactcaa	240
gangcagtga	acagaatact	gntttctggg	gaaaaattgg	ttggctactt	gatgttaatt	300
atggnacagt	aacaggaaaa	ggttgtgtnt	gtgtttttta	gtaatgtctt	tattctgctt	360
ttttgctgct	ataagagttt	tctgaaatth	atatttttaa	cttttcatgc	actttactgt	420
ttctagtctc	naaatgtgat	atthttnaatc	aacaagaaat	tttccattat	gngaagtga	480
ttttaaaaga	caatagccta	tatttgtgtc	tcactaatat	ataaagtata	ggtcaaattt	540
naattattta	attagtttta	aatatctcaa	tttgtctnct	ctttcaaacc	tgacatnttc	600
ngctggtttn	ttaagtccta	aaatgatgca	ttttaccttt	nggncaattt	caattgccta	660
antttcnntn	ccatangtna	aattaaannc	anggcttatt	attaangggg	aatnattttc	720
ccccannagg	ggtaaatttt	taatgggnga	ncaaagngtn	gntgggggatt	gangtctttt	780
catnccangn	ggg					793

<210> 4573
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (756)
 <223> n = A,T,C or G

<400> 4573

annatcnctt	ttnattcnat	cagctacttg	ttctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	gtattcttct	tctactggag	aaggtagcga	aaaagaattt	gatcctctga	120
ttgcctaggg	ttttgagaca	tgagaaataa	tgtctttgat	ctggttttga	gaaattattg	180
catattttat	tttaagtgtc	tgctgcctct	gcctttcccc	ttttgctcct	caaatatata	240
aagtaagtag	cctgcctaca	ggaggactgt	taaaaatcat	atcactagat	taaatagaat	300
taaaaaagan	acaggaagat	tgaagatgta	gnttaatata	tgtatcatta	ataatagaat	360
aaatacaaga	acataatggg	tgagaaattt	atttcttaat	aaaaatttct	gagactagac	420
ctttcaacat	ttagttatac	atactttaat	aaaaatctat	catagtaa	ttataatttt	480
tggttgagta	tgtgaataat	ccttctgcgc	attattggcc	tgttataaat	ctttcaatga	540
attgtgggtt	ggagttaaat	tcatattgtg	ctgaatttac	aaaatttaac	agtttgctnt	600
aaacgtttta	aaaattntct	aacttagcac	caaaccctcc	catacctttg	tgtgtgtgtg	660
tgtgtgtgtg	tgtgtgtatg	cctgtggana	aaaagtcnng	agatcttatt	tctcatttaa	720
aaaangttag	caaaaaaaaa	aaattttttt	ttttnc			756

<210> 4574
 <211> 801
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (801)
 <223> n = A,T,C or G

<400> 4574

atatnctna	taancctttc	aactacttgt	tctttttgca	ggatcccatc	gattcgcaag	60
agcaaggggtg	gaggggggaca	gattgtntng	tccnttaa	gtgtgttgac	acacatgggc	120
ttcgggttag	ctggcctgac	atggagatag	antgccaatg	ttccaagcc	cacagaatta	180
tggaggcctc	accncagta	ttcacagctc	tcaactggcc	tttnanaatg	gaaacctttt	240
ctgccntgga	tatggcgctt	cttctgggag	aggagcanag	ccacagagag	gtagggaagt	300
gaggcatagc	aaaggaang	cttcaganct	taagcccngn	tcatctcata	tgtgttttct	360
angcctgngg	ctgaaangaa	gaggagtggg	gcancctggg	acggnaactg	cctctntggg	420
ctccccactc	ccatggaggg	gctncata	ctttgctcct	gggctgnatc	ttganaagn	480
ggcanggtct	tcccaccant	ggcanggtgt	gcagttgtgg	tccaagcct	tggagggaat	540
ggggaatggg	ctggcaccct	gctcaaggaa	agcanaagca	cacangtgcc	ccaacagggg	600
ancttcattg	cccccaatan	ttttaaaaa	ngcaaccat	cacttaaggc	ttgggtgccc	660
ttttcgnaa	aaactaccaa	acttggaa	ccctcccgcc	tttaangccc	aacnaat	720
nccctggggn	acnttcctt	gggaccccc	aagggnnttc	ctttaaccag	gccaaaaaaa	780
aaaaaaaaa	nccncccc	n				801

<210> 4575

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (895)

<223> n = A,T,C or G

<400> 4575

cnttntttna	nttatccttc	aactcttgtt	ctttttgcag	gatcccatcg	attcgagag	60
gctgaggttg	gaggatctct	tgagcccagg	agggtgaggc	tgcaatgagt	tgtgattgca	120
ccagngtact	ctancctaga	cancagagga	ataacctgt	tcncacgata	angannttca	180
tcantannnn	ntnataanaa	ttctntcagt	gncnngaang	nngacacngg	anctccctna	240
ncangangga	catnncnca	nggccatntt	acgnntcang	tgccatacat	aaagnnatg	300
ntggnnttgag	nttacnacca	cactacngaa	anatttgcna	nnanncttat	gnnnnatnct	360
ttaantntnt	ccatgtnttg	cttcacgca	ttcagncnat	ngtgtgggtc	tnttaa	420
ctgnctnatt	tcttactcaa	anggattacn	ctanatncaa	caattntttg	aaatgggng	480
cttaatcgat	tttaatgnga	ggnnat	cctnatggtc	ttgganggcc	acctggnttc	540
cttaaagtgg	ccttttgatn	nttttaaatt	ccaaanttag	gccnttttt	aaaataaggt	600
cccaatggna	aaaaantttc	cttnnaactt	ttaa	acggttn	nccttaattt	660
ccccctnaat	ttnttcaccc	cngaagggga	anggnaaaat	ttggggngng	cccat	720
attnnngggg	aaacctggcc	aagngggatt	taanatcg	ggggaatccc	ccncc	780
gggacccctg	agccaatttt	ggcntttaac	cnaaggtntt	tatccgcccc	acttttctcc	840
aaaaanntta	ccccccacca	ngtnttccca	aancctgggg	gttttttttt	tntnn	895

<210> 4576

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (719)

<223> n = A,T,C or G

<400> 4576

tatcnnttat	tctntaacc	ttgttctttt	tgcaggatcc	ctcgattcgn	tnatgtatna	60
actantcnna	tatgttttnt	ancatnctta	ntatccttgc	nngcattatg	nggattcagg	120
gtcaacttnt	cagactgnga	gcctgagagt	tnntctctaa	gaggctccac	acctttnttg	180

tctnttagat	cgnggccaaa	ntgagatgaa	aactaactct	tgagaaanaa	aaaccancat	240
gcnttaactg	atacaccgtg	ttgncttggt	catncacagn	nnatncagcg	antaccaaca	300
tccacgntat	gaaatgncnc	cctangtntc	ttattctagc	aactgccnng	caccacaacc	360
atggtaacnt	tggggagacn	naggtctttc	gcttanagga	tgacacgcca	agtttaacga	420
cgcagttcct	ctggaaagat	gacntgtgaa	taacagaccn	caagggttgc	ctctcgaccc	480
agcctgttca	ngantcacia	gctctttaat	gtcatgtaac	nttccatata	atnttngagn	540
ggnnccgtgtg	ngncacaccc	tgtgaagngt	gtatatgcnt	cctncagtgc	tggntgctta	600
attcttctgc	attnaaatgt	cctgaccatc	ttgaaaacat	cantganana	ntcctgtgca	660
tgannggatn	ctaagggcta	tntatgatgc	ntttttaaac	tcaatgggng	tttnncnaa	719

<210> 4577

<211> 726

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(726)

<223> n = A,T,C or G

<400> 4577

gagcccagaa	tgaacatgcy	gnccccccaa	gttatcntgt	gatcccaggg	tttcaagata	60
gacttttgag	tttttcacag	tctgtcttan	ctcagcanga	taacttgga	cttcagaaac	120
agttggatct	acaaagagaa	gttctgcatt	atagccagaa	agcccaggaa	aaattgcttg	180
tacagagaca	aacagcattg	cagcagcaga	tacagaaaca	tgaagagact	ttgaaggatt	240
tctttaaaga	cagtcagata	agtaagccca	cagttgaaaa	tgatttaaaa	acccanaaga	300
tggggcagct	canagactgg	tttcctaata	cacaagacct	agcnggaaat	gatcaagaaa	360
atattaggca	tgcanatagg	aacaactctg	atgataatca	ttnggnttca	gaagatacta	420
gtgccangct	aagttggtga	gcacctggtg	gaaagatctg	gggagaagat	cctncaaagc	480
cacctgtagc	aaaagtcaaa	tgtggttttg	accttaaaac	ccngcattga	acttaagtgc	540
ttttccaagg	aagttanaag	ttncagcan	attnggcagg	aactttctat	accttaggtt	600
aaaccagggg	tattttnttg	aagaacnnag	tcccccttgn	naagtcttca	attatatccc	660
cagtaaccac	nggtttnttt	tngngaaccc	cantggcccc	ttgatcccg	ttcaaantgg	720
cttttc						726

<210> 4578

<211> 1071

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1071)

<223> n = A,T,C or G

<400> 4578

tttttnaaan	aattncccaa	tnnttttttg	tnaaaatttt	tcnccnaaan	ttttccaagn	60
aacccttaac	cttttggtt	tttgctttt	ttttttgggn	cnaaggggnn	aatccccccc	120
aattcccggg	aatttttccc	ggccttccct	tgggtttggg	gggnaaggna	atttgggggg	180
gggnaagggg	gggggggggg	cccccttaat	gggcnnntt	tcaaattggg	cccttttttn	240
ctttgggtta	aagnttgggc	ccaaaaaac	cccccccttt	aaaaaccccc	attgggttgg	300
cccccaagcc	caaccttaaa	gcctttaagg	tngggaagga	atccttaaac	aaaggaatcc	360
aatccggncc	cttcggccc	cttcaatttt	aaagtcaaaa	anggcnttca	aacctttctt	420
ggctttccac	aaangtcaat	cttttttttg	ttcacttctt	ctggtnaaaa	taaatcaaac	480
tcacgccctc	aaagtcttgg	ttgtgggaag	tttgaggttg	acaaatattt	caacaagaaa	540
tttgatgccc	atatgggaaa	atcccaagct	agctttttgt	ancaagttnc	aaaaatcaaa	600

tatttcaaaa	cagaatgaga	agcttactat	cgtggtggga	agtacaaggc	tttgggtgta	660
aacaatcctg	agatggaatt	tcatctcttc	ctaaattaga	agctgcanaa	gacctagtca	720
aagtctgaac	ccttatgagc	tttcgtttcc	tcagctgtaa	gtggaactaa	taacactgaa	780
tttgatgaag	ttggttatga	aggattaaat	tggacaaaat	gggaagtgtg	tagcatctat	840
ggcacataga	tgtaaaatta	aataaagaat	gggacanggt	gctattnaaa	aatattttacc	900
ttggcccggg	gtggcaatgg	gcntcatgcc	tgtaaatccc	aaaccagttt	tggggaangg	960
cccaaaggcn	gggtgggaat	caacnttgag	gggcccaagg	naagttcaaa	gaaccagctt	1020
tgggnccacc	cattgggntg	gaaaaccttc	aaaattcccc	ttttccctt	n	1071

<210> 4579

<211> 1052

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1052)

<223> n = A,T,C or G

<400> 4579

tnttcacag	ctcttgttt	atgcccaccc	tcgattcgaa	ttcggcacga	ggctttatgt	60
atcattaaat	ttttctcata	gttcagaaaa	aatgtgccaa	agggaaacta	ttggctcctc	120
cttcaaaaac	agtcttaatt	aactttcatt	atttancggg	attaaaacta	nccagaagca	180
gggntcangg	ggaaaattaa	aatggatatn	ggacccttaa	attgtatcat	tctgagttga	240
ttngtgggt	tattcattct	ggaaacatgt	tgatacttac	agtcaaccac	tgntttttga	300
taagtgatat	tgattaaggt	tgaatcttct	ttgtaaataa	gtattttacc	agttagcaaa	360
agtctgtgtt	ttcaagaatt	accagtgagc	accaagaggg	tgttcattaa	aatgggggga	420
aattgaagtn	cccacttccg	gnnaagaaa	ttggctttta	aaccttggac	cacttggttt	480
ggaacaattt	ttgggggcct	tgggaatnaa	aaaaccccc	tgggtggggg	gggggggggt	540
ccttggttgg	ccttgntggc	canttttggc	caagggnaat	tgggggtgna	aagnccaaan	600
cccgttnc	ccnttcntt	cnaattgggt	ggnaaccaaa	cccccccaac	caaaggtttt	660
antttgcccc	ccggggaaa	gggttttggc	ccccaaaggaa	attgncccc	cccctttaaa	720
ggggggggna	accaaagaaa	agttccaaaa	acccccccc	cnaaaccttg	gaaaggggaa	780
ccccacctt	gggttncccn	ttaaccaagg	naaagntcca	aggggaaaaa	aataatttgg	840
gtaanggggg	aaggaaaaaa	aaaaaantta	aacccaaccc	aacccaaagg	ggcccttggg	900
gggttaaatg	ggtttaaaat	taggnatgga	naaattantt	gggaaatant	ggtattantt	960
naaatgggtt	taaaaaaatt	ggtacccttt	gaatcaaaa	gtaccttttt	ttattaaaac	1020
nttggncctt	ttttttanng	gnaaannttt	tt			1052

<210> 4580

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 4580

ttaatanatc	cttgatttgg	cngatccatc	gattcgggcg	aaaatcgaaa	tcaagttatc	60
cgatattcca	gaaggcaaga	acatggcttt	caaattggaga	ggcaaacccc	tgtttgtgcg	120
tcatagaacc	cagaaggaaa	ttgagcagga	agctgcagtt	gaattatcac	agttgagggg	180
cccacagcat	gatctagatc	gagtaaaaga	acctatcang	ataaccatt	caggtttctt	240
tactcgatct	agatcatgta	aagaaacctg	aatgggttat	cctgataggt	gtttgcactc	300
atcttggctg	tgtacccatt	gcaaattgcag	gagattttgg	tggttattac	tgcccttgcc	360

atgggtcaca	ctatgatgca	tctggcagga	tcagattggg	tctgtctcct	ctcaaccttg	420
aagtcacccac	gtatgagttc	accagtgcag	atatgggtgat	tggttggttaa	gagacttgga	480
ctcaagtcnt	aggcttcttt	cagtctttat	gtcacctnag	gagacttatt	tgagangaac	540
cttctgtact	tgaagttgat	ttganatatg	taagaattga	tgatgtattt	gcaancatta	600
atgtgaataa	attgaattta	atggntgaat	actttcaggc	attcacttaa	taaaagacact	660
ggtaaccac	tgntatgctc	aatcataccc	nctaaaagg	acaaatggcc	tttttaccta	720
atnctaattn	aaaaattncc	ngactggngg	taaaaaaaaa	a		761

<210> 4581

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 4581

nttnnnnant	acnatnnan	gcctntgtac	tgccgangatc	ccatcgattc	gaattcggca	60
cgaggnaaag	ccatctttgc	attgatcctc	atccgccttt	ttgctcgccg	cagccgcctn	120
cgncgcgcgc	cttctnccgc	gccgcggact	ccggcagctt	tatcgccaga	gtccctgaac	180
tctcgctttc	tttttaatcc	cctgcacgg	atcacccggc	tgccccacca	tgtcagacgc	240
agccgtagac	accagctccg	aaatcaccac	caangactta	aaggagaana	aggaagttgt	300
ggaagaggca	gaaaatggaa	nagacgcccc	tgctaaccgg	aatgctaata	aggaaaatgg	360
ggagcaggac	gctgacaatn	acgtagacga	agaanaggaa	ganggtgggg	angaaganga	420
ggaggaanaa	gaaggtgatg	gtgaggaaga	ggatggagat	gaagatgatg	aagctgagnc	480
agctaccggc	aagccggcng	ctgaagatga	tgaggatgac	gatgtcgata	ccaataanca	540
gacnaccgac	naggatgact	agacagcctn	naacgaaaag	ntaaactaaa	aaaaaaagcc	600
gcttnacctt	tncacctncc	actgccgtct	canaatctaa	accttggncc	cctttnaata	660
anaaaaggcc	cgncgcgnc	acngtggggc	antgccaccc	cgaagatgan	acncgctttt	720
caacacccaa	cccaaacctt	gaggaatttg	gaacaagggg	atggaaaaaa	gaacccnnnt	780

<210> 4582

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(756)

<223> n = A,T,C or G

<400> 4582

aanaatcctn	cctcccgttt	nnattcntat	acaagctact	tggtcttttt	gcaggatccc	60
atcgattcga	attcggcaag	aggccttgag	ggaattanac	agattttctg	ttttgaatag	120
ccaacacatg	tttgaagtac	tagctgccat	gaatcaccca	tctcttatac	tcttgatga	180
atgcagtaag	gnggtcctag	ataatatcca	tgggtgtcct	ttaagaataa	tgatcaacat	240
attgcagtcc	tgcaaagacc	tccagtacca	taatttggtg	ctcttcaagg	gacttgacga	300
ttatgtggct	gcaactttcg	acatctggaa	gttcagaaaa	gttcttttta	tcctcatttt	360
atttgaaaac	cttggttttc	gacctgttgg	tttaattggac	ctgtttatga	agagaatagt	420
agaggatcct	gaatccctaa	acatgaaaaa	cattctatct	attcttcata	cttactcttc	480
tctcaatcat	gtctacaaat	gccagaacaa	agaacagttc	gtggaagtta	tggttagtgc	540
tctgactggg	tattttcaca	ctattttctc	tgaaaaacta	ttggatgcag	tatattcatt	600
ttgttgatg	aattactttc	cctggctnct	tttaatcagc	ttctgcaaaa	agacatcatc	660
agtgcgtgc	tgacatcaga	tgacatgaag	aatgcttnca	agctgcattc	tttgataact	720

gtctaaaact tgatgatacc ttggggnncc cctttt

756

<210> 4583

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 4583

cttnttacat	ctctctcggt	ttattcgata	ccnctacttg	ttctttttgc	aggatcccat	60
cgattcgaat	tcggcacgag	gagaacctaa	caaataaatg	tggtgggtaa	ggaagagaaa	120
gaagtnnaga	tgaaatttcc	actctgctgg	ggaaactagg	tagatagatg	atcatgaaga	180
atctgaggaa	gagcagaagt	cgtacaggta	agaataaatg	cattcattaa	tttattcagc	240
aaaactgcct	gaagaatacc	atgtgcagca	ctgcgggaca	aaacagggct	tgcatcccca	300
ggctgtntct	ttgtgaggac	aacangaagg	aagttgagaa	acacacaaga	acaatgctaa	360
gatggggaaa	ctccatacgc	tgcgggagca	catacagaca	aagtccaggt	agggctcccg	420
gagaaagtga	catttctagt	gattcttcaa	gtatgagata	gtcatccacg	caaagagatg	480
gtagaaaagt	gttttaagca	aaacaacaaa	atgtgcatag	gtcagaggc	ctatctgatt	540
ttctatggca	ngctgggctt	tcacggcag	anaggatggg	cttantgaan	gaagctttgt	600
tggttttgtt	ttcgtttcgt	ttgtttaaat	ggtcatacaa	agtttttatt	ggctaccttg	660
cttcaagaaa	aactgggcca	atgatgaggt	gatcatttct	attaatagtt	tcattacngt	720
cctgtgtcat	tgggggttaac	ccaaaaaat	t			751

<210> 4584

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 4584

aggancnntn	aactcctgcc	agtanagaan	acaagctact	ngnncctttt	gcangatccc	60
atcgattcga	attcggcacg	aggtttngcc	ttgtngggcca	gactagtttt	gaattccctag	120
cttcaagtga	tccacctgcc	tcgacctnac	caccctagat	tgtaaaccct	gaaattttct	180
agagctgnct	cccagtgcac	ttaaacttact	gngtggatct	gccttgctgc	cctnactttt	240
catantctca	ccccgncctc	accacttcct	tgncctcnnn	tgncactggc	tgtgtttaca	300
acatnggatt	aacagctgna	aggtcagcaa	tgaattccca	aatangcatt	cagcacctat	360
tttcagccct	tcttaatttt	tctgngacat	tcgtaccttt	ntaaagntct	tttcttggnt	420
ctgatgacct	gagatatctt	gattttccta	cctcattggg	atcctcaact	ttcttctctt	480
ggctttgcc	tnttgntcct	ntctcctcgt	attcattggg	ggncctatct	gccctctggg	540
aaagttcaac	ananggtntc	natacctact	ccgcgnntnc	aangggccgc	ctaataaata	600
taaagtctcc	anggcaccaa	ancacaattc	ntttacaatg	caatccannc	ccttctcctg	660
acttttcttg	gcaattntac	taaccttaact	cntgggtggc	ttcnaaaact	ggntnaaaat	720
ggaanctacc	tgctacccca	aantggggaa	agggccc			757

<210> 4585

<211> 825

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (825)
 <223> n = A,T,C or G

<400> 4585

ttatccnnta	ccnaannaac	ccttgcaaan	ccgcgncng	ncggagacnc	tagaggacnc	60
ccngntaccn	anttnaatgg	gcacnatagg	gancctttna	ccgatgangt	gggcgcgggt	120
ntacaccena	tntactgtga	ntatatngnn	ttgtnnncng	gnngcatcac	agcattctnn	180
tcnactattt	cggggccaaa	ntgagacgtg	gaactgannc	cctcttacta	caacacaaact	240
tnnatccacn	ncatcnangt	cnntngccan	agnngagggg	gcatgaaaca	ctnatcnann	300
gattnnnat	atganaccac	gcggtaaangt	ttctgnngct	nngacnnnac	aggcnctcnt	360
tcaagtgcct	ncaccagcag	tngaagnnng	gtgncccgcc	tnctccgggn	nggtgacnan	420
tccnncaatn	ngnacacggg	ttncctgtnn	ntacnaganc	actnacttca	tgccagaacc	480
ngcatnnang	nnntnatgnc	gactctgtnc	cttgttcacn	atgtactaan	ggcttntttt	540
acttgctcgn	gncncgtggg	aacaatagtc	ttnantntag	gggataccnt	tngtgnaaat	600
ancanccnat	cccananntg	aancntaacn	tntccggggc	ttnannccan	tccgggttaa	660
tnagcggaat	ttgntggngg	cactntnncc	ccncacctag	ttncaacgag	ganctacccg	720
gggnttannc	ccaggccttt	cccagggctg	aattncnaag	gggggcttnt	ggtaanncna	780
agggagggtt	tccaaaactt	cgatnngggg	ggnggnaacc	cccn		825

<210> 4586
 <211> 1546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1546)
 <223> n = A,T,C or G

<400> 4586

ttttnggggg	naatncanac	ggngggganaa	cancctttt	ttttnggggg	anaaaaanccc	60
cccgcnnatn	tntagcgnc	gcactcnac	agtannggg	nngagcacat	nnatncgagg	120
gagngnnntt	gantntnnn	cnctacgnag	ntacntnagn	acagngcacn	ntnagntttg	180
tgnnnccgnt	tttttttatg	ncataagccn	nccgcnngana	tacaatntgg	cgcagacggn	240
naggtgcggc	ggnnnanagt	gnccagnann	aggcgcnngg	gngcancagn	cgcagnannc	300
gcccannncn	cnntctannag	nganancgna	tcggnnccgn	nagaggcant	ngtcannccgn	360
cgcgagnnnn	agnnnnnnt	nnncgangcc	gacgaanana	gnnagngngc	cnncnnnnag	420
ngnngnagnc	anaaaannan	tnncncaaaa	naggnagnna	gagnttgna	tanntgcgc	480
cnngtganta	nccnaagnc	naentccng	gncccgnnn	ngancaggcn	ncagaaggng	540
cccnannent	nnataanana	ctncnnnnct	nacanaaggn	acnnnnncng	cacnntgnga	600
gaagangccn	cngnnaggna	caccgggann	gnnnananaa	agnccgggag	cancacaacng	660
nantncacnt	cgncncgag	natgannngn	nnngcnnat	ntcncnnn	aacagcnntn	720
ncngactgaa	gngtcngnna	gccgataatn	gaacngcnnc	ntactgcag	ccgantgnnc	780
cccgcatnn	cgctanatnc	gtntnnangc	gnntcagngc	gcnnnctcgn	ncgnactnnc	840
catcacgcgc	ntacantnat	naccgcgag	cgcgnangcg	ccangnnng	canacacgac	900
ancgngtnc	acncgcgnnn	gcgangganc	cgnccgatn	ganacgagag	ctacangagt	960
atagcgacgt	catancngga	gnganatgac	gantgactnt	agngcgnaacn	ncnnnnnggc	1020
tncgacncga	cactntgagn	catcctngan	nnngnnagcg	antcncgtg	anacanaacgc	1080
gcnantncnc	acnggagann	aganggcang	cacgcnatcg	ncgcagctac	ganccnnngat	1140
gagnnntngg	angcgacgc	cgntgcagc	gcangngacg	gncntgntgn	gcgtngtgc	1200
cnantangaa	ncncagcggt	anancngat	gaaggannnta	tagacagnac	cnactggcga	1260
cnaagcaaag	cangatagac	tgtgacgat	gacagacggg	ngagggtngg	atcgnnccaca	1320
gcacgcgcgg	ccacanacgt	acnnnantag	catcagannc	nacagaacnc	gacagannac	1380
agacanactt	gcatngngng	acgananaat	antcncncca	cgcacaganc	agacgagtac	1440

gcatgagcgt	ngngcnnngtg	annnnananat	gnagaggcan	acnnagntnt	nnanaancgc	1500
tgtnannnta	cncagcggnn	gcagannngg	cgcnacngn	ngcnnt		1546

<210> 4587

<211> 1003

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1003)

<223> n = A,T,C or G

<400> 4587

tttttttgaa	acctttnnnn	ntngaatacc	nanacaaact	ctgnntgtct	nngcgggatc	60
ccntcaagtc	cnatncggcn	cgagcncanc	tttntnnann	tgtegcgtct	gagcccatga	120
gncacgacnn	cnttcnccgg	cgctgnatt	gncatntctc	ccaaatacgt	ggctnntccn	180
cantnnga	nategnnatt	tttagtgcca	gannattggc	nataatgtnc	nccntgagan	240
aaannctnct	gncatgngaa	accatcttna	tacttgncgt	nncnaaatnc	attgtgannt	300
ntgaagggga	acgggcncn	nnaaagngat	gaatttcnna	taacttnacn	ggtnatnan	360
gaatgatttt	gcnacanc	ggaaaatcac	cccactnntt	tgnttcaaga	ntgggcccct	420
aacgggaggg	gtantagagg	caaaccntct	ttgcgggctn	ttntatttcc	ttntttcaaa	480
caccaatntt	tgntgaanaa	taacagtgtt	ttnaattnaa	ttaccaccgc	ntncantgng	540
attntttgnc	ccattncaaa	ggnrtgggtca	attcccctaa	aanaattggg	aaaanantaa	600
tttnccattt	cntttttccn	ttnaaangaa	accntnccnt	gnanttaaaa	aanattctn	660
tntnnttccn	caaatttttt	nnttttnaaa	ccnctnancg	gctaaccagg	nccgnttttc	720
ggtgnccctn	tttattgttg	gccanntaaa	nccccntttt	aaaaaaattg	gccttnaaaa	780
aatccttacc	atttttnnna	ancctaaaaa	nggattaaac	tttcaaanc	gtnaantaaa	840
tttnnggggg	ttcatntnnc	tttgaactcc	ccctgcntcc	cntanaattn	gaattgncac	900
attggtngna	nccaaantat	ggatntttca	agannaanac	tgggcttnca	aatgnccttt	960
ttcancnaat	nanntnatat	tgccattttg	nggccccccc	cnt		1003

<210> 4588

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (997)

<223> n = A,T,C or G

<400> 4588

tagannccctc	tntctttgaa	gccntccca	nncactcgaa	ttcggcacga	gcaaaaaaaa	60
ggctttttccc	tgattttccag	aatgtactgg	gtggtgtcca	tctggtcttg	ggatggtgta	120
agcataagga	tttattgaat	gaaagtatga	aagtgtgggt	tttatttgaa	agtcaaatat	180
ttggcagntg	gtgttcattt	attctataaa	ctttcaaaac	agatgacaag	ttttaaggaa	240
atggggggccc	taataccaaa	tttggttgaa	ttaaatgaaa	ttcccaagat	tcttttctaa	300
cctttttctt	ttttaaaaga	caggggtctc	acttctgggt	gccccaggct	gggaagtccc	360
aatgggtgcc	aatccttggg	caagactttg	ccctgctaag	ttttccctta	aggctaata	420
gttaaattaa	gtgggttttt	tgtggaaatt	tcntaagaag	ccccatttaa	agaagggtaa	480
gttttttttg	ggaattaaac	ctggtttttt	ccattcttac	ctttaatgga	agcctggacc	540
tggtaaagttt	cnattcccac	ctttaatgga	aacctggnaa	cctggttttt	tccaatcccc	600
tcctttta	ggaanccctg	gaacctgggt	aaattggggg	gaaaaaaaat	ggggtgggtg	660
gtnggtncaa	anaaaaaagg	tttttaangg	naatttgggg	aaaagaaaaa	attttccggg	720
ccttgggtggc	cntttttccc	caagggttaa	accttaaaaa	aacccaaaaa	gaaaacctgg	780

gttnngnccc	tttggggtgg	ccccctttgg	ntttngggaa	aattcctttt	tccaagaaa	840
tccantggaa	tncaagnaag	aaaaaaaaatn	ggggggcnt	accaccttcc	aacaattttt	900
taaaaaaaaa	tggaccacnt	ggaccncccc	ctggaccatt	aaaccttccc	tttaaaattt	960
ancctaantg	ggggaaaaat	ttttttcccc	ccttngg			997

<210> 4589

<211> 945

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (945)

<223> n = A,T,C or G

<400> 4589

ttcnatanca	aagccttaac	ctcnggtttt	tttnttnaaa	aggcccccgg	taatcccccc	60
aattcgggaa	tttttccggc	atancnacct	tgcgttgang	gnganagcna	agtcgggttt	120
nggtngggna	ccnntgcatg	gnntaggcan	nagnntangg	caaatacatta	tccgttnnnnc	180
aanttgggac	gncgcncccc	cnaaaattng	ggtttaacca	ctttngngtn	ggggcccntt	240
tccaaagggtg	gntttcccca	agggccnctt	ttttaanngg	gaannttngg	aaaaccnttt	300
tttttnggg	ancaaanact	tanaanngcn	cgggggcttt	ancccccctg	gtnataggcn	360
ttttggaccc	tncaagatgt	tcaacgtgan	tcntgccaaa	ggtttggnna	cttgggtgcan	420
gggaaanaaa	ttgaaccggc	caatgnggat	gccttgcact	gaagaagnac	ntcaattgct	480
ttggagtctg	gagaaantgc	attattattn	gctacaaggt	aancatnngn	atggactgnt	540
catngctgtg	natcgtntnt	nataatanen	gagccnaatg	aannacactt	ctantngttg	600
tactgnaata	atagggttna	ngntnntagg	gcagnttggt	tcncaatcnc	cntangggat	660
cnatggtaa	tgatgggtatc	tgnaancctg	ncatactgct	ttaannttnn	gggggaaaac	720
nggctgagta	cttgaagtgt	aatgnttcnt	tacntccagt	agcnananac	tgggtatcatt	780
cagtttttnt	cantagnttc	nncaaggtaa	ngnanaatgt	ttttaagnaa	aaatnnggct	840
ttttgttng	gggggnanaa	aantttcnaa	gnaactcggg	gcctacmnaa	angtgcattn	900
ttttgtggaa	aaacaanttt	ttgccccgng	aaaaancant	ttttt		945

<210> 4590

<211> 754

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (754)

<223> n = A,T,C or G

<400> 4590

aatcatctct	accgtttgan	tgccngatcc	ctcgattcga	attcggcacg	agggccaggc	60
tgggtctcgaa	cacctgacct	cagggtgatcc	accctccttg	gcctcccaaa	gtgctgggat	120
tacaggcatg	agccactgtg	ccctgcctgt	aatttttatt	taatttttcc	ggtgatggca	180
tgagtgaatg	tccacattta	aagttatttt	ggttcacaca	tggcctttgt	ttattattta	240
tgagaaaaaa	ttatagaaat	aatttaaggg	tggtacagaa	atgcaaactc	agaggactta	300
aatgtacat	gaaaactcca	tttgatatga	caaataattt	acagggtcaa	tattttaata	360
tttatatata	taatagatgc	cagtttagcac	aattgacaag	ttctctttta	cagaaaaggc	420
cccaaaatgt	cttctactga	tgccagatca	ggtgattatc	tagggataga	tatctgaaat	480
aagctaggcc	aatttgattt	tctcactcag	gaattatttt	attgactaat	tttattagtt	540
cattcagtca	gcaagtattt	attgaaggcc	tggtacatgt	ttggttgcta	gagatcaatg	600
atggaaaaat	tcanataaag	tttctgcttc	aaacaaagaa	attaaattgg	ctagacatgg	660
gaaaatagnt	ggccttccca	agangggaag	gttctatata	tttagtgctg	ntaaggccta	720

taagaactnc ctctggattt tntcccccn ttgc

754

<210> 4591

<211> 1389

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1389)

<223> n = A,T,C or G

<400> 4591

ctttncttgn	tttnngccat	cntcntccgt	gtgcgtngcc	gctgccttn	natnccnctg	60
tgtnacacaan	nctgttgtgt	ctttacactg	ctcnagtga	tcggtnccgt	ncttggatcg	120
ggnggacctc	cttgggagat	caatncccc	gtccttccta	cactttgctt	ctgtgaggaa	180
aagaatncca	acctntccag	cccttttaag	gttcccttca	tgaccttnaa	ccctaانccc	240
cccanaaana	anaaccaat	ttntttcaac	ccgggaattt	ttttgaaaaa	aaattcnccg	300
ggnggtantt	tngggaaatt	ttgaacccaa	aaccngaann	gggaatttta	atTTTTntt	360
tttgaaaaaa	aaaaatgggg	gttccccatt	taggggtttc	ccaaccccc	caattgggtt	420
ccccctttt	ttcccttngg	ggggananaa	agggaaaggg	aacnccnngg	naaagggttt	480
tggggaangg	ncccaanccc	agggganaaa	gggggggggt	tncctctan	gggnnatttc	540
cttgggncca	aaaaaccccc	ccccattggt	ncccttttgg	ggnaaaaaaa	aaggggtaaa	600
ggnggggccc	aaacnaangg	gggtttggcc	nttntntatt	nccnttccca	aaanggtttt	660
taaaaacctt	ttttccaana	aancccccctt	ttccgggggc	cccmtttctt	ttttaaagg	720
ggntttttcc	naaaaaaatt	tggaattttt	ttgnttttcc	ccttgggtcc	ccttgggggg	780
ttccccctt	tannccccgg	cacnttttgg	ggcccnttng	ggggggnaac	cctttaacca	840
agggccaaag	gnccccnttt	cntttntttt	aacccaanng	gggggnnttn	cccctttaaa	900
anccntttna	aaaaccccc	ttggaanttn	ggngnnaaaa	aaanaacccc	ccnttnnttn	960
cctttaance	ccccccnttt	aaanccaggg	tcccntnccn	ttaacctttt	ngggnnccct	1020
tancctnngg	nttaaaccct	ttttcgggaa	ttccaaattg	gggnaaaaag	gtgnnggggg	1080
ggcccntttg	gcccccaact	ttttgggaat	tanggnaaaa	canttttttc	gtaaaagnaa	1140
ggcccaactt	tgcccttaaat	tttttttttg	gaaaaaaaaa	gggaagggnt	ttttgggaaa	1200
attaaattgg	gnttaaaaaa	naaataacna	antttgggca	aancnngggg	gancnttttt	1260
tnaaaagttt	ncnttttccc	cnttttnccc	ccanttccgn	aaangggaaa	gaagnaaatt	1320
tnccgggttn	tttatttccc	canncccccc	nttttttttn	ggggggnaaa	aaaaaatntt	1380
ttttccntt						1389

<210> 4592

<211> 955

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (955)

<223> n = A,T,C or G

<400> 4592

actttgatat	tattaaaaanc	ccttttncccc	gattttttcta	aatgggnccac	gggaatnccc	60
ccnattccgg	aatttncggg	gtgggaaccc	tnggcccnag	ccnttaccn	angttgggtt	120
tttccccgga	aaaaaaatgg	gaagggggnt	tgtntgtaat	ggtgtntccc	ccaatttttg	180
gccaaagaaa	gcccaagggg	gaacaaagcc	aaggttccaa	ttcccccccc	aattaaagcc	240
cccccttcc	tggaaaaggg	gaaagggggg	gaangggggn	aatttgcctt	ttaaaaaaa	300
gccaaagggc	ccaagttttt	cttggttcca	aagttttctt	tgaaccgttg	gggccaaagg	360
tggcccaant	tggcaaaaact	tttggttgcc	cgggaangga	agtcttttaa	ggaaagtgc	420

tggtcantaa	attcaataa	gggtccaaga	accaaacaat	cttgggaatga	aatgaaccca	480
cctggaaatg	tggtgtggct	gaccacaag	gaaggatgaat	cctcttgctt	gggggtgctta	540
tggtgtcagg	ttgcttnctt	ccacatctct	catttgctta	aagcagctac	aaaaggatcc	600
aaagactcat	gagactaaaa	atcattctga	ggacaaagag	acaaagatct	gnctgtggtc	660
acactgtgag	gcttgcttac	actgatgttc	tctatgggag	gtcactgaag	acattcagcc	720
ccacacgaga	agatcagagc	aacttggaaa	cccaaagg	agacacaccc	tttaacactt	780
gccgtgctgt	gcttggtgcc	tgctcttnaa	ggaaggaaaa	gaccctatct	cctctgggtt	840
ttgntggctt	gacanttgca	acttgatcat	gcctttgact	ncntcatctt	nttaacaaga	900
aggaaagaac	ttgtttttta	ttcnaaaccc	ttttnaattt	nngggggggg	ttccc	955

<210> 4593

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 4593

nnaaaacccc	ttngnngnna	cnctttttga	atnccctttg	cnactngetc	ttntgcnng	60
gatcccatcg	attcgctaac	aagcgattnt	aaaccaccta	tgagtatctc	ttntagggct	120
ttcttaanta	catgttngna	tatactgtat	nntagccana	ntaatttttn	atctgatcag	180
gtagtngcta	aaattagaaa	aaaacaaant	agatgcttaa	agaatttgca	tccatttttg	240
agtctaaatc	ttttaaaata	tactgagatc	cacatctagt	gaaatgtcag	tgtcaaaata	300
ttatagatta	tagctaaaat	ccagattaat	actcattngg	ggttttttat	agtggaaactt	360
catagtnata	caaaangcag	atngtcttcc	tgtctccgct	gctnccacag	taggtattga	420
aactggtnaa	atcagntctt	ngatagtgtg	tgtatataag	aaaaanataga	tacncacatt	480
cttttttctc	agtcaacaca	ttgattgaac	actctggcaa	agatgctgng	gtggatgagg	540
ttggagttcn	aaagaagaag	canagcgctg	gcctgccttg	aaagaaccga	agtccttcnc	600
attcacttct	ntagaaagct	gccaagacag	angcagaaaag	aaatggatga	taggtctgct	660
aagcacactt	ctggnctctt	tagaacttag	aagtgncttct	aagagaacan	aagnctaacg	720
agaaacagtt	cntngtngaa	tcaacaatct	ttnggntgga	accccnttgg	cntttttttt	780

<210> 4594

<211> 902

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(902)

<223> n = A,T,C or G

<400> 4594

cttttttcca	aaaaccccct	tacottgggtt	tttttttaaa	tggtcccggg	antnccncca	60
ttgcgcnaatt	tnccgnaaaa	tttnccgggnc	caccggaagg	aaaattagcc	catgggaagc	120
ccggtncag	gaaaaaacca	gggnccagg	aatttccaaa	aaatccctgg	tttantcccc	180
aaagnaatgg	ccaaggtng	ggtttaatgg	tnacctcnt	aaagcccttc	caagtttttc	240
cantccaatc	cttggaata	ataacaatat	tggggtacct	taatccttaa	caangggggg	300
tggtggaata	acctataacc	ttaattaatg	gtattntgag	gggcattagc	naaagcattt	360
nggcacatac	tagtgcccaa	nggtgtntct	atttgctgtg	ctacatggnt	acccctttct	420
ntccctgana	aatctcagga	tttgggcaca	ctgcactact	catntaacnt	aaaataaaca	480
naggccgnc	ngtggctcac	tctgtatcca	cacttgggat	gtgacgcgcg	atcacaagg	540
angagatcna	gacatctact	atctgngana	ccngtcttct	aaaaatcaaa	aantaccggc	600

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cgggtggcggc acctgtntnn cactctntgg agactgaggc angagaatgg ngtgacnccn    660
naggcgggact tgcagtgagc cgagataagt gctactgcag tncgggnctg ggtgaangag    720
caaagactnc  gncttcanaa nttaaantna gtcananccc aaaattaagc aagggtggac    780
ccccanttan  ttaaaaaaan ttcccgggtt naaaatttgg gaaagccttt tnccaagttc    840
ntntntaaat cccaattta nttaaagcc ccccttngg gggtttttaa aaanncccaa    900
ag                                                  902

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<210> 4595

<211> 891

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (891)

<223> n = A,T,C or G

<400> 4595

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ccnntttttt ttgnattttt tcccannttc ccccntttac cttnggggtt ttcttttttt    60
tnggccaaagg ggtaatnccc ccnattecg gaatttttnc ggcaaatttt cggtngccaa    120
ccggaaagcg  aanttntcta gacgtgggga aaaaagncce ttgncntac cccccnann    180
tanagnnggg tnggggncca aaccaaagtc aangggggta ccnactttgn nnaacctngc    240
ctgggaatng  aaacccgggt ttcntnggtt ttccnattcc ccccattttc ccgntntttt    300
atttttnaat  cggaaaattt gntaaaaacn cggcgggtgg atttaccngn cccttttttt    360
cantcggatt  ttrnaaaaaa anaagaggag tggcaaagga aacccctttc tacacataac    420
tgaangccac  cagtgattca gtnccagaga ggaggggcnt nncatantta tattcatcna    480
tgcagcagga  ttttcgngta aaaaaatcgt tatcaggcta cacacatgga ggaggtggnn    540
ntcgcgtggt  gaaataccac actngatata cactgnatct tgacctactc ggccgacnng    600
catnaggat  anntgtcnct ntntttttct ttctttgat nttnctngtg tcgnttagaa    660
caaagctcaa  tctntcatnt angntcantg cntngtcnca attnagttt aacttgttgc    720
cntgatcttn  ccaggnttaa gcnaattttt gggccttttag ccctcncaa ttacnctttg    780
gactacacgg  cntttaaccc agccttgccc tgggcntgaa ttctgngat ccttttnggt    840
aanaaaaatg  ggggggtttc aaccattttt ggggtttttt ttnggggggg g    891

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<210> 4596

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (828)

<223> n = A,T,C or G

<400> 4596

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cannnncgtc gannannnan nccnaannaa anannnatna angnncnna nannnncacn    60
nnntcatngt naccttgaan cettcaactc ttgcgtctcg angnnccaag nancgnanng    120
gaacgagcca anntttnacg ggcnanctg cancccaccc aagacannna tnggcaanng    180
ggcaanncaa cggagtncan nnaactnaaa cnggntgcca nagataccgg cntntgccan    240
agaantnngc tnggcaattg atganaaant atgagnagcc cncctcgatc ggganggcna    300
cangggccgn aannggnctn acnctgngca gngcatnatg agcggcaaaa ngngnagctt    360
gaanncanna tananngata ctcnagcngg angccgggag tgaannacnc nanngctata    420
taacctaacn ttnaactnaga tgggncaaca atgcnanaaa cagggnacn ntangaaang    480
ttggggacgc ccccatccgg gaccangaca catgagntac tncntcaang acanagatca    540
acacangggg gaanacanca cacactgcnn taacngaagc atgaanggaa atgtggcctt    600
tcacnaaaag cgnacaangg attgctagat tgaanacaac cttaacctn ctntagcact    660

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tggcgattnn	nnntacggg	aaanggnncg	caaangaggc	tnctnntgng	aaaaaaaggn	720
ccnntctcag	ggaaactttt	tccccngna	acccccagca	ttgtggnccg	ggcaccnna	780
gggttanttc	ctacaaaagt	nccgngggcc	ccccccccc	cncnct		828

<210> 4597

<211> 1395

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1395)

<223> n = A,T,C or G

<400> 4597

accccccaacc	nncgccccnn	cccccaagcn	nnacgcnncg	gcgcnaanngc	gnnnacgggg	60
cacgcggcng	cctntgaacg	cttggaaacnc	cncctcgacg	cgcgggccng	cacnaanngn	120
ccgngcngnc	cccngcngcng	gnnnnnnang	cctttncnnc	ccnnnacnnn	ncacnccnga	180
aagcccnnc	cncgcgnacc	gagnaccnnc	nccnncnncn	nccgancnc	ncgcgcnncg	240
ggncggant	nnngngggcc	nanacnnacc	gncnnncnng	nnacnncng	accaaggcnn	300
ncnccacnag	accnagann	nnncnncacc	ccnccnccn	nnccnccatc	ngccnccatg	360
cnaccacn	ccccnccan	cagncnnnga	cctccnnaac	gccccnctca	acgncnancn	420
ncacgcgacn	acngccgcnn	anncgctcna	nnccngccan	ccacnnacca	ncgcnnccagc	480
cgncgncag	cccgggccac	nncnagcanc	acnggctngc	accannnnnc	acctnnncgn	540
acnccaacng	cnnctnncng	cncnncncca	ngcnnccagc	acgacccann	ncnccagagc	600
gnnaccann	cagcagcncn	gnannatcnc	gccccgcncn	ngcgcnctan	anacgcgcgc	660
aananaggcn	ncnccnnnca	caancngcng	annangtnna	gcnnnngnct	gnacnanaca	720
cacnnnacca	cnnccnccat	gnncanacan	gcngcnnntc	tnatcnnnnn	ngccatntnn	780
cannaancnt	ncacccccna	gnnagannca	aanatgnngc	ancnccntcc	cgngntanan	840
cncggacnac	ncagncanca	tacngancgn	cncnccagc	ncnccntccg	ancnccgaan	900
gncnccann	nccgncann	cnnntnccca	acgnacacga	cnangnncgc	agcaccnccg	960
cggccangcn	ngacggccan	ancnancagc	gcaccacnan	accacaggng	nnnnncaac	1020
gnncacaacn	nngcanaacc	annnaccct	angacannac	gggncancgg	ngncgancnn	1080
nccngcancg	ctacgancan	cgcnantgc	gcccacgacg	anacacgnac	annnnannnn	1140
gngngctccn	gacannnc	gcccacacnc	tnccnccccc	cnccccagc	agntcgnntc	1200
nccaccgcag	acgncanag	ctacctnnn	cngnntnnnc	ccnnnccgca	cancctann	1260
nctacnangn	acgnntcgcn	naacantcgc	ancnccancc	tnccnncacc	acnatgngat	1320
ntccgcgant	gcacanncn	nnngccnncn	tnccanntag	acaccangca	ganncngtnc	1380
nnanccgncg	cncgcg					1395

<210> 4598

<211> 1053

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1053)

<223> n = A,T,C or G

<400> 4598

gtgncctccc	ntccttttca	annnnntngg	aantctcnc	cgctntntcg	tgcnncgcgc	60
nntgtgatng	cangantact	gagatgggat	ncnccccacg	tncccncttn	ctggtctcct	120
gagctcaaan	cnggncagat	tgtnnggatt	acagntgtga	ncctccnctc	cnnctggnan	180
atggacttnt	taaaaaaggn	ctctntttaa	gtannaagga	nggntgnant	tgantnccca	240
nnangacnaa	aacngggntg	aaaaaccatc	ntaaaaggct	ggnatnnnat	ggnagctann	300

tngntccnc	ngnnaccttc	ngnccccngg	nanctnntgn	nttctnnatc	ctccannnct	360
ntcanntage	ncngnnattt	tnancattnt	tccaccnntc	gctngcntaa	tttcnnnnnt	420
tatgattttt	nttcaccggn	gtctctttcn	ntcnctntn	ntgccngnct	ctcctnnncn	480
nnnnngtncc	ctantntgtn	taccncanca	tctngttcta	cnntcaacat	ttgnntntng	540
nnattaacat	tnngtctgtn	tcancctcgn	tncttcannt	nttannctnt	tgnnnecgnan	600
tcngttantt	cttactctcn	cgngnctann	ttgtntgatn	nttatcgatn	tcacctcnat	660
acacntatna	agancnctcn	cgnaatacta	nctnctnana	tanctgatca	cgcnnngcct	720
nntgnttnta	atactcaacg	tcaccnttat	ngcgcnataa	nttcnnanct	tattgacagn	780
acattatnat	nanntatann	ttatactnga	ntnatctagc	tcgcctcaca	nttanancac	840
nntnecgancg	tnttnnnctn	ntnnatnatc	tntcnntcnn	tattatctcn	atcccgnecta	900
tatnnattnt	ttngnnnanc	ttcatacnct	cnanactctc	atnacnnctn	ctcncttcna	960
atgcntncnn	gcttntgatn	tngetcanaa	tcaccatctn	attatctcat	ntccgttctc	1020
ctnntacnat	ntntatntcn	ttagnccctgn	ncc			1053

<210> 4599

<211> 1053

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1053)

<223> n = A,T,C or G

<400> 4599

gtgnccctccc	ntcctttttca	annnnntngg	aantctcnct	cgtntnttcg	tgcnnnccgcc	60
nntgtgatng	cangantact	gagatgggat	ncnnccccag	tngcccnttn	ctgggtctect	120
gagctcaaan	cnggncagat	tgtnnggatt	acagntgtga	ncctcccntc	cnnngctgnan	180
atggacttnt	taaaaaaggn	ctctnttaaa	gtannaagga	nggntgnant	tgantnccca	240
nnangacnaa	aacngggngt	aaaaaccatc	ntaaaaggct	gnnatnnnat	ggngagctann	300
tngntccnc	ngnnaccttc	ngnccccngg	nanctnntgn	nttctnnatc	ctccannnct	360
ntcanntage	ncngnnattt	tnancattnt	tccaccnntc	gctngcntaa	tttcnnnnnt	420
tatgattttt	nttcaccggn	gtctctttcn	ntcnctntn	ntgccngnct	ctcctnnncn	480
nnnnngtncc	ctantntgtn	taccncanca	tctngttcta	cnntcaacat	ttgnntntng	540
nnattaacat	tnngtctgtn	tcancctcgn	tncttcannt	nttannctnt	tgnnnecgnan	600
tcngttantt	cttactctcn	cgngnctann	ttgtntgatn	nttatcgatn	tcacctcnat	660
acacntatna	agancnctcn	cgnaatacta	nctnctnana	tanctgatca	cgcnnngcct	720
nntgnttnta	atactcaacg	tcaccnttat	ngcgcnataa	nttcnnanct	tattgacagn	780
acattatnat	nanntatann	ttatactnga	ntnatctagc	tcgcctcaca	nttanancac	840
nntnecgancg	tnttnnnctn	ntnnatnatc	tntcnntcnn	tattatctcn	atcccgnecta	900
tatnnattnt	ttngnnnanc	ttcatacnct	cnanactctc	atnacnnctn	ctcncttcna	960
atgcntncnn	gcttntgatn	tngetcanaa	tcaccatctn	attatctcat	ntccgttctc	1020
ctnntacnat	ntntatntcn	ttagnccctgn	ncc			1053

<210> 4600

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1020)

<223> n = A,T,C or G

<400> 4600

tntaatccctt	cttncatntn	nttnggaatc	nnantngctc	tatngcgctt	gggcnatgg	60
-------------	------------	------------	------------	------------	-----------	----

atgccggana	actnnnatgg	gatttttccn	acgttgccna	ttctggncnc	ctgagctcaa	120
agcaangcng	gattgctngg	attacagctg	tgagccancg	ngcctggctg	anatgacttt	180
tanaaaaaa	ctnctntaaa	gtagaangaa	nggtggaatt	gtatgcacaa	naagaaaaaa	240
acctgnaaga	aaaacatact	aaagaggctg	gantgcaatg	gcncgatctt	ggcncaccga	300
aacctcngtc	tccngggctn	aagtgattnt	cctgccnnag	nctcccaggt	angctgggat	360
tcaacnnatg	ncccaccann	ccnggntnat	tntgaatngn	tantntcnga	cctgttcctc	420
tccatagant	ggntcncgga	anntctncca	tnttcnntga	nctacangnn	ntnncnannc	480
tantanntnn	ntcnctctan	tnnngntact	ntnnanntna	tcatnttnaa	ntggntctct	540
atctcnantt	cactaatngn	cctngnacna	tnattancgn	naccnctat	aaaatacaca	600
tnctngnttc	nnntnanata	caatnacatc	cntngtgagn	cactnactna	nacngtgatc	660
tctcgcantn	tntcnatcnn	nccnccatat	ncccanggca	catctatntc	agatnnaact	720
canctngtan	tattnagana	cnctcgacnc	actntctggt	atacttntnn	cantctntaa	780
tagagntntt	ncganncnnn	cttctgntnn	ncnanacnac	attntntgt	tacatcntnn	840
atatngcctc	tnattntanc	ntcgtannnc	attntncnnt	tctncnctca	ttancnntnn	900
tancantcnt	cncncnntat	ntaaanncgt	ncacacagtg	cnnnttatnc	accgaannta	960
cntnnacntt	atcacataat	cnctgagttn	atatactcnn	gttnttctat	tcnctatccc	1020

<210> 4601

<211> 1081

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1081)

<223> n = A,T,C or G

<400> 4601

ttnaaccttc	accacgggtc	angatccctc	gattcgcaga	acccaagagc	aaaagcagcc	60
ttcactnact	gtcccatgaa	ncaaaaaattg	gatcttttct	aagcaacaga	aacttttagga	120
tggcnangac	aaaagctnng	ncttnttccn	tntganntan	natatgnaat	ggagattctt	180
tctnatgngg	atcccattcn	gttagccnta	aaaannncat	acngcnnnn	cggaatngga	240
ccttagcaaa	ccaaatgcgg	naaagcctga	tggncgaatt	ngaangangc	cactgncccc	300
ttaaaaaatt	gagcctcnnc	cttnccctgg	gcgggnaaac	ccccctcctt	nttnaaccgc	360
ttcttnttag	ntcaaaaagn	gnggtaaatn	ncccggtttt	cttatagnat	cttgntaacc	420
tntatccttt	gtttgaacaa	cttttcatec	cctnttntnt	ccccgggnaa	aagncttctt	480
aaaaatgggn	gggncctttt	cnttttantg	gatttttcca	atnnttaaac	ngcttttaat	540
cggnttccct	aaggananc	cgggaaaaaa	aaaatttgan	tttnggggga	agnaagnatt	600
tccaacggna	aagaancctt	ttcccttggg	nggccaaaat	atttnatgga	cnctttttta	660
ttttccccc	cttttgtaa	aaggnccttn	ggaantggac	ccccttctnc	cacctttaaa	720
aanacctngg	ggctnggtcn	tttgcccaaa	ccataanaag	ttgggaatag	ctatggcccg	780
ggtnttttaa	anccttgng	gaaaaaaaan	gggttngcc	ntttnttttn	cncnccgtaa	840
tttnnaaagg	gggggggttt	tttttctnc	ntttttaaac	caaanggggn	cccaatttng	900
gggaacctgg	gaaaccngg	gtttccccc	ttttttttt	ttttttttt	ttaancaatt	960
aaanaaaatt	cccacanttt	nttttttttg	ngnaaaangg	ttntttggga	acccccctt	1020
ttattanggn	gnggggcccc	tttgggnaaa	aanattnttt	tntttnggg	cgnaaaaaaa	1080
a						1081

<210> 4602

<211> 1046

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1046)

<223> n = A,T,C or G

<400> 4602

cgntttttaa	cncttnnact	cccgtgcttn	atgccgance	acnctgactt	aactggcgcg	60
ngatgtgtgc	tttngtnagg	catcactttt	cccaagnatt	tcatgttcat	ngtaaagagg	120
aaaaatacan	atttctctat	aatgtctcca	ctnattggct	aantcgccac	ttntcatctn	180
tgtgggaaat	gccangtttt	gaantcaagc	cttcnnnaat	tngaacatt	ttntncaang	240
tttattcccc	aattgcgggn	ggaanatccc	tnacctggct	naaaaatnaa	atttctttaa	300
cccattngga	aattngcnta	aggnnccaaa	anaatttttg	gcnctggcct	ntcttttaan	360
ggnccttttt	ncccaaaaaa	nggaaatttg	gcccaaattt	cttggnggga	cccctggnc	420
aacncctttc	cccttgga	ccnaagnccc	ccggggaccc	attggccttt	naaanaaaat	480
gggnanttng	gncccnanaa	aaaaacnccc	cctngggggg	aaaaanttta	aaanngggnt	540
nggcccnntt	taaaaccaaa	gnggttgga	aaaantaagg	nncccttacc	ntaattttna	600
acagnttanc	ccttttttgg	tcctgggaac	caaattggng	gnatnaaagg	cggaaaataa	660
atttgggaat	nccccacccc	caattntngg	gaanagtnat	ttggncnttt	ttnaaacaat	720
ngggaaaaaa	tctttaaggt	ccnaatnacc	cctggggggc	ttggaaagtt	ttttcaaaaa	780
nggatttncc	aaaaccctaa	cccttcccc	aaaaaaaaag	gggattccaa	ngggtttant	840
tnccctcaaa	tnccggtanc	ctgnccctta	aattattatt	aaaagccacc	ctttcccgga	900
agaatccaaa	tnccgnaacc	anagtttaaa	aaaanccaan	ngaagccttg	ggncangggc	960
agttttanaa	gaaaatggcc	cnaacaaccc	ccggttttgn	aaaaaagagg	accnnggggt	1020
tttttttttt	ttnaaaaaaa	aaangg				1046

<210> 4603

<211> 891

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (891)

<223> n = A,T,C or G

<400> 4603

ttcatcctnt	ntngcttttg	tgcagatncc	tcgattcggt	agtgtgtaac	tcctaaatta	60
gaacactttg	gtatctctga	atatactatg	tgtttaaatg	aagattacac	aatgggactt	120
aaaaatgcga	gggaataata	aaagtgagga	ggcccttaga	tacagaatcc	aggctcaatg	180
gataaatgtt	tttggccctt	cccaccccca	tcattccagna	gttgggaaaa	aaagtgatgc	240
cgaatatacc	caactcttcc	ttttggtacc	ctaccatttc	tggtaacctc	tgggttttgg	300
aaaaattccc	atcntaccaa	aggaaacagg	cattagcctt	ttgggtattn	ccccaaaant	360
tacccccant	tanttcaaaa	aaaccaaaaa	taggtttcaa	ttcaaaaatg	ggaatttttg	420
gnaaagtttg	gaaagaatcc	ggtacctttc	ggtttggggg	tttttaaaaa	ttccaagaac	480
caccattgcc	ttttggagga	aattttttaa	ccaggaattc	ccctttnttt	tcaaccctta	540
ccggaatttt	cntttcttta	atggaagnaa	attctggcnt	caagaaacaa	cccttaccac	600
ccnttccaag	aaaggttaac	cttnaaaant	ttcccagaaa	agaatanttc	ntnccagcnt	660
ttttntcaaa	aaataccaac	ctccaaacct	tagcttnctt	ccaatagcca	atttaaagcc	720
gtgccncccc	agtnaaaagg	ntccttaaac	atggacagaa	catncgagat	gtcagcaaca	780
aagaaactga	aattccgttg	atctatncac	acagaactgg	aaaaaaaaaa	aaaaaactcg	840
gcctctanac	tatagggggg	ccgattacgt	aaattccccc	ccagggnaaa	n	891

<210> 4604

<211> 877

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (877)

<223> n = A,T,C or G

<400> 4604

tcgnttngac	tnttgaattt	ngaagccntg	cgngaaccct	cangacncan	ncgnnnccgag	60
nggnantggn	cccnatnctn	agatttttct	ggngnngantg	catgnggtct	nnnaaggcgg	120
ntnctngaag	aaccctngnt	tgaattacna	nagagngccn	ngnattnnaa	gccaatatn	180
tggcnngcgg	tgtccattaa	ttntatancc	nngcnanaca	gatgacactg	ttttaaggaa	240
atggngccna	acccaanceg	ggtggaanga	atgaatnnca	agantnggtc	tancggggan	300
ttttttaaag	acanggtctn	actctgttgc	ccatgctgga	gaccaatggn	gcaatcttgg	360
caganttggc	tgatagttat	ccttnggctn	ccgnaantnn	cggnnaccgn	gaaccccata	420
gccgttaaga	aggtnaggcc	tntggaatga	aaccgtttnc	cancaaacna	aaagagctga	480
ctgnnaaacn	catcccacta	antggaaccn	nnnccggctt	ntnaanncnt	cnntnattna	540
ncctggacct	ggccctaggg	ggaaanaaaa	agntgccngt	tggcnaaang	gaggntnctt	600
ttnttttggn	naaaciaaagg	attnccggnt	tgaannccct	gtccncaga	tgtntcntaa	660
aggaccccca	taaaaccngg	gnnccgncca	aggggaggnc	cccgttgga	tnttnggagg	720
attccttttc	cccaataaaa	actnttacc	agnttggnng	agcnnngcng	ccaaccctc	780
cccgnntnan	tcnttnaaan	cnctctctng	aacnccctc	nnnatntgct	cccatttnaa	840
ngnnccta	at	ggggtttttt	ttttnttnna	nnnccct		877

<210> 4605

<211> 854

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (854)

<223> n = A,T,C or G

<400> 4605

nnatcanttt	atcangcttt	ntnntcnntt	tgcaggatcc	catcgattcg	catctggcnc	60
gaggngccat	aantcattt	tnaaanngaa	ttntttttta	ntggangana	tnctntcgnt	120
nganttcngg	ctttntgang	gnagcggnta	gnnantcnan	acacacttnc	tnnacattaa	180
tggganncgn	gcctganctc	ggganctncc	aaaangttng	nntttcctac	gaatganac	240
nccntggnt	gnngggaatn	cgggcgantt	agnctgcna	tggtgacatt	attntncta	300
tataacanta	ttgttgcnt	ncctaccgna	gnnnntnnac	cctgnantgt	ggcactnccc	360
tncatatcca	nanntectcc	gactgtatat	gccttccgtg	cngcatacaa	nnnangccta	420
tancttaann	gnaaccanan	nnntgnggaa	nggatganc	caatacatgt	gnncattntt	480
ncatgngtgt	tcnncatgt	ggncttcgaa	ntcangctt	tggaaaccag	ngtttcacgn	540
gacaatgana	cctttccatg	cttntntgcc	cncaatntn	cctcaatttn	nttataanca	600
aaaaattttt	nntntatttt	canaaggngg	tccagtantt	ttnttnacat	ggganngact	660
ttaaaattnc	ctaagcaagg	ggaanccatc	ttttaangan	cattaanttt	ctntgggggg	720
anaatccaaa	ccanancctn	gaaccttttt	tcaatgaact	tntngcaacn	ttattttttg	780
agcanccaat	ttttttcggt	tgaaattccc	aaanacaaat	tgtgttttag	aggnnnnaaa	840
aaatcncttc	cnct					854

<210> 4606

<211> 1401

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1401)

<223> n = A,T,C or G

<400> 4606

ccttttgaaa	tttttnnaaa	atttcnnttt	accnecgggtt	tttttttnaa	tgggccnecgg	60
gaatcccccc	natnecgggaa	ttttccgncn	tncccttctt	gggaanagga	aaaaatnaaa	120
tntnngagtt	tantggccca	cnataagggg	aatccaaagt	tngccaaang	tttanatggc	180
ctgggtntng	ttgcntccca	actggaacct	gggggtttcc	caagggggga	acccccggg	240
aagaacccta	ncccaaactt	gaattttaan	aagaatggaa	gaaagngggg	gtttanctgg	300
ggtcaagaat	ggaaacaaat	ncctttccac	tnaatgggcg	gtggaaatgg	gcccttttaa	360
ccanggaaga	atgccttttg	caggcaangg	aaggaattgg	ccaagaatgg	tccttggtct	420
tcacaagta	ntccattggg	caggncaaaa	tggaaacnatg	gtcggaatga	aataatgggt	480
tncccccnaa	aaatcattan	ntagtnaac	nttttttggg	ttnggaaanc	cttccttggg	540
gccnntaaat	taaaagaaaa	aaatggnaaa	gaatgaatgg	taacaagaat	tanttggtca	600
aaccnngggac	cttncttcaa	agccaagtaa	ntttaagtng	gaaagtctct	cggaatttgg	660
aaaaaaaaanc	cntttaaaaa	aggnaaccaa	attttttccc	aggnaaaaaat	ttgggaaaaat	720
naccttggtg	aagnaaaaant	ttccttggtg	tttcnttttt	taaaacaaag	ttaaggccca	780
aggggggnaa	aaaantgggt	tttnaaaacc	ttanccaagg	gggttgggaa	cccaaaaaaa	840
aaaaaaaaatt	ancccccccc	aaggggnttg	naaaaaaccc	aacctttggg	gccttttttt	900
tgggggttaa	anggaaaaaa	ttngggngg	gncccaaggg	ttcccanntt	tttnaaaaaa	960
aaaagggtcc	naaaaaaaaa	antttttttt	ttttttnggg	aaacnttttt	ttttnttttt	1020
tttttttttn	aaaaaaaaagg	cccccaaaa	aanggggnan	ccccaattta	agcttttttt	1080
tttnaaaggt	ttttttttta	aaaaggnccc	ccacntttta	aaaggggtta	aagcnaaatt	1140
anttttttta	aggggggggg	ggaaaaaatt	aaggggttcn	aaaaaaaaaan	tttttttaac	1200
ctttgggttt	tggaaaaaaa	aaaaaaccca	aggctttggg	cctttanttg	gttgggcct	1260
ttttnttttt	taacccccct	tgggttttcc	ttgggttttc	cccaaaattt	tttttggcct	1320
tgggggaatt	tttnggggaa	accaanttaa	agnncccan	tttttcccnt	tttttttggg	1380
ggggggaaaa	aaaaaaaaanna	n				1401

<210> 4607

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (788)

<223> n = A,T,C or G

<400> 4607

ngnnnnnnntt	tcnaaanccc	ttttcnaatn	ccttggttat	ttgatctcct	tgcangatcc	60
catcgattcg	aattcggcac	gagaccctct	ctggccacat	ggaggcagtt	tcctcagttc	120
tgtggtcaga	tgctgaagaa	atctgcagtg	catcttggga	ccatacaatt	agagtgtggg	180
atgttgagtc	tggcagtcct	aagtcaactt	tgacaggaaa	tnaagtgtnt	aattgtattt	240
cctattctcc	actttgtaaa	cgtttagcat	ctggaagcac	agataggcat	atcagactgt	300
gggatccccg	aactaaagat	ggttccttgg	tgctcgctgtc	cctaacgtca	catactgggt	360
gggtgacatc	agtaaaatgg	tctcctaccc	atgaacagca	gctgatttca	ggatctttag	420
ataacattgt	taagctgtgg	gatacaagaa	gttgtaaggc	tcctctctat	gatctggctg	480
ctcatgaaga	caaagttctg	agtgtagact	ggacagacac	agggctactt	ctgagtggag	540
gagcagacaa	taaattgtat	tcctcagata	ttcacctacc	actttccatg	ttggggcatg	600
aaagtgaaca	ataatttgct	atagagatta	tttctgtaaa	atgaaattgg	tagagaacca	660
tgaaattaca	tagatgcana	tgcnгааagc	cagccntttg	aagttatata	atgttttcnc	720
ccttataaca	gcttaacgta	ttactttttc	ttatttggnt	tatnataana	nagntnggtt	780
antaaaaa						788

<210> 4608

<211> 793

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(793)
 <223> n = A,T,C or G

<400> 4608

tgntcnccta	gggaaaccct	anngaaaagc	cnccanntt	tggnnaaaac	tncgctnca	60
ntgacgtcca	cacaccctnc	tcgggtagag	ntcattttgt	ggcaacggaa	tgcnccggnc	120
aaacagnagn	gnatnttnnn	ggcacagaag	gccngngcca	ntttcatgga	cacctggctg	180
gacctcngng	gaagngaact	ncgataagat	gngtgcgttc	actgcagnac	ctcacantga	240
taccgtccnc	tctaattgaa	cngancctcc	ccacatgcac	ncnccactca	aanggagntt	300
naaaggctgg	gttcagggtta	caggggcgtt	ttcttcaccg	tctgaatgcn	ggaagacaga	360
ntacnagctc	cagaggagcg	ngggcgggag	acggagctga	natgcngat	gtctaggaaa	420
ncgtcctcgn	attcctnagc	gcgggcngcn	ngactgntcg	cggcccttgc	ctgncttnca	480
ngagcgcttc	aacttnnncc	aacacaccen	cggngctgat	ttccctnnct	ccggcggcct	540
gcacacccca	acnagcctg	actnggangg	ctcncctnnc	cacacngacc	ntganttnng	600
gnncaagtna	cancctgtnc	caaantaccg	nttaatncca	aaagngnacc	cntgaaaagg	660
aancggnccg	ggncctntag	ccngngntnn	ancnggancc	gggnnnncnn	ngngnangnt	720
ngaaaggggt	cncccgancg	nttntcgnc	ncctcgatn	natgcntccc	cnggcantag	780
ncnactcan	ncg					793

<210> 4609
 <211> 1104
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1104)
 <223> n = A,T,C or G

<400> 4609

nncnaaaacn	ctttnnnctc	ccgttctttt	tgcaggatcc	catcgattcg	aattcggcac	60
gaggaaaagg	gacagcgtgg	ataaaaaggt	tttttaaaaa	catgggatgg	ttaaaggctg	120
gtttttgctt	tggaagaaa	gaacttnggg	gaactggggg	ancaggtctt	ttaagaatat	180
ttaatttggg	aaaatgcctg	ggccacctgg	tcctaaccct	gggaatcccc	aaggggcttt	240
ggaanctaag	ggaattttga	agggaaagtt	caccaagggg	aaagccaaga	atttccaagt	300
cctggacca	ttttatttcc	antgccaaag	gttttttttt	gggtgcctgg	taagtatta	360
ttgaatggaa	aaagaatggg	aaaaagcctt	gaaattaaaa	ggccatttaa	ttttcctgcc	420
ccctaagaag	tttggtttcc	accagcccc	taaattccaa	gggccattaa	tggaataat	480
ggttaaaaac	caaatggaac	ctggtaaac	cgtnggttta	ttacgaatgg	tnaaaggan	540
ccaaaaaatt	ttaaaaaaaa	angggggggg	tttttttaaa	naaaaaaann	gaagggccat	600
taaaagggaa	nccccctcca	aattggccaa	nangaatttt	ggaaggggac	ccanttnaat	660
ttttttta	ttnttggaag	cccttttaaa	aaaaagaatg	gaaattaagg	ggtgggttcc	720
ttccaangga	aagggttaagg	gggaatcctt	gggccttggg	aaaangggga	aaattaaatt	780
cctggaggcc	aaaaaggggt	aattgaaaa	ccaagccctt	taatngccnn	tttaagnaag	840
naaaaaaaa	gggttccctt	ttttaaattn	aaaggggcaa	tttttngggg	ggntttnggg	900
gggggggaaa	ancccttttg	gnaaaaaaa	aagggaaaaa	attngggggg	naaanccctt	960
nggggtnc	acccaacca	aggggggncc	cccttttggg	nggggttggc	ccccnaaaa	1020
acccttaaaa	aggggggggg	tttttngggg	aaaaaaaaa	atnaaaaaa	tttngggnaa	1080
agggggccca	aaaaaaaaa	aaat				1104

<210> 4610
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (785)
 <223> n = A,T,C or G

<400> 4610

ggncctttgaa	acccttggtt	acntgccctt	tntgcaggat	cccatcgatt	cgantnccgn	60
ncnagctana	cctcntatga	gggtnnctn	cagggetacn	gtgattacat	gnatgtntat	120
nctggnnngt	agccgctant	ganttgatat	ctgncagggt	nactcctaga	gtcnngnaac	180
cgcgtganat	ctgccgccc	acctnagcat	gnatntgagc	gtctatcaca	nctnnnngan	240
actgggatnc	acatntatgg	anttgnnctn	gacaaatga	tatanntgnt	ntcntntant	300
cngantaant	ctaattttnn	gntatgtnta	nngganctc	atacctgtac	aagacgcnc	360
tagcntgant	gnctangctg	ctnaccacat	gtagggnattg	aaannggtta	nnntagacca	420
tgnacannnt	gtgcctatac	ttaaaagatc	tnttgactan	atgctgctcc	ttgtagtacn	480
nnaccctga	tctggncacc	nctggtnant	tantgctgtt	ngccnatna	ggtacggtag	540
tttnganang	ancatanctg	gcgctacgnc	nggccttan	ntganccncc	atanacatcn	600
nctattattg	ataccngccc	ttaggatnag	gcngtgtcaa	atggatganc	naccantagg	660
cnantnttgg	tntcgtacna	cttggaacg	cccttagagt	aatnaaangg	gaagntgaaa	720
cnggggcntn	gggaaattan	acatcgttgg	cntgangcnt	aggcttntcn	atntttggan	780
ngann						785

<210> 4611
 <211> 818
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (818)
 <223> n = A,T,C or G

<400> 4611

gatntntttt	tcaaanccgt	aggctactcg	ttctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	gaaagctcat	taccagtagg	acataatttt	tggctctccc	tattcacaac	120
cagtgcacag	tttgacacag	tggcctcagg	ttcacagtgc	accatgtcac	tgtgctatcc	180
tacgaaatca	tttgtttcta	agttgtgttt	attcctggag	tgacatgcc	ccccgaatgg	240
ctcactttca	ctgaggatgc	tgctctctga	tttagctgct	gcctccagcc	tctggcttga	300
gaacttacta	aaggcacttc	cttctctgta	aaccctgtt	aactctccat	aaatttggtg	360
attctctgct	aggcctaaga	ttttgagtta	acatctcttg	aagccaaact	ccaccttctg	420
tgctttttgc	ttgggataat	ggagtttttc	tttaganaca	gtgccaagaa	tgacaaagat	480
ntttaaaaaa	anagaaagaa	angnaaaaaa	aaaanccct	nactttttaa	agnaaaattn	540
cctnacnagg	atnttttaan	tatnagntna	ttctttttacc	canttttct	tttntctant	600
tcctnngat	nttttccaan	ctnaanggct	gggnattttt	aaacttcant	ancttggtga	660
aagacaaaaa	ggtgggtttt	tgganttnag	naaatttttt	ggaaaatctg	gcntaatnct	720
taaaatttgg	aaaaaatttn	nggaaaattc	cttaaaaaaa	taaatntnct	tattaaaaaa	780
aaaantngng	ccttttagaa	ctttngngng	cnttttncn			818

<210> 4612
 <211> 817
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (817)
 <223> n = A,T,C or G

```

<400> 4612
ttcaaattngc ttggntctng ntctttctgn angatcccat cgattcgaat tgtgactnat      60
ncnaggataa atgtnatatg cgtatgattn tgatatgact ttgatgagnn tcttcaggga      120
aaattnctna aantgaaatt gctggattaa ngggtaaatt catgnatagt nttgntagac      180
aggncacann nncnccctta naggtngtnc ccttttgtgt tcctgccann natatntgag      240
agtnacnnga ntatgtggtg nanctntata atgcttgctc atctgatang gaanaaatcg      300
agtatgcctt aatntgccct tcttttatta tgaatcagat tttaatnttt tgcctctaga      360
actatagntg agtngtatna cgtagatcca gacatgataa gatacattga tgagnntgga      420
caaaccacnn ctagaatgca ccgaaaaaaaa tgctcnattt gtgaaatntg tgatgntatt      480
gcttnatttg tgaccattat aagctgcnat ntncaaagtgn acaacaacaa ttgcattcat      540
tcnatggant caggttcngg gggactgtgt gnggatgggt ttntaatcga acggncacct      600
gtgccaaatg cattggngcc ccngggaccc cagctttntg gatncctttt acatggaggg      660
gttnaatatt gccnccttg ggcngttaat cacttnggnc cataagccng gtttactgg      720
tngttgaaaa tcggtanttt nccgtttcac caaatttccc cacngggnat tttctagccg      780
nggnagcctt caaaatggnn anagcccttg gggggnc      817

```

<210> 4613

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (770)

<223> n = A,T,C or G

```

<400> 4613
gtttnnnnnn nttnnnnnnnt tcnaatngct tggntactng ttctttntgc aggatcccat      60
cgattcgcctc aggcttgagg ggaagaacaa gctacttggg agttaatgga tgatagctgc      120
tgtggccatt tttcttaaga gttagactgg ggagatgggt ttggaaagta aaatgcaaat      180
ggtgggtagt ggtattaggt ggtgatgccc aaggcgtgct gtagaaacct gcagggtgaa      240
gcccataact ttgtttacgg gaatggggta actgaatcct aaactagcta ggggagatag      300
ggatggaaaag agcagatgtg gaggttgggg agaaggaggt gacaggagat atatccagtt      360
ccagaggga tagggagagc tgtgtggcta agatttaact gtttggacat ttaatttggg      420
gaaattgttt tccagccaag tgaataaata atactggact tcaagtncaa gcttcataca      480
ggaagtgaag ttttgggtgt gagatagctg catagtcagg gaacactcta aattaaaaat      540
agggaggccg ggcattggtg ctcatgcctg taatcccagg actttgggag gccgggcaga      600
tcatgggatc aggagttcna agagcaccct tgaccagcat atttgaaacc ccatctnact      660
tgaaatncna aaagattacc cggcgtgggt gtgcacgcct gtatnccact tctcnggagc      720
tgngcangaa aattgcttgg ccccgagggc gtggtgcatt aaccagttc      770

```

<210> 4614

<211> 1253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1253)

<223> n = A,T,C or G

```

<400> 4614
ccccnagttt tcnaaaaanc cccncagttt tggaaaange ccctttgtnc tanacagggc      60
catcccccaa tcgcatttcc gnaaaaagng cgncgcagna nggacttggg nnnccgctgg      120
acnccngnat annntcgggc aacacactgt cgnggagagt tttntnnca gggccgggtt      180
taattacagc ctcangggta cggaggggaa aaacnanggg ggaanattgg nanannccgc      240

```

```

caaanggggat tttgggggna aagnaattaa ncccaccana ngntntactc ngncnnaccg 300
gggccaaatg cnaggaaatg gggaaanacc tttccgtngg ggcaagcccg ggnaaccatn 360
gagcgnngga ccanttatgg ggcggggacg naaacctacn ggnccaaaca anggccacct 420
gcttanggaa actaggganc gnttaanaag ancgcganen aagcccgttc ncnnaacctt 480
tgnttgnnnn annaatgggc cntgggggnc ntncacacg ggnggnntaa annngnanna 540
nngnntttaa acaanncccc tcaanggggt aacccgnaac caacctntgn cacnggggnt 600
annnccnnna aaaanancec acacagcgat acnncgggga gaaaaaattt ntaannntt 660
nnaanacca atngccatnn aaaacncntt gcccaaacng ggaaaaaann gcccccgga 720
atntancaac cccangtagc ccanaattn ccccaacgga gngggcccca antatctgnt 780
agggnaatng nggnattngg cmnttnnaaa nggnaanata cnaccgnttt gngnggcnn 840
aanatggggg ngaattgcaa aagngnantt tggncaaaaa ancnaaaaaa ncgncctnt 900
tttnnncnan canggggaaa nncctcnagg gcaaccnata ccnancctgg nataagaaag 960
tcctngggnn acctnanaag ngngntccc cccganaaaa aaaacnaagg nggttancgc 1020
aannccaatt cccccggngg atattggaaa aaaacngggg gaanaaaaaa aaaaanggga 1080
agngcttntc canggggggg naancaattg gntnaaaaaa ccttttcncc tttanangaa 1140
aaccnttnt caaaaaanct tntaaanaaa aanccaatnn ttatncccc ggaannccaa 1200
agnggtnttc aaaatacnng gancattaaa ccgcgnnatt atcccntnaa aaa 1253

```

<210> 4615

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (757)

<223> n = A,T,C or G

<400> 4615

```

ttcaaacnct nggctcttgt tctttttgca ggatccctcg attcgaattc ggcacgagge 60
gcaatcgag cggctggcgt agggttgggt gactgtcact gccacctctc cgccccggac 120
tttgacnagc atttgatga tgtgttgag aaagccaaga agccaatgtt gtggcccttg 180
tggcagtgc cgaacattca ggagaatttg aaaagattat gcaactttca gaaaggtata 240
atgggttgt cctgccatgc ttgggtgttc atccagttca aggacttcca ccagaagacc 300
aaagaagtgt cacactaaag gatttggatg tagctttgcc cattattgag aattataagg 360
atcggttgtt ggcaattgga gaggttgac tagatttctt cccagattt gctggcactg 420
gtgaacagaa ggaagagcaa agacaagtcc taatcagaca gatccagtta gccaaaagac 480
taaatttggc tgtaaatgtg cactcacgct ctgctggaag acctaccatc aaccttttac 540
aagagcaagg tgctganaaa gtactgctgc atgcatttga tggtcggnc tctgtaacca 600
tggaaggagt aaganctggg tacttcttct taattncccc ttctatcata agaaagtgga 660
cagcagaaac ttntgaacaa ttgcctttaa cttctatatg cttagaaaca gattcacctg 720
cnctaggacc ngaaaaacaa ggtaccgnat gancnt 757

```

<210> 4616

<211> 1351

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1351)

<223> n = A,T,C or G

<400> 4616

```

ccnttttttt ngcnaaaaaa aattcnncn tttttngggg ttttaaaaaa nanccecccc 60
atttttttca tnnntttttt tnggnncagt naaaaaann nanantttnt tnagggnnan 120

```

ataaannnnn	nnnannagan	angnnnnntnn	tntntnaaag	tannnnnnngn	ttttnttgaa	180
nnnannagan	agnngnnntt	ttttttntnt	nnnnntanna	gnnttttttn	tgnggnatc	240
atantattnt	nncaaggagg	ggtannntat	tttnnaanga	tgaantttgn	atntnanngc	300
atnnannaan	naaantntnt	natntngnna	taatnaaaga	attnaataat	tanangatan	360
atacntaaaa	aaaganncga	gagcattntt	nttgggattt	ttnatcatct	caaantnagmn	420
annatatcta	tgaatgatan	ttanttangn	ttnataannt	annnnnaann	gtnttatnna	480
annatantgt	nattngannt	gananaann	atctgccang	nangatntna	tnaaatntnt	540
nnnngaana	antnncnagg	cgnaatnata	ttnttantna	ntntntnatt	annaatagaa	600
aaatntnatn	atnatatana	ttntattatac	antantatgn	tnnaaantat	atnanntntt	660
tatactctac	tatatgaatt	attcnnanga	natnaattan	agnntnga	aaatatatat	720
atntanaan	tnattttaatc	tgtannagan	tananaacttn	cnaancatnt	ctatgatata	780
tgananaagn	tatatctctgt	acttaaatgn	atattanata	tgataaatan	anagatatat	840
ataatattat	nacatactgt	tatanantta	tatntatntg	nagtaacnngn	gannaatgat	900
tacttatatn	antattnana	tncnatanat	atnnagggtg	tagtcntgta	naatgtgna	960
tcanngagt	cnnnataata	ntntatctgt	ttatgttgtt	atataattgn	tnngnatatat	1020
nctactannn	nataaggnta	taatttgnga	nnagatgtnn	aantttnatc	tcanagacat	1080
cnacatgcan	atnangtga	anantgtttt	ntatatctca	tangtantct	cntatngatn	1140
tntagctatt	atntagaana	mntanatata	tntnctctnt	atgttnaatg	actcataant	1200
ctatnatgt	ngtacaactn	ncntgtgata	nagngatgnc	tcatanatta	cncnntantn	1260
cngatatata	tagnnnattt	ntatattnat	actctantan	ntgatngana	tattntatnn	1320
acnnanatag	actactatan	taataanatn	a			1351

<210> 4617

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(805)

<223> n = A,T,C or G

<400> 4617

ttctaantcc	attctaaatn	ccagttccaa	gccttngtgc	aggatccctc	gattcgaatt	60
cggccgagaa	gatgcagggtg	aacaggtagt	atcttcccca	gcagatgttg	ctgaaaaagc	120
tgacagaatt	attacaatgc	tgcccaccag	tatcaatgca	atagaagctt	attccggagc	180
aaatgggatt	ctaaaaaaag	tgaagaagg	ctcattatta	atagattcca	gcactattga	240
tcctgcagtt	tcaaaaagaat	tggccaaaga	agttgagaaa	atggggagcag	ttttcatgga	300
tgccccctgtt	tctggtggtg	tagganctgc	acgatctggg	aacctcacgt	ttatggtggg	360
aggagttaa	gatnaatttg	ctgctgncca	aaaatttgct	ggggtgcatg	ggctccaacg	420
tgggtgtctg	tnagctgtgt	tggactgggc	aagcggcaaa	agatctgcaa	caacatgctg	480
nttagctatt	agtattgatt	nggaactgct	tgaactntga	aatcttgga	atcagggttaa	540
gggcttgacc	caaaactact	ggcttaaaat	cctaaatatg	anctcangac	ngtggttngt	600
caaattgaca	cttantaatc	ctgtcctgga	ntgatgggat	tggccttccc	ctcggcta	660
aactatcagg	gtggattttg	gaaccacccc	tcatgggtaa	aggatctggg	gattggcnca	720
aganttttgn	taccagcaca	aaagangccc	cantccttnt	tggcaatctt	gggcccata	780
gatcttncag	gtngatntgt	ncct				805

<210> 4618

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 4618

ccntttcnaa tncnagttat cgcnttttttg caggatccca tcgattcgtg ttgctgcatt	60
ctaagcttaa cctcctgggc tcatggcagt gacttgagct tttgattcat agaagaaagc	120
cagaggttct gcttggtctt gtctgccagc cctcgtcgtt ctttctctc tgctctcac	180
ctctacccca aatacctctg ttcttagtct caaggggaga ataacatcag ggagccccctc	240
atcttcccca gaaggacttc tcgttcctca tgtagttaac tccattgatt ttcctatctt	300
ggtgctgata gctctctaag ggtagggcac acctnccac agccaccctc ctcttcagag	360
agcccccagc cagcagcagg cccctctgcc tgcactcctc aggcctgccc ctcgctgcct	420
cagtgaggca ctagtgccac tgccgtggcc caccgggcca tagctcaagc tgcagcagaa	480
atgccctctca gtggccaaca tgatgaaacc cctgtctcta ctaaaaatac aaaaattagc	540
tgggcatggt ggcggtgccc tgtaattnca gctactcang aggcctgaagc aggagaacca	600
cttgaaccca ggangcggan gttgcantga gcccagagctt gtgctattgc acttgcaccg	660
gggtgacaag anggaaattt gtctcaaaaa aaaaaaaaaa aaaaactnga nncctntaga	720
actntagtga gtcggattta cgtanatcca gacttgatta gatncattgt ta	772

<210> 4619

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 4619

cnnagntcnn attnnggttaa ngccctttct cgcagganga ncccatcgat tcgaattgan	60
ctctnnggctc cngetgnnga nagctancnn gntntttnan acagccnagc angcnnggtn	120
gnatcaccaa ncntgggncc ntacnanggc annatttnng gccngntgna tttggnnaaa	180
agattgnnga anggcaangn ttctgnctgc ccaaggacaa ntgctgatga gcngaatan	240
ctgggnacna annngnttca cctgatnggt attnacctnt ganacacatn ngtngccaaa	300
aaatgggaat aaggnnctga ggnactctca gaggcataat gnactatctg ttcgtctntg	360
atanaggngag gtgnatatgt gannagccca taannagca tatttcacca aaactntntc	420
cctgggtggt accaccttgg tcnaatgtng nagcaattng caaaatngac tangtncana	480
cgatcctacc gtgntctnna ccaactctga tnatgnnnng nncntgtctt cattgcnaaa	540
angaantca ttttgcnnta ntactacttg aacgacttag agtngacnna tctacccatg	600
nagtcttacn at	612

<210> 4620

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 4620

annttacnaa ancnnngnga cntnctcttt ctgcaggatc ccatcgattc gggggcacag	60
gccgagctgg aaggagaatt tggcaaaaag gctnatggct tgctggggat gttcctgaaa	120
cgctcttgt ctgagttat cctgctgcaa gcatggactt cccacctctg gaaaatgttt	180
tatgatgctc ggaagccccg gagtcagatt aagaatgaga tcaacattga caccctggcc	240
agagatgaat tcaacctcca gaagatgatg gtgatggtaa cagcctcagg caagcttttt	300

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ggcattgaga gcagctctgg caccatcctg tggaaacagt atctacccaa tgtcaagcca 360
gactcctcct ttaaaactgat ggtccagaga actactgtctc atttccccca tccccacag 420
tgctcagcta agaactgtag ggaagatgga tgaccttcac gcagaactcc ttttgggata 480
tacatgatgc agaaaggatc ctacatggag agagacagaa ctctctcagc tgacactctc 540
agagattcct gatgggcttt ctcttgaagt ccaaggcgctc tgcattgttt ccttttcttt 600
tgcccacnca tgaatggttc tgggttggnt ttggtttttt ttaataagga atttcccggc 660
tggatttttg tgaaggcctg ttttaaattg gactttactt tgcccttttt ggggtttctc 720
aanttttatc ctanaaacct ttctgacttt tttccatcnc 760

```

<210> 4621

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (612)

<223> n = A,T,C or G

<400> 4621

```

cnnagntcnn attnggttaa ngccctttct cgcagganga ncccatcgat tcgaattgan 60
ctctnggctc cngctgngna nagctancnn gntnttttann acagccnagc angcnnngtn 120
gnatcaccaa ncntgggncc ntacnanggc annattttnng gccngntgna tttggnnaaa 180
agattgngna anggcaangn ttctgnctgc ccaaggacaa ntgctgatga gcngaatan 240
ctgggnacna annngnttca cctgatnggt attnacctnt ganacacatn ngtngccaaa 300
aaatgggaat aaggnnctga ggnactctca gaggcataat gnactatctg ttcgtctntg 360
atanaggna gtnatattgt gannagccca taanngagca tatttcacca aaactntntc 420
cctgggtggt accacettgg tcnaatgtng nagcaattng caaaatngac tangtncana 480
cgatcctacc gtgntctnna ccaactctga tnatgnnnng nnctngtctt cattgcnaaa 540
angaantca ttttgcnnta ntactacttg aacgacttag agtngacnna tctacccatg 600
nagtcttacn at 612

```

<210> 4622

<211> 1526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1526)

<223> n = A,T,C or G

<400> 4622

```

aggntcttgc ttgncccatn gcgaacgctg gaaaccctcg nncaanagcg cgngaaaccn 60
cngggntaaa tgcccacggn nannncacgc nannncccn ttttcncag cnaccacna 120
gggngcngan nagggncntn anangnacac nnatcngaac cantctntna aaggngcngc 180
naaantnnnc tanngtnccg cntnacgagn gggaactgna acccccngn nggtacnag 240
nnacacnaga aaacancnct ngggtnaata caacagccaa cngncanncg nntaannaat 300
tcnncan can aggagagaga cnnagnancg cncacacant nnngncccaa cantggnaaa 360
ccacnagcnc ntaanananc gacccangnc anntnnctac aaganagngg cctcacngcn 420
nanncnncac ntogtnegca ccnatngga accgcaantn ncgaatcann ncnnaggggg 480
ccgccannnc nnacactcgt ntnacngag cngctcana naccntacta natnnngggc 540
gcctngngaa caaaacaaca ngcccacnac cgccntntag nnnccntnna anagatancc 600
gacggganac tctannacgc ganangnacn gtccaaccac tctagaggga aantgntngt 660
nntananaan cnacaanggg tnttcctnnc gcancacaan gccaaaatcn atntatgnac 720
ccatntncnc tccacnggga ncancangga aagaccgagn agcccaanga cnananacng 780

```

nngtanccnt	naaacaacc	anannagaca	nnanggnagn	canaancccc	ccaggcaaan	840
cacnctantn	ngcanaaaac	ccccctaaa	tnancgcaa	ccctttgncg	ncnanngnat	900
cggnngaca	gnnnanann	nnnnnnctn	nanactcaa	aggnancaa	gntnganacn	960
nngcaanaaa	ccagcaccgn	ggtgncnna	cactcnggcg	taccnncagc	gcanntatat	1020
caccaccccg	ggacangaag	gtcncgngng	natatanna	tcncntnncg	gcgacacgca	1080
nctctaaagc	nnnnnagntn	taanangncn	natnntaana	nnangetctc	aaaccnntcc	1140
gcgnnnannng	ncnctannac	tacgcaacca	catcaagnnc	cggnatgcgn	atccanncgt	1200
tcacataaac	ggggngacca	cnngngncn	cnannganct	ntgttnnagc	gnngcgagnn	1260
ntnnnccgan	nngacangac	nannngnaaa	nacgctaccc	tnggcnaang	cacacatgng	1320
tgnaccgana	antctganta	tntncnctn	tacancant	aacnacncan	nagnntanng	1380
aggnaacca	antgaatnga	tannncnncn	cgnaacgngg	annccnnnnn	ganantnaan	1440
ntaagnacan	nnanagnntn	nangcgcgca	nnacctntac	naacnncaca	nnctngcnnt	1500
cnaaaaganc	nacgccnctn	tcnccg				1526

<210> 4623

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(797)

<223> n = A,T,C or G

<400> 4623

ttgtnnnncc	cttttnaaat	ncctttggct	anttgnctcn	tttgcctngat	cccatcgatt	60
cgaattcggc	acgagnnngg	actaccttnc	aaaaccnggt	ngggaagcnc	gttacagaan	120
tgatntctan	tcccctgnat	tctggatgct	gcagaccaac	acctgccnac	aanacncana	180
cacacacann	caancantat	catgtaagac	agnncgntna	ntnnnnnatt	ntnatncttn	240
nncattttacn	cantntttgta	nantggntca	tgngtctata	natnnttgta	antattntnt	300
gananangac	ganantctga	atcttaagca	tatgctccat	cnttnnatat	gctntgggtg	360
agaggctngc	cntnattcat	nttnncatgg	agncaagttt	aatgcctcta	gantacattc	420
tgggcttcaa	gcatncttat	tttnnaactcc	ctgagtgatg	ggtggataaa	tcnaacattg	480
nctnagtggg	ntcaagacaa	ctttgntggg	ggttttgntc	acaatcatga	aaatggttnn	540
gccagataaa	tattttgata	ttagntttcn	tttttnatat	anngcggtag	gtttgaattg	600
nacnttnaaa	tgntntgggt	tgtnaagaca	ntggnttnca	atnnaattta	tnacatgaat	660
tgngnctcc	cccttgngga	aaccttaaag	aantntngna	tacttcttca	taaaaggggtg	720
tgngatttng	naantttcgg	gggttttnaa	ttttntntga	agcttatttc	ntganaatnt	780
acttggnnta	ccaagcc					797

<210> 4624

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(797)

<223> n = A,T,C or G

<400> 4624

ttgtnnnncc	cttttnaaat	ncctttggct	anttgnctcn	tttgcctngat	cccatcgatt	60
cgaattcggc	acgagnnngg	actaccttnc	aaaaccnggt	ngggaagcnc	gttacagaan	120
tgatntctan	tcccctgnat	tctggatgct	gcagaccaac	acctgccnac	aanacncana	180
cacacacann	caancantat	catgtaagac	agnncgntna	ntnnnnnatt	ntnatncttn	240
nncattttacn	cantntttgta	nantggntca	tgngtctata	natnnttgta	antattntnt	300

```

gananangac ganantctga atcttaagca tatgctccat cnttnnatat gctntggtgg 360
agaggctngc cntnattcat nttnnctatg agncaagttt aatgcctcta gantacattc 420
tggtcttcaa gcatncttat tttnaactcc ctgagtgatg ggtggataaa tcnaacattg 480
nctnagtggg ntcaagacaa ctttgntggt ggttttgntc acaatcatga aaatgggttnn 540
gccagataaa tatttttgata ttagntttcn ttttttnatat annngcggtag gtttgaattg 600
nacnttnaaa tgnntngggg tgtnaagaca ntggnttnca atnnaattta tnacatgaat 660
tgngnctccc cttttggnga aaccttaaag aantntgna tactttcttca taaaagggtg 720
tgngatttng naantttcgg gggttttnaa tttttnttga agcttatttc ntganaatnt 780
acttgntta ccaagcc 797

```

<210> 4625

<211> 1133

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1133)

<223> n = A,T,C or G

<400> 4625

```

gctacnagcg gngngaaaaa ntccnccct ttnaaagntc cctgggttaaa aaaaaccccc 60
ctttttcccc ttttttgggg naaaaccncc ccggtttttc gcnnaaaaan nggncccngg 120
ggggaaacnc ccccaanttc ggganangcg caaaaaata ncntggnggn accggngggg 180
ggaagcncnc cncacanncg gagggcacca nttttaccgn gaatantggn nnaggaanca 240
ngncncnntg nttaccgggc gaagcccga caangcnntn tgggtanana nntggggng 300
gaaancngga tccangggnc cncnacgcy cnaanggtag ggannctnaa acaannnaaa 360
ngtggngtcc gntcnaanag ngtnganccc anaaaaaann ncnggtaag nntgcgnncn 420
atacanaaca naacnnggaa gcngatgaaa taaannnctg tcatnanana ngnncancnc 480
acctggnnna cngggccggg aacncnanaa ggnnacanac tcgnagaaaa aanaanntgn 540
ntngggncgg ggccgtgcna gccacncaa aacaananga annngatntn gatnnggnaa 600
agaanaaana ttncnaaaan caaannmana atgngmaata tggggggggg aaggganann 660
cgggganngg ggggggatcc nnatcctctg ttaaaaangg agngngggna ngggggancg 720
aaaaccnngn naagganccc annatgtgga anncaggttn tagnaaccaa aaaaancggn 780
nnatctgnag gngncaanan nancnttant cancccnnga ngccntatn ggngcaaggt 840
ggagaaatcn cnggntaaan agggnncccn ggtgggnagt ggtgaaaaaa ancccanggn 900
aaangacnnc aantngggcc ccnnaggggn angaanangg gggaangnta aaaagtggaa 960
accccaaaan nngngaaaag aaggtaatth tttgnnnaga accntttaan cngagggccc 1020
tccaaaaaaa aaatactccg caaatnancn gaanacntna ctagggggccc annnaganan 1080
aactnntcgn gctananana gtgacatccn ataaaaacgg tntgaacncc ncg 1133

```

<210> 4626

<211> 1195

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1195)

<223> n = A,T,C or G

<400> 4626

```

agggnnnnnn nnnnnnaggg tnnnnnnnnn nnttttttgg gaaaaagncc ccccnttttt 60
ttggggaaaa acccccctt tttgggggaa aatttgggcn cccnncccn ttttggtttt 120
taagggggnnc ccaaaaaann nccccctt nnggggggnn nnaaanannn nnnnnncnng 180
ggnnnnncnnn nnnnnnnnnc naaaagnnnc nnnnnnnanc nnnntggnnn nnnnngnnnn 240

```

```

nnnnntttttt ttgnnnnnnn ccccnannna nnnnnnnngnn nnnngnnncnn ngggngngngg 300
gggncnnnnn nnnnnggggg ggggggnaaa nnnngggngnn anacnnnnng gggggggaan 360
nnnggnnnnn nnnannnnng ncncnannn aancgnnnnn anancnnnn nganggnnn 420
ncnnannang nnnгнаacnn naccnnnnna cnnngngng aannnnngnn gnnancnnnn 480
nnnnnnncng acgccccgc gccgcnanga ananaggcgg ccaacgnaca ccaggaacgn 540
nggcgnnaaa gcagancagn cgaccnnacg nagngcngag agcncnagna angaacngag 600
naggganngn nacgnaccan nnngnaggcc cncgcnnnag agnggcaagn naaacgnncg 660
ggagancaaa angacacnaa acngncannc gaancaaccg aannangggg nccagccnag 720
acacgangca cacngnaann gagnangnnn acagacgaan nggganacgn nannancaca 780
gnaannngcn naaggccncc gganacaang ggacgnnacn gccngnggcc ncaaaggccn 840
gaagaaaann nngcgagaca nncngcngn gncnnngnan aagaggnaga cangggngcga 900
nnnnangggg aaggacaanc aancnaagga gcgcnnngan cacnnnccan nggannagca 960
ncngacaana annnanaacc gnnaacgncc ngaaaagagn annnnagaaa aanngaangc 1020
aaacngaacc ggcacncncc nnnnnncgac ngcagacaga nnagggnncg gncnnaacnn 1080
ngagggnnnn ncgaganaca ncggngaang cngnagnaac cgagnaang ncnannngac 1140
nannngnca ncacncnngn gannggcgcn nanaacgcnn gncncaaaan ncgcc 1195

```

<210> 4627

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (729)

<223> n = A,T,C or G

<400> 4627

```

cttttctaatt gcttggtntn gctctttttg caggatccct cgattcgaat acagccctnn 60
cgntgncgct ggntctgatg gctgggntnt tganncgagn ctctngtgna ngtnacacn 120
cnctcacncg acatattgga cattacacac acactcctgc tcaaattgtg taccatnat 180
ngtggaant tctgnaggcc tnatctctgg ccctanggc ggannnnngcn actactttnc 240
atnaccnnga caccaagggtg gctatggcct ttcnacttn aactacaacg ttggngnggg 300
canannatcn tnattnanna ncaaagctta ncangatagg agagccnnat aanngactgg 360
gaacntactg nnnacanncn atctgagaac tcatgcggca catggtggag ncctatntgc 420
tcgaagaaac tgtgttaaca tgnactcatg tgcnnngctn acactcntng ctgttncntg 480
cnnatngtat acatgtatga cacttctgtc tgtgnaaagt ggaagcattt ctcatcngg 540
ncctatgtct aatnagtnt gacccngnc tgtagtngct aantgnaaca ggnttgatcc 600
ttacnntgaa taactgtcac atnnttaatg agctggagaa aagtagtcca anccttagcc 660
cttctnggga aagtttgccc aacngtntgg gagtncaaaa ttnccttttna ggtnaaggcc 720
cctttntnn

```

<210> 4628

<211> 911

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (911)

<223> n = A,T,C or G

<400> 4628

```

tantangann nntnnnnnnn nnngtnnnnn atcanatnnn nntntntna nngntcntn 60
tntnggggnt naananangc gnnagtnnnn gatttgaaa acnttataa gcttnangc 120
natcnggttt ntncagggnc ccntcgantn gnnatcgga cgagccggan tacgccntgt 180

```

```

ttgggggttat gtgggtcggg gtggccgggtg nttcngcctt cnggggcctt gcngagactn 240
acccttanac cgtcgctgcc cccagctcan ctcttactgc gggcccgnct cnacggggga 300
ccatnctgtc agggactatg cggcccaaac atctccttcg ccaaaagcan gcgccgnnac 360
cgggcgcctc gnggcggnca ttggcgcant ggtggacgtc cannttgatg agggactacc 420
accaattcta aatgccctgg aagtgcagg cagggagacc agactgnttt tggaggtggc 480
ccancattnt ggggtgnang gaaannccna cccaaaatgn ntncgaggac tattgctatg 540
gatggnacan aaggcttggg taagaagccc aaaaaagta ctgggatnct tggcgacca 600
aatcaaaaat ttccttggtt ggtcnccttg gaactttngg gcanaaaatc antgaantgt 660
caatttgggg gaaaccctan ttggattgaa angaaggtcc cnatcnaaaa anccaaaacc 720
aaattttgcc tcccnnctt attgctggng gggccttccc aagaaatttt tnaattnggg 780
aaaaattgga aggnnggttg gaanccnaag ggaaaaattt ttttgggttg naacttgggg 840
tannttcnaa aggggttttg gtccgaaatc cttggcmtta ncctttcccn ttnttgcccc 900
aaangggggg g 911

```

<210> 4629

<211> 944

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (944)

<223> n = A,T,C or G

<400> 4629

```

aaaanncann tacnnnnnna annnanatnn tancnaaaan ntnattaann nntnccgganc 60
ncncnnnnnn cngttgatcc caancttaat caccntngan tcngatatcc ngagccntcg 120
atgcnnnnnt naaacnatnc gnangggnga nccaaccnn ggggtctccna angaacngcc 180
cncggantg accntgnacc ctancaaagc aacnngnccc anctntttga aaggggttcta 240
gggcangcga aaaccnaata agncccttn aaaaccnaca ngaaactngg ccngatccct 300
naanncnccc caagnntgct nccaccntn ggnntnttg cctngnange tctgnaacc 360
ccctgnaaca tnaaggangc naccagnaa aacacaanga cattccnccn ttaacntngg 420
aagnaaaagc cnnanntcta aatacanncc caaccagacc cannttggn ggggtntggg 480
gaaanacctn ngnggggggg gngnaggngg gnntaattaa ngntaanatt antnnccaaa 540
ggntccccaa aggccttgnt tttnnncccc tttnnncaaa aacaaaangaa cntttttnc 600
nanggnctgn nntannnaaa aatnggggnc ccccaaaaaa aaaattncnn tgntanggaa 660
ncaacntagg gcctggncat ncccnttaa tcggggggccn tggaaaaaaa ttntaaaata 720
taaaaaattn cccgggggna ttngnaaaacn cnntgccngg nnaatttggg aangnnnggg 780
gtttctngtt naaaantngg tngnattnga ccccaaaaat ntttttttna ttatncaaaa 840
nnngtttaa ttccnccnca ttcttaaaaa nttatcgggg aancaaaaan natnggnnaa 900
aaaaacccca nacaanttn ggggaaaacc ccnnttanaa aant 944

```

<210> 4630

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (937)

<223> n = A,T,C or G

<400> 4630

```

gttctaagtc ttggaattna atcggttgaa agagctagng attttngaaa tcggtcataa 60
gtagatgttg tggannggaa nnaannntng gatactgatt ttntaagngt ngttgtgnat 120
tggtcaggaa ttgttnanna ngnanataa anttaantna agatancatg cnantaacnn 180

```

agatagaaan	aannatgggg	gagtnntga	tnnnnagnaa	ntataacntn	ataagntntt	240
attnncttac	nanggtaaaa	gattttntga	aatggatnac	tnnntnagtt	tnnatntntaa	300
tatgggttnna	gaancacttt	tttnatgann	catngaagat	tnntnatann	cantatatatt	360
tntaannnag	ancttanngc	atntatggcn	attnnatttg	tgcttttann	taagttttct	420
tggatgnaag	ntatatnatt	nannatttta	tggtanntga	ataganantn	gtangtaatt	480
ttgatgtant	aatagtngnt	taatganaan	ttttntntaa	nannnttant	tnggntnatt	540
natntgnaan	ttntntggng	ntaaataatt	ncnatttntt	gaaantntnc	ntttaataat	600
tngtatatta	accntngaac	aagataatat	aattgnnaac	agntnttatt	naatatnta	660
naatantnt	gaatanngt	anatngggan	ataattattg	gggttnnatng	tanttgtttt	720
cnacgtaana	ttttaatnng	tnaaatntgt	attnnnnaaa	ncttgnntgt	aantnattaa	780
ngaccgccta	natttaaagt	tnnttagtna	ataaattngg	ntttgggnaa	naaaatattn	840
tatatattata	ananatnnna	nnaattnann	tctttaataa	attnanangn	ntntnatata	900
tntaatnata	ttanttataa	nttttgata	nnagnaa			937

<210> 4631

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (937)

<223> n = A,T,C or G

<400> 4631

gttctaatagc	ttggaattna	atcggtggaa	agagctagng	attttngaaa	tcggtcataa	60
gtagatgttg	tggannggaa	nnaannttng	gatactgatt	ttntaagngt	ngttgtgnat	120
tggtcaggaa	ttgttnanna	ngnanataa	anttaantna	agatancatg	cnantaacnn	180
agatagaaan	aannatgggg	gagtnntga	tnnnnagnaa	ntataacntn	ataagntntt	240
attnncttac	nanggtaaaa	gattttntga	aatggatnac	tnnntnagtt	tnnatntntaa	300
tatgggttnna	gaancacttt	tttnatgann	catngaagat	tnntnatann	cantatatatt	360
tntaannnag	ancttanngc	atntatggcn	attnnatttg	tgcttttann	taagttttct	420
tggatgnaag	ntatatnatt	nannatttta	tggtanntga	ataganantn	gtangtaatt	480
ttgatgtant	aatagtngnt	taatganaan	ttttntntaa	nannnttant	tnggntnatt	540
natntgnaan	ttntntggng	ntaaataatt	ncnatttntt	gaaantntnc	ntttaataat	600
tngtatatta	accntngaac	aagataatat	aattgnnaac	agntnttatt	naatatnta	660
naatantnt	gaatanngt	anatngggan	ataattattg	gggttnnatng	tanttgtttt	720
cnacgtaana	ttttaatnng	tnaaatntgt	attnnnnaaa	ncttgnntgt	aantnattaa	780
ngaccgccta	natttaaagt	tnnttagtna	ataaattngg	ntttgggnaa	naaaatattn	840
tatatattata	ananatnnna	nnaattnann	tctttaataa	attnanangn	ntntnatata	900
tntaatnata	ttanttataa	nttttgata	nnagnaa			937

<210> 4632

<211> 1191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1191)

<223> n = A,T,C or G

<400> 4632

tttngnaaaaa	annnnncnag	agggtttttg	ccnaaaaaat	ngggccnttt	gggggaaaaa	60
tttgcaaaaa	atccccnttt	ttggggnaaa	aaggngggcc	nnnnnnnnnn	anngnattnn	120
gangangnna	nnaaatnnnn	nnnnnngggg	ngggngnnan	nannntnang	ngngaangag	180

ggggnaaaant	tanannanna	gnnnnnnnnn	tntanannng	nnnnnnngna	nnanannggn	240
gtttanannnn	nnnnnnnggn	nangnnnnnn	gnaangggag	gggnaanan	nnnnnanana	300
nagggggggg	ggngnanacn	nnnttanacg	nggggggggn	nnnnnnaaa	ngagganann	360
ncnagnnaga	nannananan	gagaannana	naanannann	angagantan	nnnaannata	420
nganaagagg	nnaaaggnac	cggnaggngg	gggnntgnta	nacanntga	nntnggcna	480
ncaacnaatc	anacatgact	gagaatnggn	ntacnaanta	nnaananta	nngagaantg	540
ganggaaaga	ngantcaaga	atanaaagg	acaacatgag	naaanaanga	cacgntatnc	600
gaanatnnga	agaaananaa	anagnccgca	aanatangnt	gaatagnaaa	tnnnnacgng	660
ataatannan	annntanann	nagnnaccat	ctngaagcaa	gagtnactnn	gtnaaacgac	720
antanatnng	agnagagnnn	ntnnnnnnnt	tcnantagn	gnagacnacn	atannantan	780
tgntanaaat	nctncgaaaa	tntaactanc	naanacntat	atgaatgaga	nnnatatcta	840
ntnngagaca	ntncnacgac	nnnnnnngtg	naaaannnac	annannngtg	ntganancnn	900
gatgtgtcac	acacangntg	ntnnactnta	nnnnattaga	cntnangana	nantatccga	960
gntnnannan	naanantnnt	gananatcta	gaaatatnga	tnacanatna	aaananatat	1020
ntctagcnca	tcatgagata	tnncnancaga	ngctgancng	aagatanncg	agagtctacn	1080
tanatncana	ntaactgnat	nnanataagc	annatgatan	atantgncgt	nancnnnagn	1140
taanggagaa	gactanntng	tnatcnntn	gaaancctaa	nanacatgnc	a	1191

<210> 4633

<211> 1191

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1191)

<223> n = A,T,C or G

<400> 4633

tttngnaaaa	annnnmncag	agggtttttg	ccnaaaaaat	nggcccnttt	gggggaaaaa	60
tttgcaaaaa	atccccnttt	ttggggnaaa	aaggngggcc	nnnnnnnnnn	anngnattnn	120
gangangnna	nnaaatnnnn	nnnnnnnggn	ngggngnnan	nnnnntnang	ngngaangag	180
ggggnaaaant	tanannanna	gnnnnnnnnn	tntanannng	nnnnnnngna	nnanannggn	240
gtttanannnn	nnnnnnnggn	nangnnnnnn	gnaangggag	gggnaanan	nnnnnanana	300
nagggggggg	ggngnanacn	nnnttanacg	nggggggggn	nnnnnnaaa	ngagganann	360
ncnagnnaga	nannananan	gagaannana	naanannann	angagantan	nnnaannata	420
nganaagagg	nnaaaggnac	cggnaggngg	gggnntgnta	nacanntga	nntnggcna	480
ncaacnaatc	anacatgact	gagaatnggn	ntacnaanta	nnaananta	nngagaantg	540
ganggaaaga	ngantcaaga	atanaaagg	acaacatgag	naaanaanga	cacgntatnc	600
gaanatnnga	agaaananaa	anagnccgca	aanatangnt	gaatagnaaa	tnnnnacgng	660
ataatannan	annntanann	nagnnaccat	ctngaagcaa	gagtnactnn	gtnaaacgac	720
antanatnng	agnagagnnn	ntnnnnnnnt	tcnantagn	gnagacnacn	atannantan	780
tgntanaaat	nctncgaaaa	tntaactanc	naanacntat	atgaatgaga	nnnatatcta	840
ntnngagaca	ntncnacgac	nnnnnnngtg	naaaannnac	annannngtg	ntganancnn	900
gatgtgtcac	acacangntg	ntnnactnta	nnnnattaga	cntnangana	nantatccga	960
gntnnannan	naanantnnt	gananatcta	gaaatatnga	tnacanatna	aaananatat	1020
ntctagcnca	tcatgagata	tnncnancaga	ngctgancng	aagatanncg	agagtctacn	1080
tanatncana	ntaactgnat	nnanataagc	annatgatan	atantgncgt	nancnnnagn	1140
taanggagaa	gactanntng	tnatcnntn	gaaancctaa	nanacatgnc	a	1191

<210> 4634

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (756)
 <223> n = A,T,C or G

<400> 4634

acttagangg	ntgaagtga	anncccttct	gcaggaagcc	catcgattcg	aattcggcac	60
gagagcagac	gttgaaggca	ttcagtataa	antttttcga	acatttcacc	atggagtcag	120
ggttgatggc	atagcttgga	gccagagac	tagacttgat	tcattgcctc	cagtaatcaa	180
atthtgtact	tcagctgctg	atatgaaaat	tagattattt	acttcagatc	ttcaggataa	240
aaatgaatat	aagggttttag	agggccatac	cgatttcatt	aatgggtttg	tgtttgatcc	300
caaagaaggc	caagaaattg	caagtgtgag	tgacgatcac	acctgcagga	tttggaaactt	360
ggaaggagtg	caaacagctc	atthtgttct	tcattctcct	ggcatgagtg	tgtgctggca	420
tcctgaggag	actthttaagc	taatgggtgc	agagaagaat	ggaacaatcc	ggthttatga	480
tcctttggcc	caacangcta	ttttatctct	tgaatcagaa	caagtcccat	taatgtcagc	540
acactgggtg	ttaaaaaaca	ccttcaaagt	tggacccgtg	ccggaaatga	ttgggtaatt	600
tggggatatt	actcnggcc	agttattcct	caaaataaga	gacccgttca	catggatccg	660
agcctgctta	attcangggg	gnccacaatt	taggggaaaa	tctgggttnca	acccactggg	720
ttatnctg	ccaaaatggg	ccaagnccag	tttnat			756

<210> 4635
 <211> 820
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (820)
 <223> n = A,T,C or G

<400> 4635

gnnnannnnn	cnngnnnttt	naannccctn	tttcaaatgc	ttggctactc	gttctttttg	60
caggatccca	tcgattcgcc	aatggatgca	gganaactga	gatgggattn	ccncacgttg	120
cccaggctgg	tctcctgagc	tcaaagcaat	ccanattgct	gggattacag	ctgngagcca	180
ccgtgcctgg	ctgagatgac	ttttaaaaan	ggactnctct	aaagtagaag	gaagggtgga	240
attgtatgca	caagaagaaa	aaaacctgna	agaaaaacat	actaaagagg	ctggagtgca	300
atggngcgat	cttggctcac	cgnaacctnc	gcctnccggg	ntcaagtgat	tctnctgcct	360
nancctccca	ggtagctggg	attacaagca	tgggccacca	cgcctggcta	attatgtatt	420
tttagtanag	acggagtttc	tccatgttgg	tnaggctggt	ctcgaactac	ccgacctcag	480
gtgatccacc	cacctnggnc	tcccacagtg	ctgggattac	aagcatgagc	caccgtcccc	540
gnctccctgt	nncagnntct	ataatntggt	cntattatat	tctgggtata	tgtnggnngt	600
gtgattatc	atgtgganct	attntcacat	tctttgnatt	aactatnatn	gtccttnaat	660
ggtntaaana	naaagtttca	ttcctacaaa	agnnggtttt	ggtccaaata	accncgggtt	720
ttcaaggtta	accaatcntt	gaaaaaaaaa	accttnantt	cnattntaaa	aaatnaacca	780
ttttaaaant	tngccnantn	ccantttaaa	acattaaaaa			820

<210> 4636
 <211> 778
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (778)
 <223> n = A,T,C or G

<400> 4636

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ttctaagtct tggnttnaaa ccccttttaa ncccttgcac ttgctctttn tgcaggatcc      60
catcgattcg gagaggagca ggtgcagtga ttcataccca ctctaaagct gctgtgatgg      120
ccacccttct ctttccagga cgggagttta aaattacaca tcaagagatg ataaaaggaa      180
taaagaaatg tacttccgga ggggtattata gatatgatga tatgttagtg gtaccattta      240
ttgagaatac acctgaggag aaagacctca aagatagaat ggctcatgca atgaatgaat      300
accagactc ctgtgcagta ctggtcagac gtcatggagt atatgtgtgg ggggaaacat      360
gggagaaggc caaaaccatg tgtgagtgtt atgactattt atttgatatt gccgtatcaa      420
tgaagaaagt aggacttgat ccttcacagc tcccagttgg agaaaatgga attgtctaag      480
ccaaaagaaa gtctaattat atacagaaga taaagctaaa cgtaattatt atttaaataa      540
aagctatttt tttaaatgaa ttgaaatttt tcatgatgct actaatttgc cactaaatac      600
tgcaaatggc caccctgnat ctcttctgac attgggatgt tatttgctta tattcttata      660
attnnaaat gaaggcacag tngaaatgga aaattttatn ctcnatgggt cctgggtatt      720
tttaaatcct taaccancaa aattttgccc ttaantttct ttttatatat accncnnn      778

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<210> 4637

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 4637

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ttnaaaatcg cttggcnact cgctctttct gtnggatccc atcgattcga attcggcacg      60
agccaaaatg ggggtgggag cagtggctca cgctgtaat cccagcactt tgggaggccg      120
aggtgggagg atcacgaggt agggagatca agaccatcct ggctaacacg gtgaaacccn      180
ggtctctact aaaaatacaa aaaaaaaca aaaaaaacta gccaggcatg gtggcaggca      240
cctgtagtcc cagctactcg ggaggcagag gcaggagaat ggcgtgaacc tgggagggtg      300
agcttgacgt gagccaagat cgtgccactg cactccagcc tgggtgacag agtgagactc      360
cgtctcaaaa aaaaaaagaa aataggcaca ataagtaata catttctgcc caagtaagag      420
ccttcccttt tgtggatgta atgaaaatat cttcaagcac tttataaata aattatatgt      480
ctgatactag ccttccattg cctggatcac atctgattgt cctggtaatt tgagaaaagg      540
gtagcccttt ggtatggata gtagcttgat gacatggaat tcanggaaaa gactatgatg      600
gtgtcacttg taactgcttt tgggtgctga aaatggcatg gatttaagaa gagaattggc      660
tgggtgccgt ggcttacacc tgtaatccta cacnttggga ggccaaagtn aggctgcttt      720
gaccagaat ttcagaccaa cctggccaan                                     750

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<210> 4638

<211> 827

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (827)

<223> n = A,T,C or G

<400> 4638

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ttnnnnnnnn tnttcaaact ctttgctact tgttcttttt gcaggatccc atcgattcgg      60
gcgaggagag agaagctcaa gctggagcgg ctcatgaaga acccgacaa agcagttcca      120
attccagaga aaatgagtga atgggcacct cgacctcccc cagaatttgt ccgagatgtc      180
atgggttcaa ntgctggggc cggcagtgga ggttccacg tgtacagaca tctgcgccgg      240
agagaatc agcgacagga ctacatggt gccatggctg agaagcaaaa attggatgca      300
gagtttcaga aaagactgga aaagaataaa attgctgcag aggagcagac cgcaaagcgc      360

```

cggaagaagc	gccagaagtt	aaaagagaag	aaattactgg	caaagaagat	gaaacttgaa	420
cagaagaaac	aagaaggacc	cggtcagccc	aaggagcagg	gggccagcag	ctctgcggag	480
gcatctggaa	cagaggagga	ngaggaagtg	cccagtttca	ccatggggcg	atgacaatgt	540
ttgccacagc	cttntgcctg	gaacctggct	cgtgcttggt	accagaaggg	aaaaggcngc	600
tgttttggct	ctttcttccc	cgcaanggac	cccgnttgac	cccgcccttg	attggaagaa	660
gccaaaaggg	agaacccctt	tttcgggaac	ccggtttaac	aagntccctt	ggtntttttg	720
ggcannggnt	tttngggaaa	cccttgaang	gggccctttt	ttcccttggc	aacnttaaaa	780
angncacctt	gncnttggn	annaacanc	attccggngc	ttcntcc		827

<210> 4639

<211> 827

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (827)

<223> n = A,T,C or G

<400> 4639

ttnnnnnnnn	tnntcaaate	ctttgctact	tggtcttttt	gcaggatccc	atcgattcgg	60
gcggaggagc	agaagctcaa	gctggagcgg	ctcatgaaga	acccggacaa	agcagttcca	120
attccagaga	aatgagtga	atgggcacct	cgacctcccc	cagaatttgt	ccgagatgtc	180
atgggttcaa	ntgctggggc	cggcagtgga	gagttccacg	tgtaacagaca	tctgcgcggg	240
agagaatatc	agcgacagga	ctacatggat	gccatggctg	agaagcaaaa	attggatgca	300
gagtttcaga	aaagactgga	aaagaataaa	attgctgcag	aggagcagac	cgcaaagcgc	360
cggaagaagc	gccagaagtt	aaaagagaag	aaattactgg	caaagaagat	gaaacttgaa	420
cagaagaaac	aagaaggacc	cggtcagccc	aaggagcagg	gggccagcag	ctctgcggag	480
gcatctggaa	cagaggagga	ngaggaagtg	cccagtttca	ccatggggcg	atgacaatgt	540
ttgccacagc	cttntgcctg	gaacctggct	cgtgcttggt	accagaaggg	aaaaggcngc	600
tgttttggct	ctttcttccc	cgcaanggac	cccgnttgac	cccgcccttg	attggaagaa	660
gccaaaaggg	agaacccctt	tttcgggaac	ccggtttaac	aagntccctt	ggtntttttg	720
ggcannggnt	tttngggaaa	cccttgaang	gggccctttt	ttcccttggc	aacnttaaaa	780
angncacctt	gncnttggn	annaacanc	attccggngc	ttcntcc		827

<210> 4640

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 4640

tnntttcaaa	tngattggct	acttgttctt	tttgcaggat	cccatcgatt	cggaactcag	60
aacactgagt	ccctatttga	tgtaaaaata	tgaccgttaa	acttctgggt	aagataatga	120
atggcactat	ggttttatact	gtttctgttt	tatgggctct	tccagagacg	tgaactggaa	180
aacnctctgc	agtgtctggg	attcgctcag	tgctgcaggg	gagggcaggt	gtgaggggaa	240
tggtccctgga	gggtgatggg	gctggggcat	ccgatgcagc	tttatagttc	tgtaattacc	300
acttttaaac	tttttattac	gaaaaatgtc	aaggaccctg	gaattacggt	gaggtaggca	360
ggataatggc	ccccaaagatg	cccggtgtgt	gacccccaga	ccttgtagt	gcctcacatg	420
gggagattgt	cctaggtcat	cttgcancc	cagggcagcc	ccatggggcc	ttaaagcttg	480
agagcccttc	ctgctgagtc	tgagagatgc	canaagcagg	agaggttaga	acccgangag	540
ggcccgaccc	tgcgctgctg	gccttagagg	aaggcccgan	gantgtgggtg	gcccctaagc	600

agcttnggac	tggggacctt	cgteccaccc	tgcaaagaaa	ctggaattct	ggcanaagcc	660
cccattatgg	aggaaaaggg	aaggatcctg	cccttggcag	nacctttgac	cctntggacc	720
ttcacaaatt	gtnaagcctg	agggttttgn	gtangnaccc	atnaaaaaan		769

<210> 4641
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(769)
 <223> n = A,T,C or G

<400> 4641						
tnntttcaaa	tngattggct	acttgttctt	tttgcaggat	cccatcgatt	cggaactcag	60
aacactgagt	ccctatttga	tgttaaaata	tgaccgttaa	acttctgggt	aagataatga	120
atggcactat	ggtttatact	gtttctgttt	tatgggctct	tccagagacg	tgaactggaa	180
aacnctctgc	agtgtctggg	attcgctcag	tgctgcaggg	gagggcaggt	gtgaggggaa	240
tggccctgga	gggtgatggg	gctggggcat	ccgatgcagc	tttatagttc	tgtaattacc	300
acttttaaac	tttttattac	gaaaaatgtc	aaggaccctg	gaattacggt	gaggtaggca	360
ggataatggc	ccccaagatg	cccgtgttgt	gaccccccaga	ccttgtgagt	gcctcacatg	420
gggagattgt	cctaggtcat	cttgcangcc	cagggcagcc	ccatgggccc	ttaaagcttg	480
agagcctttc	ctgctgagtc	tgagagatgc	canaagcagg	agaggttaga	acccgangag	540
ggcccgaccc	tgcgctgctg	gccttagagg	aaggcccgan	gantgtggtg	gcccctaagc	600
agcttnggac	tggggacctt	cgteccaccc	tgcaaagaaa	ctggaattct	ggcanaagcc	660
cccattatgg	aggaaaaggg	aaggatcctg	cccttggcag	nacctttgac	cctntggacc	720
ttcacaaatt	gtnaagcctg	agggttttgn	gtangnaccc	atnaaaaaan		769

<210> 4642
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(772)
 <223> n = A,T,C or G

<400> 4642						
ttatttgaac	cctnncccnt	tcaaactcct	tgttcttttt	gcaggatccc	atcgattcnc	60
ttttccatga	ctccaggtcg	tgctctcttc	catgtttggg	cccttctgtg	cccatggtca	120
ggagctattc	gggtggcacc	tngctggcca	ggctctcccg	agtcgtggca	cctccacaat	180
gtgaattttc	tgaatcccta	ttccaggatt	nctgggaata	atgtttactt	ctanaatggn	240
cctgntgtaa	accatctcat	cnaggtgtgg	taaagccatt	gnatgatgag	gggactgccca	300
tggaaaggag	agtttggtac	ttacggttct	gagaggaggg	gccacatagg	aaagccccac	360
gggtgggtcac	aaagcggaag	gagggagggg	aacgtgtggg	cttgnttttt	ctngcacatc	420
tctgaagagt	tnntaatctt	cactcatcat	gtgccaaaga	gtgncatcat	aaaangaaat	480
atnttttttt	cctaggagca	gngttaaaat	ctgggtcaca	ttcctgacca	aggacagcat	540
cctgccttnt	gcccatacnc	ttcagttcac	aaaagctgac	attttaaaca	aatcatgact	600
cacacgtntt	aattgggtat	aaaaaatgtt	gnggtacacc	tggttagata	aaaacttaan	660
ggccacaang	gangggcccc	aaggtaanncg	atgtcaagtg	tgtnaaaggg	gcctggattg	720
ggccntggnn	aanggattht	tgggcaaaac	ccaaaanttt	ttnggcccc	nn	772

<210> 4643
 <211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 4643

nnaacngaac	cttgcanttt	gacttccttt	acgcatncgc	angatcccat	cgattcccag	60
anatgcncac	cagccctgca	cggaggttt	ttcctgaacc	tggctcatgg	atanagaanc	120
ncacgagggc	ataactgcct	gtccgngaaa	anccaagcta	nccnaccttg	gtcnnctttg	180
ntgtgnnncn	nnntntgcna	agntggtgaa	aaagaaagag	atccngacca	nagaacttct	240
nnanggatgg	acntgctnac	tggggaatgn	gncgcccncn	ntacttgcac	antanattcg	300
aaanngtgna	ggntacacga	cattntgacc	cgctcaaatt	gcagggctcc	tnacgcnacg	360
cttctntagc	tttctacgtt	tcntntcnc	cacngtgac	gcntttcccc	gggaagntct	420
aaataaatgn	gctccntnta	nnmntncgat	tcnatcgcta	tacagncccc	tgaanaccng	480
aaaaaatattg	cnngnntgtg	gtgcacgtaa	anggccnctn	ncngggaaca	gttattgacc	540
tnnccgatgg	aaancanggn	tttaaaactgg	ntcnngnggg	aaactgaaca	nactaacctt	600
cnagtcnatn	ttttttgggt	acggaanntn	taantgggct	nncttnanaa	tctctgatan	660
natggtagnn	gactncacga	ttaantcaca	atcnttcttt	tngggggaat		710

<210> 4644

<211> 1315

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1315)

<223> n = A,T,C or G

<400> 4644

anggnngnnt	ttttttnnnn	ttttttnnnn	ccccntttn	tctacnnnc	gtgggaaaaa	60
aaaatcccn	cnttttttg	ggggaaaaa	aaantcccc	cccccnnt	nnccgnncnn	120
nnttttttt	tgggggggn	ngtnnaaaa	nnnnnnnnn	ccccnnnnn	nnnnnnnnn	180
nnnnnntgn	nnnnancgn	nnagnnnnn	nnntntttn	nnnnnnnnn	tnnnncnnnn	240
nnnnnnntt	ttgnngngn	nnnnnnngg	ggggntttt	ttttttttg	gggnnanggn	300
nnnnnnnnn	annnnnnnn	nnnnnnngg	nnnnnnnnn	nnnnngnnn	nnnggggggg	360
gnnnnnnnng	ttttttnnn	nnnaanngn	nnngnnnnn	ngnggggnn	nnnnnnnnn	420
nannnnancn	nnnnnnnnn	nnnnnnngn	nnnnnnnnn	nnanannnn	nnnnnnnnn	480
nnccgngggg	ggggggggg	ncnangcngt	naggggancc	acgagnngga	ggngtggggc	540
cannatgtcc	ttngancgcy	tctgcnagna	acnctncgag	gatgancnan	agnnccannn	600
anggnncng	ccagnntagc	ncagnnttct	nannnctaan	tgngcggatc	anggggnntn	660
tnccctaatag	ngtgnnggct	aanannatgn	atggngnnac	tgatggngaa	acannctcna	720
ncgtantncc	angtagtgaa	tgctggntta	ntnnntttag	nggntnanta	gcannngcgg	780
nnaacnnann	gtggntcntn	nannnnantt	gnnannngnn	gggnttcnnc	ntnngnagan	840
ngntntnagg	ngncnnnnccg	ntaaagtccn	nnannangtg	tntaanctnn	ctnaancggg	900
tatannnnnn	ntnnnnnggg	tnnnngnntt	cnnnannngn	nnngnnnnnt	gnnnnnagtn	960
tgngnntacg	annangtnna	nnancangnn	annnatgtgn	nnnnngnnnn	annnnnnntn	1020
tctgaactcg	tacnnngana	ncnnnggttn	nnccctcaca	nngtatngta	ngctgnnagn	1080
gnantatann	ntaagnantn	ttcntnnncg	antntntnnc	gtnaacgacg	atntnngtan	1140
ncncgnntaa	nngcntaann	gcanatangt	natagnagaa	ttcctnagtn	gaccnagggn	1200
atgatatnaa	ngntcangna	nnnnnnntnn	nctntngact	anangagann	atgananatg	1260
gtnnncnngt	gnnnagnatn	tgatntctcg	ntgctcncna	gnaggntaac	acacc	1315

<210> 4645
 <211> 791
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (791)
 <223> n = A,T,C or G

<400> 4645
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 tntgcaggga tcccatcgat tcgaattcgg cacgaggctg ccacaggggg gcaatcttta 120
 tttgtcttac ttectacccc ttccctgttc tgcctcttta actcagttaa gttgttctgt 180
 ttgggacctg gaaaagaacc caaagaaaac ctgaccggac aggttcattt ctggaatgca 240
 gaaaacattt taaaggctag attttttagaa tattctcaac tagcattctt tccattgatt 300
 tgaaggggaa attaactatt ataatctctt gaatccaaaa ctggatatta agaactttcc 360
 cccttactaa gtttaagact tttgtcatgt ggtgagtcaa ataagaccat tttgattgta 420
 aaccataaaa tagttcagca agtagccac agttctggcc taacagcaga cttgctgntt 480
 tcacttggtg taactggagt ggggtgctaa ccttaatttc tatgatgttt tctaaaatga 540
 aacttgataa agtagaccac cagctgcacc cgtgttttct gnaaaagtat tggtagtaag 600
 tggccaagag acttgaggaa aataccagat tttttggnta ccttggmctt ggtttaagtc 660
 ttaaaaaatt aaagataaca ttataatgna gaatcanatg gggcatannc cttggaaagc 720
 ctnccttgaa aaaggnntta aatatttang aagcctttaa aagacactta aatggaccct 780
 naagacanc n 791

<210> 4646
 <211> 791
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (791)
 <223> n = A,T,C or G

<400> 4646
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 tntgcaggga tcccatcgat tcgaattcgg cacgaggctg ccacaggggg gcaatcttta 120
 tttgtcttac ttectacccc ttccctgttc tgcctcttta actcagttaa gttgttctgt 180
 ttgggacctg gaaaagaacc caaagaaaac ctgaccggac aggttcattt ctggaatgca 240
 gaaaacattt taaaggctag attttttagaa tattctcaac tagcattctt tccattgatt 300
 tgaaggggaa attaactatt ataatctctt gaatccaaaa ctggatatta agaactttcc 360
 cccttactaa gtttaagact tttgtcatgt ggtgagtcaa ataagaccat tttgattgta 420
 aaccataaaa tagttcagca agtagccac agttctggcc taacagcaga cttgctgntt 480
 tcacttggtg taactggagt ggggtgctaa ccttaatttc tatgatgttt tctaaaatga 540
 aacttgataa agtagaccac cagctgcacc cgtgttttct gnaaaagtat tggtagtaag 600
 tggccaagag acttgaggaa aataccagat tttttggnta ccttggmctt ggtttaagtc 660
 ttaaaaaatt aaagataaca ttataatgna gaatcanatg gggcatannc cttggaaagc 720
 ctnccttgaa aaaggnntta aatatttang aagcctttaa aagacactta aatggaccct 780
 naagacanc n 791

<210> 4647
 <211> 1427
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1427)
 <223> n = A,T,C or G

<400> 4647

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gggccagggg	gttcggggga	acnttcttta	aggnangggg	naatncccc	ccgggggttt	120
aaccgggaa	ggcccttcg	gaaaatttnc	cggccccctt	taattaaggt	gggaagnttn	180
tnntttat	aaacaaat	ncaacttggg	gcccgggtccg	gtttttttaa	caaaacggtt	240
ccggttgga	cttgggggga	aaaaaaaacc	cccttggggc	ggtttacccc	ccaaaacttt	300
aaatcggcaa	tttggcaagc	caacaatccc	ccctttttcg	gcccgaagc	tgggcggtaa	360
ataagccgaa	aagaanggnc	ccggcaaccg	gaatccggcc	ctttcccaa	caagtttgge	420
gccaacctt	gaaatnggcg	gaaatnggaa	gcgcgcccc	ttgtaagccg	ggcgccaatt	480
naanccggcc	ggccgggtg	gttgggtngg	gttaacggcg	ccaagccggt	nggaanccgg	540
ctttacaact	ttggnccaag	ccggccccct	taaacggnc	ccggctttcc	ttttttcgge	600
ntttttctt	ttccccctt	cccttttttc	tttcggnc	caacggnttt	tcggggcccn	660
gggcntttt	tttcccccc	gggttccaaa	aaaangggnc	ccnttttttn	ntttttttna	720
aaaaaaaaa	aaaaaaaaa	aanatcnggg	ggggggcctt	tnccccctt	ttttaagggg	780
gggttttccc	ccgnaaat	tnaaaatngg	gccntttttt	taaacgggg	ggaaaacccc	840
nttttnggga	aaanccccc	ccnnaaaaa	aaaaaaaaacc	tttttgggaa	anttttaaag	900
gggggggttn	ggnaaaatng	gggttttttc	cnaaacccgt	taaaaanttn	ggggggggccc	960
caaantttng	ggcccccnt	ttggaaatta	aannaaaccn	ggggnttttt	tttttttcg	1020
gncccccnt	tttttggna	aacccttttt	tnggggaaaa	tttcccccaa	ccgggttttc	1080
cnttttttna	aaaaaaaaag	gggggggaac	ctttnttttt	gggttttccc	cnaaaaaaac	1140
tttgggggaa	aaaanaaaaa	acaaantttt	taaaancccc	cccntttnt	tttttttttg	1200
gggggggggc	cccnnaaaat	tttcccnttt	ttttttnggg	gaaaattttt	taaaaaanaa	1260
aaaggggggg	ggaaaatttt	ttttttggnn	ccccgnaaaa	tnntttttcn	nggggggnccc	1320
cnttaatttt	nggggggntt	ttnaaaaaaa	aaaaaaaaatt	gggggggncc	ttgggggnntt	1380
ttttttaaaa	ccnnaaaaaa	aaaaaanttt	ttttnaaaac	ccgccccg		1427

<210> 4648
 <211> 1505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1505)
 <223> n = A,T,C or G

<400> 4648

ttttttccca	aaaaaaaaaa	tttnggnccc	cctttttttt	ttttnaaaaa	aaaaaannnn	60
ngnccccenn	tttttnaggn	nnnnnnnttt	tttttnnnaa	aaatnanncc	ccccnttnan	120
nttttttttn	cccttaaaaa	aanagnaacc	nttttngggg	caaaaaaaat	cccntccnan	180
aaaatttnaa	tnccatacaa	ttaaatttnag	naanngnncn	nnaangnnnn	nnnaaannnn	240
nnnnnnaaaa	tnannnnang	nnnnancnna	naanngggnc	ngnaaanngg	ggacaccnng	300
nnnnnttgg	nggnttnaa	atgnccnnnc	cnnnnaaggn	ggntngtncn	aaannnttn	360
gnaannncac	attngnnnna	ncnanaaann	gnnnnnnttn	acctnaacan	tggggannttn	420
nnnnnnnttn	naanacnnc	tnananaaan	anganntgcn	caannnaann	aagngnnaan	480
annnanattn	acnnnaagca	cnaacnncna	ncnanaaaaa	aaaccnngnn	acacntgnta	540
ccactcangg	ctngnacnt	tatngnncna	atngatgnnn	annggncgca	ctacannnan	600
ngnncacaag	gnccacagan	ccacnaatca	nacntngtaa	tnaatgcan	cnnngncngc	660
aatannnaga	ccacnttnnn	natgacanng	caaanacngn	cannntanca	annggaangt	720
agtnacagta	acatanganc	ctnaantaac	ctatagcngg	gatnccagaa	ctaaaatact	780
ntanctacat	gnaacnttat	naataagaan	annggatnaa	atannatagt	aatgngnttc	840

ttanatnata	tctcacaac	ncgatcntag	aaataaataa	atcgtagnan	ttnttatatc	900
natanaanag	attcatatan	antnatatat	ctatataatc	antatatataa	caacatatag	960
nnntataaaa	anaaatacta	aaaantcaan	anntanatta	nactcnnaan	ngagggcaaa	1020
ataanncgna	gnanaatata	taagtntnnan	tcacatanat	nnanaaaaaan	atatacaata	1080
tanannaaaa	aananaatang	aaaananaaa	anctaaatan	naacnnatan	atataaaaata	1140
tantcnnaaa	acaatatata	anatanaaat	cnanatntan	nganataaaag	atnaaanana	1200
tnntntaanc	ntncnnacac	ataatntaan	ntaatnnana	aaantnnanct	tannngtgan	1260
aanactanaa	anactnaaan	nnnatcaa	atanggnnaa	naatatanaa	tatataacna	1320
atgngaaca	ttcaaanact	annanatnna	naaananaatc	ttaataanaa	atatananan	1380
ataanaataa	taagannnta	aanactaaaa	cacctatntc	taaagtcact	anactatng	1440
nnanacanat	ctataatnna	annataaaaa	aatatgnnt	nnanaataa	tattntatcn	1500
annnc						1505

<210> 4649

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(759)

<223> n = A,T,C or G

<400> 4649

ttantcatcn	ctctgtgttg	antncntac	aactacttgt	tctttttgca	ggatcccatc	60
gattcgaatt	cggcacgagg	tgagccgagg	ttgcgccatt	gtactccagc	ctgggcaaca	120
agagcaaac	tctgtttcaa	aaaaaaagaa	agaaagaaaa	ttacctggaa	ttcaatattg	180
ccatcggtcg	atttaattct	aatatgaana	aaggggcagt	gtgatgtgcc	atggagcatn	240
cacaacctgc	catttcaccc	accaacctta	gaaagccatt	gaaaagagtt	gtttttaatg	300
gtgtttttac	atccagcttc	ccacacctca	aatacttggg	gtggaattgt	taatctcaca	360
ttgcagtaca	atgaaaatag	tggaatggaa	atcaagttat	aaaatggagc	taaatatttc	420
ttctgcttgc	ctctgagttg	acaagatacc	ataagatact	gtacatgagg	ctgggcgcgc	480
gtggctcacg	tcttatttct	tctgcttgcc	tctgagttga	caagatacca	taagatactg	540
tcattgaggt	gggtgcagtg	gtcacgcct	gtaatcccag	cactttggga	gggtgaggtg	600
ggcagatcac	ctgaggtcgg	gagttcaaaa	ccagcctgac	tgacatgnag	aaacccccctc	660
ttttctaaaa	aatcaaaant	agcccaggcc	ttggtggtgc	atgcctataa	ttncagctac	720
tcnggaagct	tangcangga	aaaaaaaaaa	aaatttccn			759

<210> 4650

<211> 917

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(917)

<223> n = A,T,C or G

<400> 4650

ccnccctnntt	tcccccttnn	nnggtgggna	aaanaaccnn	cttttttgaa	aaaaaacccc	60
ccccctttttt	tggnaaaaaa	ccccccgttt	tacnanaaan	acnggnncng	agggggganc	120
cccccncccc	ngggnggggn	gngangcnnn	nactngncna	cncacggcn	naacacncaa	180
aaactngggn	gnngattnta	ttgagnggna	aaagggacga	nggctgngca	nagnnagaga	240
aanngggcna	gcccggnaac	gacgganggg	naaaaatatg	gggggnnnna	ngacaaaagg	300
aggccctgcy	cnaanccgaa	ccatnannan	nccacgtag	cccggcccna	ccnacgaacc	360
aannccctaac	agaancaana	tgnggcnggg	anaaacagnn	naggnaaaca	aggattcgag	420

```

aggangaggg gggaacaagc antngtgggn gangtnanan aacangggga ttttcnaatg      480
agaanaatgc anggcngaen natcncgctg ggnatggagg gnacttgenc cgccagatcg      540
cataaaacgc acgcaactgn gccacaaaca tacggangan tnggcaannc naaannngnn      600
gccccgantn acctgaggag gganctaang ctttgggaaa agaacaaaan acctnggacn      660
ggacaagggn gaaggatgaa cangaagacc cggaaacaag aggaagggga nncgccncta      720
aanntaaaca catccaaang cgnaaagggg aanccttngg ncnaannngag gaaacctgna      780
ccctnacntc caaacncnng ttttaagaaa gggggaaaac caaccnntga agcnantncc      840
ccccnnnggg ggnaaannaa cnacctgggc ccaaannttt tgaangaacn gananggnaa      900
acnaagggna atggggg      917

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<210> 4651

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1282)

<223> n = A,T,C or G

<400> 4651

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agnnnnnnnn nattnnnnnn nntttttgga aaaaaccccc cttttgggna aaaaaanggc      60
ccccgagggn natttnnaat ttacccctt cntnnttgca aaaancncn ttttggggaa      120
aaaaccccc cacancgncn nntttttgng gngnnaaaaa aggnancccg nnnnnnangg      180
nanctannnn nnnnncncnn nggcnnanng nnnngngggn cnnngnnngn cnnnnnnaan      240
nnnnnnnggg gttttttnan nncncnnnan cnannnnnnn nannnnnnnn ngnnnnngng      300
nncnagncg ngggggggnn ncangnaaa nngggccng nnnngngnang naanngnna      360
gngccaanna cnannaagn nannaangga ccnnnnnana nnnanangcc ncccccccc      420
canaacaagn acccatgacn nnaatgacn aggnccctagg naccanaan ccaagccca      480
ngnananctg ncncaggcca ngaacaccag ccaaagaann gagcacccn aaccacnagc      540
ncancnaggg aaancagggn caaaggncaa aggnaactaa ccaaanaacc cccantaagg      600
gcaaaaaaag cctnggagcn gcgagnanaa nnaaaaaangc ctaaggnggc cnangggcng      660
aaaaaagang cgnaanaann aagggaccan aagagnaaan naangnccca antcncannn      720
aannanag ngcnccccc accannaaga tcnaanccn ggggnanna acnngancaa      780
tcgnncncnn nncncnannc ggnacnaaan anaaaancgg ggngaccaag nccnaaangc      840
angannanaa aanagtaca ngntcgnnca tnaaaacnan ancacngaa aancacacnn      900
caanncaanc ngnanannng gggagagnnc acnnaannga nanaaannac nacncaccac      960
anaaggngan cnacnggccn ggannnanac aananggcen aaaanngagn caccgcagna      1020
ancngcgana nngcgcnnc cnanaacggn agncnnaaaa gaaaganacn aannacangc      1080
anngacncac gancnananc cccaaacnag gnnanacnca anacacntnn ngcaganana      1140
accacnnnag nacacncaca cgctacaagn gnatnanagc nantatagan antacanacn      1200
cnanacanac ngcatnannc acaacnatac ngacanacng canntgaaaa atnnggaann      1260
nanagaacgg agagnacaac cn      1282

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<210> 4652

<211> 1282

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1282)

<223> n = A,T,C or G

<400> 4652

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agnnnnnnnn nattnnnnnn nntttttgga aaaaaccccc cttttgggna aaaaaanggc      60

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ccccgagggg	nattttnaat	ttacccctt	cntnnttgca	aaaanccn	ttttggggaa	120
aaaanccccc	cacancgcn	nntttttgng	gnngnaaaaa	aggnancccg	nnnnnnangg	180
nanctannnn	nnnnncn	nggcnnanng	nnnnngnggn	cnngnnngn	nnnnnnnaan	240
nnnnnnnggg	gttttttnan	nnncnncnn	cnannnnnnn	nnnnnnnnnn	ngnnnnngng	300
nncnagnncg	ngggggggnn	ncangnanaa	nnngggccng	nnngngnang	naanngnna	360
gngccaanna	cnannaagnn	nannaangga	ccnnnnnana	nnnanangcc	nnnnnnnnnn	420
canaacaagn	acccatgacn	nnnaatgacn	aggncctagg	nacccanaaa	ccaagcccna	480
ngnananctg	ncncaggcca	ngaacaccag	ccaaagaann	gagcaccn	aaccacnagc	540
ncancnaggg	aaancagggn	caaaggncaa	aggnaactaa	ccaaanaacc	cccantaagg	600
gccaaaaaag	cctnggagcn	gcgagnanaa	nnaaaaangc	ctaaggnggc	cnangggcng	660
aaaaaagang	cgnanaann	aagggaccan	aagagnaana	naangnccca	antcncannn	720
aannanana	ngcncccc	accannaaga	tcnnaanccn	ggggannnaa	acnngancaa	780
tcgnncn	nnncnann	ggnacnaaan	anaaaaangc	ggngaccaag	nccnaaangc	840
angannanaa	aanagntaca	ngntcgnnca	tnaaaaan	ancacngaa	aancacacnn	900
caanncaanc	ngnanannng	gggagagnnc	acnnaannga	nanaaannac	nacncaccac	960
anaaggngan	cnacnggcn	ggannnnan	aananggc	aaaannagn	caccgcagna	1020
ancngcgana	nngcgcn	cnanaacg	agncnnaaaa	gaaaganacn	aannacangc	1080
anngacncac	gancnanc	cccaaacnag	gnnanacnca	anacacntnn	ngcaganana	1140
accacnnnag	nacacncaca	cgctacaagn	gnatnanagc	nantatagan	antacanacn	1200
cnanacanac	ngcatnann	acaacnatac	ngacanacng	canntgaaaa	atnnggaann	1260
nanagaacgg	agagnacaac	cn				1282

<210> 4653

<211> 1356

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1356)

<223> n = A,T,C or G

<400> 4653

tttggggaaa	aaaaaaaccc	ccccctttt	tgggggaaaa	aaaaannngc	ccccngaaa	60
ggngnnctt	ttttgnaaa	aaaaccccc	tntttgttt	ttgcnaaaaa	aaaccncnt	120
tttggggnaa	aaattncnc	ccnannnng	ncccnantnt	ttgnnnga	nggaanangn	180
nnanannccc	nnnnnnnnng	nnnnnnnann	nnnnnnnanga	nnnnanaanag	gnnnncannn	240
nnnnnaann	ananaatnnn	ntnnnnnnnn	nnnnnggggg	ggcnnatann	anannnnanna	300
aaaaannnn	annaaaacca	nangggngna	nngnnaanan	acnnnnanaa	aannannnn	360
nnnanangga	aaanannnaa	nnaaannana	aganannnnn	nacaaanncn	naaaannngna	420
acnnnnnnng	naaacanagn	aaanaggaan	nnanacnacn	caaaaaaaca	cngggacnaa	480
naacangana	gnatnnnaca	agncaanaca	acgaagaaga	cnnataaaca	ngcacaanaa	540
aancaangaa	agnngaangn	gnaaagnacn	angnaanaaa	nngaatacag	gaaaantnan	600
ataaagacaa	ntnngaata	nnaacancaa	atcaanaang	naaggaacnn	nctanacaac	660
acccaanann	gaaancaaga	tanatactag	anntanggna	caanagnaaa	aannannnnn	720
cangctanga	ggannngn	aaacgaaaa	nacaacaaaa	cgacaagaga	ncacaangan	780
gaataaangc	aananaacacn	aanacgaaan	caaaagaang	naccncn	gaanaagaga	840
cnnnngaang	aancgaaana	nnaacgcnn	cagacnannt	aaggacncac	ataangaanc	900
anagaaanga	cgancnagan	aggggnaaan	anancnccag	nagctaacaa	aacagnaaaa	960
tanngcacnt	annagatnna	nnanangaaa	canacaangc	aagngcatnn	aaaganaaag	1020
aataanaana	cannnnann	aggccnaaga	annnaaanac	naaaatanaa	aagnacatag	1080
acatanacca	nacagnnnaa	aangaanagn	tacgnanaca	anaaaaanaa	atcacaann	1140
ccnaaacgn	acnactaaca	nacatatcaa	cnngacannn	nnnacagcaa	aacagannnn	1200
anganaaanc	acnnaannaa	gagaatanna	canaccanga	atatgtanan	acannnaca	1260
gagacynaat	agnnaacaga	nacacaaca	cacnnanata	tacgcnaatn	nncacgaann	1320
gatatgaann	acacannacn	cgtcacaatc	acanc			1356

<210> 4654
 <211> 1356
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1356)
 <223> n = A,T,C or G

<400> 4654
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 ggngnnnctt ttttggnaaa aaaaccccc tnttttgttt ttgcnaaaaa aaaccncnt 120
 tttggggnaa aaattncncc ccnannnncg ncccnantnt ttgnnngaang nggaanangn 180
 nnanannccc nncnnnnnng nnnnnnnann nnnnnnanga nnnanaanag gnnnncannn 240
 nannnnnaann ananaatnnn nttnnnnnnn nnnngggggg ggcnnatann anannnanna 300
 aaaaannnna annaaaacca nangggngna nngnnaanan acnnnanaan aannannnna 360
 nnnanangga aaanannnaa nnaaannana agannnnnn nacaaanncn naaannngna 420
 acnannnnng naaacanagn aaanaggaan nnanacnacb caaaaaaaca cngggacnaa 480
 naacangana gnatnnnaca agncaanaca acgaagaaga cnnataaaca ngcacaaaat 540
 aancaangaa agngnaangn gnaaagnacn anggnaanaa nngaatacag gaaaantnan 600
 ataaagacaa nttnngaata nnaacancaa atcaanaang naaggaacnn nctanacaac 660
 acccaanann gaaancaaga tanatactag anntanggna caanagna aaannnnnnn 720
 cangctanga ggannngnng aaacgaaaan nacaacaaaa cgacaagaga ncacaangan 780
 gaataaangc aananacacn aanacgaaan caaaagaang naccncnann gaanaagaga 840
 cnnnngaang aancgaaana nnaacgcnaa cagacnannt aaggacncac ataangaanc 900
 anagaaanga cganncnagan aggggnaaan anancnccag nagctaacia aacagnaanaa 960
 tanngcacnt annagatnna nnanangaaa canacaangc aagngcatnn aaaganaaaag 1020
 aataanaana cannnannan aggccnaaga annnaaanac naaaatanaa aagnacatag 1080
 acatanacca nacagnnnaa aangaanagn tacgnanaca anaaaanaaa atcacaaann 1140
 ccnaaacgcn acnactaaca nacatatcaa cnggacannn nnnacagcaa aacagannnn 1200
 anganaaaanc acnnaannaa gagaatanna canaccanga atatgtanan acannnaciaa 1260
 gagacgnaat agnnaacaga natcacaca cacnnaata tacgcnaatn nncacgaann 1320
 gatatgaann acacannacn cgtcacaatc acancc 1356

<210> 4655
 <211> 1326
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1326)
 <223> n = A,T,C or G

<400> 4655
 ttttggcna aaaaaaaann nnggccccnt tttggggggc cnaaaaaann nnnggggccc 60
 ccnngngggn gnnnnntnnt tttnnnngnt tttccccnn nnntcttttt ctngggnaaa 120
 aancccccct tnttttgggg gaaaaaaann cccccccnnn nngnnnnntt ttttttgggg 180
 gnaaaaaaa nnnncccccc cnngnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngggggnttt tttttnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngg ggggnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnngnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng 420
 ggggggggng gngnggngn nngcnnngn annngngca nngngngnng nannngnnng 480
 gnnnnnnngn annnnnncnn ngngnnngn ngggnnggg ncnannngg cnnnnnnngg 540
 gggannngn nnnnggnann nnnnnnggg ggannngggn cgnngngnnn nngnganann 600

nnggngnngn	ggannnnann	annnnnnng	gnanccnnac	nnannnnnnn	nngngcggga	660
ancnnncnnn	ngnnncnnng	acnnggggnn	gnnnnnnnnn	nnnnnnnnng	aanggnnnnn	720
nnngnnnnnn	nnngannnnn	nnnnnnnnng	gncnnngncg	nnngaagngg	nnnnnnngnn	780
nnnnnnnnnn	nggggggggn	nnnnnnnnng	nnnnnnngnn	cnnnnnnnnn	gnnnagnggc	840
nnngnnnnnn	ggnnnnngcnc	nnnnnnngnn	nannnnngng	nnnnnnnnnn	nnnnnnngng	900
gnnnnnnnnn	nnnnnnnnng	nnnnngnnnn	nnnnnnngnn	nnnnnnnnnn	nanagnnnnn	960
nnggngnaan	gnnnnnnnnn	nnnnnnngnn	gnnnncgngg	ngnnnnnnng	nnnnnnnnnn	1020
nnngnnnnnn	nnnnaggggn	nnnnngnnng	nnnnngngnn	nnnnnnngnn	nnnnngngnn	1080
nannngnnnn	nnnnngnnnn	nanncacnnn	nnnnnnngnn	ncgnnnnngn	ngnnngnnnn	1140
nnnnngngnn	nnnnnnnnnn	nnngnnnnng	nnnnnnnnng	cgnnnnnnnn	nnnnnnngng	1200
ngnnnnnnnn	nngnggannn	nnnnnnnnnn	ngnnnnnnnn	nnnnnnnnnn	ngnnnnnnnn	1260
nangnnngnn	nnnnngnang	nnnnngnnnn	nnnnnnnnng	nnnnnnnnnn	annnnnnanc	1320
gcgncc						1326

<210> 4656

<211> 868

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(868)

<223> n = A,T,C or G

<400> 4656

gnnnnnnnnn	nnnnnnnnnn	ttttgggaaa	aacncccttt	gggnaaaann	ncccgggggn	60
ntttgaaann	ccctcctccg	gaaanccctt	ttgggaaann	nnccccnngn	cngttgggan	120
ccnancgacc	cgaatncggc	acgagccgag	gaccagcgca	gcgaggagaa	ggctncagcg	180
ngaggccaac	aannagancg	agnagcagcn	gcagaaggac	aagcaggncn	accggggccac	240
gcaccgcngn	ngcngcnggg	ngnnggggga	acncgggnaa	agcaccanng	agaagcagat	300
gaggagccgg	cangtgaatg	gggnnaangg	agangagaag	gcaaccagan	nagagnggac	360
tncattctga	mgagangaa	cnggccngac	tntgacncac	ctcccgaagn	ctangagcat	420
gccaaaggcnc	tgngggagga	tgaaggagng	cgagcctgct	acgaacgcgc	caacgaggac	480
caagctgatn	gacngngccc	agngctncng	gacaagaacg	acggggagta	agcaggccga	540
cnangagccc	gagcgaacag	gacccgnnnc	gctgccatgn	cngactnccg	gaanccangg	600
ggaccaagan	ccaggnggac	aaaggcaact	gccacanggg	ncgacgnggg	anggccagcg	660
cngaagaang	ccgcaagggg	gaaccaggn	gctnaaacgg	aaggggaact	ggcnancagn	720
nnnngngggg	gggccagcag	cnacnnacca	acanggggca	anccgggaag	ggaaaaccan	780
gancaacgcg	ccngnangga	aggnaccgga	accnngnana	agaagcaann	ngggaacaac	840
anganggggn	ngcanancca	tcncnnncn				868

<210> 4657

<211> 1319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1319)

<223> n = A,T,C or G

<400> 4657

cccnaaaaaa	aaanangncc	ccttttgggg	gtcaaaaaaa	atccccggcc	caattntttn	60
nnnnnttttt	tcaaaaanaaa	aaaccccccc	tnacnttttt	tnccaaaaaa	aanccgccc	120
tttgggggga	aaaaaaaacc	ctcncnaaaa	anncngnnnn	tncaattcaa	naccnngagg	180
ggnatnnggc	cccnaaanna	nnccnnaang	ngnnncanta	gnnnnaaana	nnngannnnn	240

nncncaatnn	nggnngnccn	nnanacnnnn	nnnnnngncn	nannaannan	acnnnaaggg	300
gggaaantnc	ntnnnnnann	annaaagggn	gnnnncctaaa	annnnnaan	nnngnggnaa	360
nananannnn	gnagnacnng	aaaccncnan	antncnnnnn	naannacann	naccnannan	420
ancnnnnncan	nnncnnnnnn	naanannann	agnaaaangnn	annaaancga	ganancnaaa	480
cnnnnnanana	accacannnc	accagaacac	ancagnacag	ncaaancntc	acatananaa	540
angtgcanta	cnnnatatc	ccgacacann	ccnanagacn	aaatacaacn	gatnnacnca	600
nnanannacc	nancnaaaaa	acaancacaa	ancaangana	aaanaacann	naacgacact	660
aanaagcaca	nanacgngcc	nacaanaccc	nacacaaacc	nnacngccaa	nnancnaaaaa	720
ctaaaacnga	atatcacnna	cacnnnnnaa	ctncnacaaa	aacnaccacc	ngnaaaaaacn	780
nnnngnaaag	gnngcancaa	atngaaaaaa	cnaaaaaaan	nnnaccangc	acannaaaaac	840
nnntnnnacn	tgacanacaa	anaaananac	mntaaaaann	aacaannaca	acncnaacan	900
nttaaanncn	aaannatanc	ccgcagcnaa	attaatangn	nanancntca	canannaaan	960
naacnaaccc	cantgtanan	aaacncnaat	ancaccacna	natanncaaa	ggtaangana	1020
aaccnanaaa	naccanattt	naaacaagcg	ncaaacana	acngaccaca	tccaannatn	1080
cnaacacaaa	naaanatatn	catnaaacac	acacaanacc	acctcnnnaa	nnnacntacc	1140
ntanaaacat	ncaaaanctn	natngacacn	nacaaaacag	caccanntca	anaccnaana	1200
nactacacag	agatacanag	acaanntnnn	nnnncnagaaa	ccacacgacc	catnanacnn	1260
acctntcnca	cnacncmntc	nancgcggga	gnnaaaaaata	anacacanaa	acacacnca	1319

<210> 4658

<211> 1088

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1088)

<223> n = A,T,C or G

<400> 4658

gaggnntttt	tccaaaaaaa	nnccccagag	ggnnnatttt	tgcaaaaaac	gccntttggg	60
tttcaaaaaa	nccgcttttt	gggnaaaatt	ttngggccng	naaaaagmna	tnntntggga	120
nnnanaanaa	nnnnnaannng	ganggganan	naaannnnnn	annnnnaann	nannnnanag	180
anaanagggn	gnnnangnna	nnntttnnnn	nannganggg	ggaannnnnn	acnanngggg	240
nganannann	nnnnnnnnnn	annngggngg	gnnnanannn	aannangngg	gnaganagan	300
nnannnnngn	nananaccnn	agnnnannna	ganannnaaa	naaannccnn	annnnanana	360
gaaacanaag	nnnaaaanac	aggaaaaaaa	aaganaaaant	acngnaanta	anacaaaaaa	420
aacaaaacna	ncatngnanc	aggnananag	tagcaanaac	nganngaagg	canaagagag	480
aaagncntga	cnaaagagga	ngagntnntt	naactaagan	agagannnac	ngaantgnaa	540
acangaancn	natganaaaa	aaggntnnga	canaagaaga	angcnanaca	nnaaaangan	600
ngaagnatga	aagaaaaann	naaagcntng	gnanaaaaaa	anagagatna	anaaaaaatn	660
aaaagaanaag	aannaacnna	atntcngnna	ancncgagaa	aatgggnnaa	gaaacangaa	720
naanatacaa	gaacnaaaga	nagnnccggaa	anaaganagg	naaaagaac	nanatataan	780
nganaagnta	nacanggata	acangnagat	ganaangagn	acannanaga	nanatgnang	840
ngacnanagg	gagantaaaa	anntaagnna	nnaaananan	aagcnannga	gannnnaccn	900
gnanacgggn	annacataac	anactnannn	nanaaaatac	nnnaaaggga	gananacgca	960
naatnnngca	naannannan	anaacgaaga	atangaagng	annncaggan	agatagaaan	1020
anganntaga	acngaaanna	aantnnncaa	ancaatnana	aanagncann	gnacatanana	1080
aacaacnn						1088

<210> 4659

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1267)
 <223> n = A,T,C or G

<400> 4659

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agggtttttt gcaaaaaaan cccccenttt ttggncnntt tttgcnaaaa aanncgcttt      60
ttggtttttna aaaacacccc cctttttttgc nnaaaattat acgcncagtn annatgnnnn      120
ntatnnnnnn nnannnanaa nnnnnnannn aananaang ggngnnnnann annnaaanna      180
naannnnann tttntanann angnaaatan nnannnnnan atttnttnnn annnnnnnnn      240
naannntnnn tntnaaaann ggngngnana nnannacnna nnttnanatn nnaananann      300
nnnnnnnnnn tanngaggng annnnnnnana naanngannn anaannnnna nnancanaat      360
nnnnaaanant nnnngnanaa naantaanan nnacnaatca naannnaana nnnannnaan      420
nnannaataa nncaaaaaaa aagccanann tatannaaaa cntcaatann cgtanaanaa      480
gaanatnacn natannaana naanactacc aaaactnaan annnnaatnc atatcnaana      540
taactannaa mngaataata nancaganaa nnnagnanna atnntannan naaagcannn      600
ngnnaanacn tcaagcntag antanntaca aatacnnaaa atantaacnn nanananaaa      660
anaannnnnn naacatncna agannnnana acaanaaann gnacaannan taacnannan      720
anaaananat ataaacanna ananannnaa taaataaant atanataang ngntcanata      780
tnnaagacaa ncaantaaa cntnnancat nancgaacta taaatagaan nganatatga      840
nataanatna nntanaacnc natatatanc nagtanatnt nanancacta nanatacnan      900
nanaaantcn tactanacan naacanctnn aactnanann antannnagn aacacncata      960
nancganmna atancnctna anntnnanna ctctgaanaa annacanata aataactata      1020
nangctagnn acantncacn tagtanmnaa tatntanana ttcnctanat ananntntan      1080
atcactacgn actcanacat anaaannaag tcttanagan aaatatcact caanaannna      1140
ngggncacta tntanncatn anncanaata nnnancata tannacanat aaantnnana      1200
tcnnaangat naaatntnan angacnanac anatangtnt atnnctaanc tgtaaataca      1260
ncacgaa                                           1267
  
```

<210> 4660
 <211> 1235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1235)
 <223> n = A,T,C or G

<400> 4660

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gtttgaaatn cctttgggat ttctaagtct tgntnancgn cattnatatn tgnngantng      60
nttgggaantn ngnacganga tntnntaaag catgtttana agtnattana atggacggtt      120
tgncnnntaa ngattgggna taantgggtg naanantgga ntganttngt attgnttnga      180
tttgagttat ctnattgaga nctntannnn ataaggagag ttntattntn ataaagtana      240
tagnanntan nggatcctta tntatcttng nnatgtntta aannganata atantnttn      300
naattttacn attntagana ttnatnggtg aaactttatc atatgntnna aattntann      360
ttnnnaatct ntgcaaaaaa ttantagntt tantntatnc atntcnantt tttntatttn      420
ttnctnntna ttannnttan tntgatntat gnanttcnta atttcnttta tnatcnctnt      480
tactnatata attttnannt anaaanaagt aatnnannat ntttgaatat atntntatca      540
naatatgnga nattataatc atttatnttn natagtatan ntntatgntg tagatatata      600
tctatagntg ntntntatt nttngatct gtatagncat cngnactaat atantttgtg      660
atanagctat tatggggant atntaaaact attgatgtna aaaaaacata nttttataag      720
antatanncn nnacgttata atagntctct gtacctatta ngcnattnga ttanaanatt      780
nntcnngata cctatntgta tnnacatnaca tattatatng gnganttatt tnnntgtata      840
taggattact atnttatgat anannntctt tntataatna aatatnatan tgagggtntn      900
ctttntacag ttgtanntna aatatnagcg ntnttaataa natagagnga tatatgacat      960
tnatttatat atattaagan tgtaagattn natnaagnag taatatcann atatagtatc      1020
  
```

natnantgtc	ttncatggat	gntatggata	cttagtgntn	gtgaanttta	tnnttatata	1080
tanntntnat	tngtaaaata	tactatantn	tatatatctg	atatatataa	ngaatgnatc	1140
tatnatnnac	nntataatat	cntgtacgat	taaaanattn	aatatatgtn	tatatntgaa	1200
tatgtataan	naanctactg	tctattgnta	cagan			1235

<210> 4661

<211> 1235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1235)

<223> n = A,T,C or G

<400> 4661

gtttgaaatn	cctttgggat	ttctaagtct	tgntnancgn	cattnatatn	tgnnngantng	60
nttggaantn	ngnacganga	tntnntaaag	catgtttana	agtnattana	atggacgggt	120
tgncnnntaa	ngattgggna	taantggtgg	naanantgga	ntganttngt	attgnttnga	180
tttgagttat	ctnattgaga	nctntannnn	ataaggagag	ttntattntn	ataaagntan	240
tagnanntan	nggatcccta	tntatcttng	nnatgtntta	aannganata	atantntttn	300
naattttacn	attntagana	ttnatnggtg	aaactttatc	atatgntnna	aattnttann	360
ttnnnaatct	ntgcaaaaaa	ttantagntt	tantntatnc	atntcnantt	ttnttatttn	420
ttctnntna	ttannnttan	tntgatntat	gnanttcnta	atttcnttta	tnatcnctnt	480
tactnatata	atnttnannt	anaaanaagt	aatnnannat	ntttgaatat	atntntatca	540
naatatgnga	nattataatc	atztatnttn	natagtatan	ntnatgnatg	tagatatata	600
tctatagntg	ntntnntatt	ntttngatct	gtatagncat	cngnactaat	atantttgtg	660
atanagctat	tatggggant	atntaaaact	attgatgtna	aaaaaacata	nttttataag	720
antatanncn	nnacgttata	atagntctct	gtacctatta	ngcnattnga	ttanaanatt	780
nntcnngata	cctatntgta	tnncatnaca	tattatatng	nggantttat	tnnttgata	840
taggattact	atnttatgat	anannntctt	tntataatna	aatatnatan	tgagggntn	900
ctttntacag	ttgtanntna	aatatnagcg	ntnttaataa	natagagnga	tatatgacat	960
tnatttatat	atattaagan	tgtaagattn	natnaagnag	taatatcann	atatagtatc	1020
natnantgtc	ttncatggat	gntatggata	cttagtgntn	gtgaanttta	tnnttatata	1080
tanntntnat	tngtaaaata	tactatantn	tatatatctg	atatatataa	ngaatgnatc	1140
tatnatnnac	nntataatat	cntgtacgat	taaaanattn	aatatatgtn	tatatntgaa	1200
tatgtataan	naanctactg	tctattgnta	cagan			1235

<210> 4662

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 4662

tntaatttna	tnctntannc	cnttcaactn	cttggtcttt	ttgcaggatc	ccatcgattc	60
gaattcggca	cgagatgagc	ccatgaactt	ccccagaaac	tcattgtctt	ctatttccgt	120
aacagctcct	aaccactagt	cgggctttgc	acacagcgac	ttctccgtaa	atgttgactg	180
cagggcagaa	agaaaggcta	aaagttctta	ggagaatggt	tgcttttgca	tgatatgct	240
ggcgatgcta	ataagtccca	gctagacctg	gcagtgahta	agttcagggg	tggcaattta	300
attttcttgc	tattagtaaa	acaaacagta	ggtggggtgg	gtggtaagct	taaatatctc	360
tgacgcgcga	tttaaaccat	ccatcccacc	tgtgggttgt	ctgcacctgc	tcttttggtg	420

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cggtgggtct cctaatttgc ttttcagtcc ctttcacatt atcattgttc tcaaaggcac      480
cgctctgcaa accacataaa ggcctttcaa cttncgctgc attttgtttt attcagccaa      540
ttgactagta ctgtcagcta attggattgg aaatgtaaaa tgaaagctgt attattcaac      600
tgccaacctc ctcaactggc anggagtggg tgatgctggg aattgaccan aagtgtatt      660
gctctgggtc tgcctctgga ttttaacaatg aacctgaggg gggctttctn tganacactt      720
gatacctgct tttttttttt tcccnngggg      750

```

<210> 4663

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 4663

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gttnnnnnnt tgaatccctt ngctctngnc tttttgcagg atcccatcga ttgcactaa      60
aaatagggtt gttgtttaag aagacacctt ctgagtattc tcataggaga ctgcgtcaag      120
caatcgagat ttgggagctg aaccaaagcc tcttcaaaaa gcagagtggg ctgcatttaa      180
atttgatttc catcttaatg ttactcagat ataagagaag tctcattcgc ctttgtcttg      240
tactctctgt ttcatttttt tttttttttg gctagagttt ccactatccc aataaagaat      300
tacagtacac atccccagaa tccataaatg tgttcctggc ccactctgta atagttcagt      360
agaattacca ttaattacat acagatttta cctatccaca atagtcagaa aacaacttgg      420
catttctata ctttacagga aaaaaaattc tgntgttcca ttttatgcag aagcatattt      480
tgctgggttg aaagattatg atgcatacag ttttctagca attttctttg gttcttttta      540
cagcattgnc tttgctggac tcttgctgat ggctgctaga ttttaattta tttggttccc      600
tacttgataa tattaaggga ttctggattt caggttttca tttggtttgc ttttggtttt      660
ttctcatgtt aaccattggg ggaanggatn caaggaattt gacacaaang gngggaataa      720
aacattaatt ttgngcccn nnnaaaanan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      780
nnnnnnnnna aacctcggnc cttntaaa      808

```

<210> 4664

<211> 1008

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1008)

<223> n = A,T,C or G

<400> 4664

```

ccgcncncnn cnnngnnnnn nannnnnnng nnnngnnnt ttnnttttc anncnttca      60
gcnccttggt catgatgcag gatcccatcg attcgaacnn gcacngtct atcncnnngt      120
gaagcactac ccngntacg ggttnacca tgcctgggca gntnggccat gggcccggtc      180
acgaacanaa cgggcctgga cgcctcgccc ctggccgcag atacctncta ctaccagggg      240
gngnactccc ggcccattat gaactcctct taagaagacg acggcttcag gcccggttaa      300
ctctggcacc cgggatcnag gacanntgan gancaagngg gggtcganac ntnggggaga      360
cggagttgca tagacgcang gggagaagaa attcataacn ccccggnccn aacaccncna      420
aggacagcag tcgttttnac cccgntgcan cccgttctcg gtccnaacag agggccacca      480
cagnatncnc cacanttcta tattanggag gaanancggg gaaagaatgt anaattttga      540
anaataaanc tactggtggt ccaanaaact gnnccgacn cncctgcntn gtgnnaaagc      600
gncnttgcca ngattnctng aaatttnntt tgggttggtg ggnaggnncc cccntccca      660
tttgccnecn cgggttgcca aggggaaatt tcctttcctt tcaccctcan tatnaaaagg      720

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ttttncctgg	gagntngaac	tttcgggggg	ttaaaaaanc	ccattgtggg	ngcccaataa	780
anccangacn	ccncttaggg	ggggaagncc	cntnccgggn	ganntnctg	tccanaacgn	840
gngggncngt	atctttngtg	gggncttntt	tcnaaccnat	tttgggggga	ggangcnggg	900
nntaaccctt	ggcaaccncc	cggaacatn	gggtgatgtg	nnaaaacatt	tncggatgca	960
naatatTTTg	gcncccgggg	ggngccnna	tatatTTTg	gannagcc		1008

<210> 4665

<211> 1690

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1690)

<223> n = A,T,C or G

<400> 4665

ccnccnnaann	acnnngcnnn	nnaaannnaa	nnncnnnann	nngaaacnnn	nnannnnnna	60
nngcagngnn	ngnannnang	cgagnnancn	gaanangacg	cannnnannn	ngaangann	120
nnnncncng	gngncntgna	nannnacaa	aggcngnana	cacnnngnng	anannggcnc	180
annnacacgn	ananannnac	canaacannn	cngctancan	naagannnca	cnnnanagca	240
nnncncagng	ngngggancc	gagngcgnga	cntnnnccna	ttttttggga	aaccgggttt	300
tggggcaaaa	acnggcttgg	ggngagannct	cacaaacgca	cnnaggagac	gagagagngn	360
agccgngncn	acgntnnacc	agctacagcg	aantcncnng	nncgccnagn	ngnaanacga	420
gacnnnagna	gnnacnacca	anannaccan	gggaaggggg	gggaaccnnn	cgnccaanag	480
nccnnacacn	nantaaanan	ngagngnngt	aagacancca	ngnnncaaan	tgnaannnnn	540
anncaaanacn	aaaanaancc	nnnnacctat	acnnagncac	aacaactnan	ancnnagaan	600
annannntnt	cnannnnnaan	caaaaaagaa	tcnncaanta	nannagnanc	ganncgcgca	660
nanccncaan	gtannaanna	tantannaca	cgacgganac	atngnanacn	angcgnaann	720
acangnnnan	cncancanan	ancnangaag	atntntneca	gaacgcgctg	cngnatacac	780
ancngctnnn	gacngnnnaa	cncagannnn	angcntnang	acncacnnna	cacacncgcn	840
annncancng	cacagcgngg	atanacgaac	gnnncaagct	cnagnaana	aggtangcca	900
cangnagagn	anacnnnnna	cnagnnaaan	aagncacatc	accgatanat	nctcgannnc	960
naccagcnnn	nnncnagnga	cnnacccgcn	nnnancctcn	ncnacangnn	nangnaccnn	1020
ngcntncaca	cgnanaanaa	tctncnccca	gaagcncggc	ncncgncacg	anacgcagag	1080
naccgncagn	atnantnacg	cgcaaanagc	gacanaangc	angnccaaga	tanagnngan	1140
agcgmnatan	nagcacgctn	acacagcgan	acnnngaagan	cacgngnann	tnntnagana	1200
cannnnngnaa	nacagcctnt	gacgnaacac	agcannacat	cnnacagctc	ngacancacg	1260
anananggac	agncncngan	acacgngaac	nacncaannn	cacannagan	gagancannc	1320
tnannnagat	ganantanc	anncacngga	tnnactata	tngannangn	ncgntgccgn	1380
ngnnancagc	agccngcacc	ancncctact	tgcntactnn	atncnatgag	caccaacgan	1440
ataagannac	cacnccctnn	ancgannana	tgaacacatn	canntaaann	gnagantnan	1500
tanacgacnn	ncncannnac	ngangtacag	nnnnntcacc	anngncgnnn	gatangctcn	1560
nntatactaa	cnnananana	gnnnnaacaa	cagaaanaan	cacnagacag	agaagcnnnc	1620
ncatgatnnc	ccactcacga	ncnnnnaggt	cngcngannn	tcnnnnnctn	atcnnagaa	1680
ntncntnncn						1690

<210> 4666

<211> 839

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(839)

<223> n = A,T,C or G

<400> 4666

tttgaaaacc	tttnatacaa	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	60
ggcacgaggg	nangganncn	ncangatcct	gganggnctn	cnctggncga	gaccaaggaa	120
aagcnccggn	cgatnggngn	cccaatgcan	ggtgatgggg	atggcttnna	nnctantgnt	180
gnnccnatat	ccannatnan	gctggtgcat	aangnantcn	nnnnccctaa	nnncgcngaa	240
nnntggncng	atnttgntcn	ngacnntgtg	nnnttnnatg	tnnacactgt	mnttnnnaac	300
mntgttcggn	ccnncnangc	tgatnntgac	ctggncaatg	acctgctgtg	gnantgctgg	360
nttcactgnt	cangtgacta	tattnatcca	tacannacca	attnaccttg	ctcatatcat	420
ccntagnttt	gnattgccac	tcgngattnn	attgcantnc	aangcnnanc	tttaactann	480
ngggatnata	aatnntccgc	ccntttnttg	nnanaaaat	cttgnaaagg	aanagcccnt	540
tacacttgta	aggaaattnn	ggccccaacc	tnagcaaagt	gcatanaaaa	ggttggcngg	600
ncangtcena	tanaaanctt	nnangannat	tgtcaaaaaca	mntnnacctt	tctggmcatg	660
aatcattggn	tggtgntnt	agactnccaa	gagnttgggg	nggntntttt	tcaaaaannt	720
tttananaga	acntttgcnc	ggaactgttc	agngggcaat	caactttttc	ncggnaaggc	780
tttagactgc	taaaatggan	ttntntncct	tataactgcc	ancccaaate	tttatncct	839

<210> 4667

<211> 848

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(848)

<223> n = A,T,C or G

<400> 4667

gnnnnnnnnn	ntntnaata	tacagctctt	gttctttttg	caggacccat	cgattcgctc	60
angcngnggc	ctccttcccc	agntttgntg	cctgagtggg	accagtgcnn	acncacagnc	120
cggaaaaggc	gcatctaacy	cntnttnagg	ctnnggtaac	tgccgacaag	ttgctttnac	180
ctgatttgat	gatacatntc	attaaggttc	cagttataaa	tattttgcta	atatttatta	240
agnactata	tgaatgcanc	tncattnacc	agtaacttat	nttaaataatg	cctagtaaca	300
catatgtngn	ataatntcta	gaaacaaaaca	tntaataagn	atataatccn	gtgaaaatnt	360
gaggcttgat	aatattaggt	agtgacaatg	aagcatggna	gaagctgtna	cagattacat	420
anagaataat	gaggagatta	tgatggaacc	ttaatatata	atgttgncag	cgattntagt	480
tnaatattcg	atactggnat	ctatctgctg	tatatggaat	acttttaatt	caaacgctga	540
anacgaatca	gcatttagtc	ttgccaggna	cacccaataa	tcagmcatgt	gtaatatnca	600
caagttcgtn	tctgttttgg	gttatnttga	tggtnggttt	gtgnttttgc	tttaagttgc	660
atgagctttn	tgcnngaaat	antcactcat	cccactccag	ataaggggnt	tagtcatnag	720
aaagtctgtc	tgntgatga	tggatacggg	gccaatcttt	ntcccctttc	tggttaatag	780
tcattacatt	tctatgccnn	nnnaggancn	natccataac	tttancttaa	ngtnacacatt	840
ggnatttt						848

<210> 4668

<211> 1690

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1690)

<223> n = A,T,C or G

<400> 4668

ccnccnnann	acnnngcnnn	nnaaannnaa	nnncnnnann	nngaaacnnn	nnannnnnna	60
nngcagngnn	ngnannnang	cgagnnancn	gaanangacg	cannnnnnnn	nngaangann	120

```

nnnnncncgng gngncntgna nannnacaan aggcngnana cacnnngnng anannggcnc 180
annnacacgn ananannnac canaacannn cngctancan naagannnca cnnnanagca 240
nnncncagng ngngggganc cagngcgnga cntnnnccna ttttttggga aaccgggttt 300
tggggccaaaa acnggcttgg ggnagannct cacaacgca cnnaggagac gagagagngn 360
agccgngncn acgntnnacc agctacagcg aantcncng nncgccnagn ngnaanacga 420
gacnnnagna gnnacnacca anannaccan ggggaagggg ggggaaccnnn cgnccaanag 480
nccnnacacn nantaaanan ngagngngt aagacancca ngnnncaaan tgnnaanann 540
anncaanacn aaaaanaacc nnnnacctat acnnagnac aacaactnan ancnnagaan 600
annanntnt cnanntnaa caaaaaagaa tcnncaannta nannagnanc ganncgcgca 660
nanccncaan gtannnaa tantannaca cgacgganac atngnanacn angcgngan 720
acangnnnan cncancanan ancnangaag atntntnca gaacgcgctg cngnatacac 780
ancngctnnn gacngnnnaa cncagannn angcntnang acncacnnna cacacncgcn 840
annncancng cacagcgngg atanacgaac gnnncaagct cnagnaana aggtangcca 900
cangnagagn anaccnnnna cnagnnaaan aagncacatc accgatanat nctcgannnc 960
naccagcnnn nnncnagnga cnnacccgcn nnnanctctn ncnacangnn nangnaccnn 1020
ngcntncaca cgnanaanaa tctncnccca gaagcncggc ncncgncacg anacgcagag 1080
naccgncagn atnantnag cgcaaanagc gacanaangc angnccaaga tanagnngan 1140
agcgnnatan nagcacgtcn acacagcgan acnngaagan cacgngnann tnntnagana 1200
cannnnngnaa nacagcctnt gacgnaacac agcannacat cnnacagctc ngacancagc 1260
anananggac agncncngan acacnggaac nacncaannn cacannagan gagancannc 1320
tnannnagat ganactanc anncacgnga tnncaactata tngannangn ncgntgccgn 1380
ngnnancagc agcncgcacc ancnctact tgcntactnn atncnatgag caccaacgan 1440
ataagannac cacnccctnn ancgannana tgaacacatn canntaaann gnagantnan 1500
tanacgacnn ncncaannac ngangtacag nnnntcacc annngcgnnn gatangctcn 1560
nntatactaa cnnananana gnnnnaacaa cagaanaaan cacnagacag agaagcnnnc 1620
ncatgatnnc ccactcacga ncnnnngagt cngcngannn tcnnnnctn atcnnacagaa 1680
ntnctnnncn
1690

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<210> 4669

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 4669

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ttttcataca gctcttgttc tttttgcagg atccctcgat tcgaattcgg cacgaggtga 60
ggctctctta aaaaatttaa aaatactgaa gaaacaaagg gaggagtgtg tagaatcttg 120
agtggaggaa acttctgtgt caccaaacac agaaaccatc aaagaaaatc tttcacttcc 180
aaaattagtc tatagaaaaa aaaaagaaaa tcttaacca aataagagac tgaggcaaga 240
gcttcaatca atcgaggttt actgagccag agttggagcg tgccaggaaa gcaacacaag 300
tcaaagaaac gtctgtggcc tgtgctctcc caagaagttt tcaggagggt caatatttgt 360
acatttcttt aaaggggaga agacagttag gcaaattggt atgtttttgt gagactctta 420
attagtgtcc cgtaaactta agctatatgg aagatagggt gaacactgga agaacaggga 480
gtaacagaag accaattatg cagaggtctc aggttaggtg gaggaatgat tgatctcatc 540
ttatccttgt ctgcacctgg gcagatnaac tttgtaattg acattgtcag tgtgaaattt 600
acaagacttt tggtttttag agttaggttt aggttgccag acctaaagtt gcagttgaca 660
tgtncttgtt ttataggagg atntccatnc tgaaagtta gggactggcc aanaattact 720
ggtgagcaat ttgtgantgc ggcncgtggag atcatgancg tttttgcctt tttgngggat 780

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<210> 4670

<211> 712

<212> DNA

<213> Homo sapiens

<400> 4670

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gttttagagc agctcttggt ctttttgag gatccctcga ttcgaattcg gcacgaggaa      60
ctagtctcga gttttttttt tttttttttt atgatattac accatagggt ttattaacga      120
taaatgtttg cttactttt aaaagcttag ctcttactaa gcattcttta acaaaagcta      180
ataagcaaga aatcatttgc catacggaaa ctatattcac aaacaagact ttaatccaat      240
attgaaagct aaagaattag aaaaaataca aaacactgct atgagtcaat tgaactgcta      300
tcattgaatt tgctgcattt agaatgacat aaacatactg aacataaaaa caattttatg      360
gatttattct ataagactag cattaagaat gacatacaat ttgtgatttc ctttaaaaaat      420
aattttttac aacagaatcc atttgaacaa aggggtctttt tttccctca tttgagggga      480
agacaatcta tgtttcccaa acagatctc ctttcatact aaaatagcaa actgtggcct      540
cgatctctc tttccagatg ctacttatag atgactttgc ataataactt aattagaatt      600
acttttctgg taacagtgtc acggccataa ataatcagtt tttaaaaaac aaacatcaag      660
ggcaaatcta gaaaacttcc tttaaaggaa ttacccaaac ccagcacaca tg              712

```

<210> 4671

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (782)

<223> n = A,T,C or G

<400> 4671

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ttcatatttg aagaattaga aatgaagtcc gttcagattc tccaaagaac ctccagccac      120
tgggtgggga cattcttaat tcacattcct atcagttggt atctcctgtc cctgaagaca      180
ctgatgaggc ttgggaggag aatcccacct ttccctgcag ggggttaggc tgggcagggc      240
agggagggtga gggcgctggt ccagaacact ggcaagggat gggaaacctaa cttcttctgt      300
gcttctgatt tgccttgca ggtgtttttc caggtctgac cacctggccc tgcacatgaa      360
gaggcacctc tgaggagca gagaggtgga tcctgtaggc taaaaggctt ccaggctgag      420
agcccggccc gtggaaggag ggatgcatgc tttattaagg ctcttgtttc acctggcagt      480
gtactgtatc aacgtataat acagaaaaaa aatctcttta aggtcctcct tcacaaagac      540
atagagtga actcccttta catgtcagta tttgttcaac actttaggca acttgactgt      600
cagtgttaaa atggaaaaca ggaaaatgga aaaatctgac caattctgcc ccttgagact      660
ttcatataga ccttgacaaa caattgtata gatcacacac cggcttgat ttaatatgta      720
acattttcnc acatnttaa gatccagaag ttttaaaaaa ccccaatgt taatgtattt      780
gc

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<210> 4672

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (782)

<223> n = A,T,C or G

<400> 4672

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gagccttga ancctatnta caatctactt gctctttttg caggatccca tcgattcgaa      60
ttcggcacga gaaaaaacct cctgggactg ttgcaaggat gaaatgaagg attgagggat      120
tgagggattg ctgagctgga gctccagggt tcctatcttt ctgagtgggg tggcacggag      180

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cggggcgcgc tccctcttct ctccaggcag gtggggctgt ggttatgcga tagggctctc 240
cttccctcca gcccatgcc gagagcttg taactcttta tctcatggg gccactacg 300
agtcatactc ttcccatgc tgctcattct cctgggcccc atccactcag ccaaagcaga 360
atgcaggggt tctgcctga caacccttct cacctcccaa gtcccacttt tgaacaagct 420
gatgattctg aaactggccc aatttcctaa caagccggat gcttgagaaa cctacatttg 480
gacaatgaga ggctgctcct gcngcctgcg ggccacctcc tcttccttgg ctccctgctt 540
ctttttagac tatatcaacc tacaacttta ctcggaaga gggacagggg tggacctgag 600
tttctctcc tgtctctctg gctgatgtca cctggaataa agccttcttn cctggccaaa 660
naaaanacc mnnnnnanaa nntactttna gcctctanaa ctatagttag tcttattacg 720
tnnaanccaa cttgaataag anacattgat gaattttgga ncaanccnca actntgaatg 780
ct 782

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<210> 4673

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (706)

<223> n = A,T,C or G

<400> 4673

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acttcaaagc cncagctgtt atgccanatg gtcanntnaa agatatnacc ctgtctgact 180
acaaaggaaa atntgttgng ncttcnttt accctcttga ctnnaccttt gtgtgccccca 240
cggagatcat tgnntcagat gataggcng aanaatntaa naaactcaac tgccaagnga 300
tnggagcttc tgtggattct cacttggtgc atctagcatg ggtcantaca cctaagaagc 360
aaggaggact gggaccatg aacattcctt tggntcaga cccgaagcgc accattgctc 420
angattatgg ggtcttaaag gctgatgaag gcatctcgtt caggggcctt tttatcattg 480
atgataaggg tattcttcgg cagatcactg naaatgacct ccctgttggc cgctctgtgg 540
atganacttt gagactagtt caggccttcc aggcactgac naacatgggg aagtgtgccc 600
agctggctgg aaacctggca gtgatccatn aagcctgatg tccaaannag caaagaatat 660
ttntccaagc ngaagtnagc gctgggctgg tttantgcca ggctgc 706

```

<210> 4674

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (710)

<223> n = A,T,C or G

<400> 4674

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gtttgtagaa atgctactga ttttgtagc ttaatttttg tatcctgaaa cntactaac 120
gtcatttatc aggtcttttg gagggattgt tagggttttt ttaggttttag aatcatattg 180
tgagtgaaca gagataattt gacttcctct tttctatatt agatgccttt tgtttctttt 240
tcttgcccga ttgctctggg taggacttca gtactatggt gaatagaggt ggtgagagtg 300
ggcatccttg tcttgctctt aggggggatg ctttcacctt tgccattca gtatgatatt 360
ggctgtgggt ttgtcataga tggctcttat tttttgaga ggtatgttcc ttcattgcct 420
agtttggtga ggatttttat catgaaggga tattggactt tatcaaatgc ttttctacat 480
gtattgagat gatcatatgg ttttggtttt taattctggt tatgtgctaa aactattccc 540

```

caaaatcaaa	gagaaaggat	ttctccttaa	cacattctac	gaaaccagta	tcatacctgat	600
ccaaatctg	gcaaggacac	caacancana	aaanaaaaaa	aaaaaactng	gcctttaaaa	660
actttngggg	ngccnnnttn	cgnaanatcc	nnnncttgat	nagatccntn		710

<210> 4675
 <211> 782
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (782)
 <223> n = A,T,C or G

<400> 4675						
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cacgaggtgg	ggacgagccc	tccccatcct	gagtccacag	ggagatccac	agctcacgga	120
gcctggccgc	ggacccctcc	caccctgcc	ttgccggccc	ctgcacattt	aggatatgct	180
cctgggtggg	gactgggctg	tgcccagggc	ctctgtcccc	caggatgtct	tgtggtgagg	240
gtcggccgtt	ctgcccccca	gggcaccccc	tggtgtaggc	actggctagg	gaggggcagg	300
cctccttctt	gcccctcgag	acactcttgg	gagatgcatt	ttccgtctgg	ctcacagggg	360
gaggggtgagg	ctttgcaccc	caccctgmc	cangccactg	tgatgggtggg	tgctgctgaa	420
cccccggggc	agcaggagcc	aggcangtga	tgtctttgtc	tcggctccca	cagnagaacc	480
aggtgagggg	gcgcctgcc	agccanaac	catgtggggc	aaactgaacc	ctgttcnct	540
gtggcgcat	gccccgatct	tttacacact	ggtgacctn	anaaaagatg	taagatgnaa	600
cctggccggg	gttnttnan	cccgaacttt	aanttgncn	tncaaactt	tggcttgaac	660
ttgggtctgt	ttacctaana	aagtcccaca	aggtgcctta	ttntngggg	ttnttttnna	720
naancncnt	tnnnngnna	nnnttttttn	natttnnnnn	aaaanatnnn	aaanngnnt	780
tt						782

<210> 4676
 <211> 808
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (808)
 <223> n = A,T,C or G

<400> 4676						
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caatcgagat	ttgggagctg	aaccaaagcc	tcttcaaaaa	gcagagtggg	ctgcatttaa	180
atgtgatttc	catcttaatg	ttactcagat	ataagagaag	tctcattcgc	ctttgtcttg	240
tacttctgtg	ttcatttttt	tttttttttg	gctagagttt	ccactatccc	aataaagaat	300
tacagtacac	atccccagaa	tccataaatg	tgttcctggc	ccactctgta	atagttcagt	360
agaattacca	ttaattacat	acagatttta	cctatccaca	atagtcagaa	aacaacttgg	420
catttctata	ctttacagga	aaaaaaattc	tgntgttcca	ttttatgcag	aagcatattt	480
tgctggtttg	aaagattatg	atgcatacag	ttttctagca	attttctttg	gttcttttta	540
cagcattgnc	tttgctggac	tcttgctgat	ggctgctaga	ttttaattta	tttggttccc	600
tacttgataa	tattaaggga	ttctggattt	cagggtttca	tttggtttgc	ttttggtttt	660
ttcctcatgt	aaccattggg	ggaanggatn	caagggaatt	gacacaaang	gngggaataa	720
aacattaatt	ttgngcccn	nnnaaaanan	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
nnnnnnnnna	aacctcgnc	cttntaaa				808

<210> 4677
 <211> 708
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (708)
 <223> n = A,T,C or G

<400> 4677
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 gccttgcttg cttgagcttc agcgggaattc gaaatggctg gcggttaaggc tggaaaggac 180
 tccggaaagg ccaagacaaa ggcggtttcc cgctcgaga gagccggctt gcagttccca 240
 gtggggccgta ttcacgcaca cctaaaatct aggacgacca gtcattggacg tgtgggcgcg 300
 actgccgctg tgtacagcgc agccatcctg gagtacctca ccgcanaggt acttgaactg 360
 gcaggaaatg catcaaaaga cttaaaggta aagcgtatta cccctcgtca cttgcaactt 420
 gctattcgtg gagatgaaga attggattct ctcatcaagg ctacaattgc tgggtggggg 480
 gtcattccac acatccacaa atctctgatt gggaagaaag gacaacagaa gactgtctaa 540
 aggatgcctg gattccttgt tatctcanga ctctaaatac tctaacagct gccagtgttg 600
 gtgattccag tggactgtat ctctgtgaaa aacacaattt tgcctttttt gtaattctat 660
 ttgacaagtt tggaaagtaa ttagctttcc accaaccaaa tttctgct 708

<210> 4678
 <211> 808
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (808)
 <223> n = A,T,C or G

<400> 4678
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 caatcgagat ttgggagctg aaccaaagcc tcttcaaaaa gcagagtggg ctgcatttaa 180
 atttgatttc catcttaatg ttactcagat ataagagaag tctcattcgc ctttgtcttg 240
 tacttctgtg ttcatttttt tttttttttg gctagagttt ccactatccc aataaagaat 300
 tacagtacac atccccagaa tccataaatg tgttcctggc ccactctgta atagttcagt 360
 agaattacca ttaattacat acagatttta cctatccaca atagtcagaa aacaacttgg 420
 cttttctata ctttacagga aaaaaaattc tgntgttcca ttttatgcag aagcatattt 480
 tgctggtttg aaagattatg atgcatacag ttttctagca attttctttg gttcttttta 540
 cagcattgnc tttgctggac tcttgctgat ggctgctaga ttttaattta tttgggtccc 600
 tacttgataa tattaaggga ttctggattt cagggtttca tttgggttgc ttttgggttt 660
 ttctctcatgt aaccattggg ggaanggatn caaggaattt gacacaaang gngggaataa 720
 aacattaatt ttgngccnn nnnnaaaan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780
 nnnnnnnnna aacctcgnc cttntaaa 808

<210> 4679
 <211> 880
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (880)
 <223> n = A,T,C or G

<400> 4679

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tggccatggg	cccggtcacg	aacaaaacgg	gcctggacgc	ctcgcccctg	gccgcagata	180
cctcctacta	ccaggggggtg	tactcccggc	ccattatgaa	ctcctcttaa	gaagacgacg	240
gcttcangcc	eggctaactc	tggcaccccn	gatcnaggac	aagtggagag	caagtggggg	300
tcgagacttt	ggggagacgg	tggtgcatag	acccaaggga	gaagaaatcc	ataacacccc	360
caccccaaca	ccncaagac	agcagtcttn	ttacccgctg	cancegttcc	gtcccaaaca	420
gagggccaca	cagatacccc	acgttctata	taaggaggaa	aacgggaaag	aatataaagt	480
taaaaaaaag	cctccgggtt	ncactactgn	gtagactcct	gcttcttcaa	gcacctgcag	540
attctgattt	ttttgntggt	ggtgntctcc	tccattgctt	gttgntgcag	gggaagtctt	600
tactttaaaa	aaaaaaaaaa	atthttgtgga	gttggacttc	gggggtnaaa	aacccatggt	660
tgthttttaa	caagnaanca	agaaggggtt	ggtacttatt	tggnnttaaa	aaaaaaaaaa	720
aaaaaaaaaa	aaaacntttg	nngncccttn	ttaaaaaact	ttttttgnng	gaggttcggt	780
nattttaccg	ttaaaaatc	ccccaccct	tgggtttang	gaattnncan	tttggattgn	840
aaatthtttg	gnaccnaaan	ccncccaac	ctttgggaaa			880

<210> 4680
 <211> 880
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (880)
 <223> n = A,T,C or G

<400> 4680

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tggccatggg	cccggtcacg	aacaaaacgg	gcctggacgc	ctcgcccctg	gccgcagata	180
cctcctacta	ccaggggggtg	tactcccggc	ccattatgaa	ctcctcttaa	gaagacgacg	240
gcttcangcc	eggctaactc	tggcaccccn	gatcnaggac	aagtggagag	caagtggggg	300
tcgagacttt	ggggagacgg	tggtgcatag	acccaaggga	gaagaaatcc	ataacacccc	360
caccccaaca	ccncaagac	agcagtcttn	ttacccgctg	cancegttcc	gtcccaaaca	420
gagggccaca	cagatacccc	acgttctata	taaggaggaa	aacgggaaag	aatataaagt	480
taaaaaaaag	cctccgggtt	ncactactgn	gtagactcct	gcttcttcaa	gcacctgcag	540
attctgattt	ttttgntggt	ggtgntctcc	tccattgctt	gttgntgcag	gggaagtctt	600
tactttaaaa	aaaaaaaaaa	atthttgtgga	gttggacttc	gggggtnaaa	aacccatggt	660
tgthttttaa	caagnaanca	agaaggggtt	ggtacttatt	tggnnttaaa	aaaaaaaaaa	720
aaaaaaaaaa	aaaacntttg	nngncccttn	ttaaaaaact	ttttttgnng	gaggttcggt	780
nattttaccg	ttaaaaatc	ccccaccct	tgggtttang	gaattnncan	tttggattgn	840
aaatthtttg	gnaccnaaan	ccncccaac	ctttgggaaa			880

<210> 4681
 <211> 880
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (880)

<223> n = A,T,C or G

<400> 4681

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tggccatggg	ccgggtcacg	aacaaaacgg	gcctggacgc	ctcgccccctg	gccgcagata	180
cctcctacta	ccaggggggtg	tactcccggc	ccattatgaa	ctcctcttaa	gaagacgacg	240
gcttcangcc	cggctaactc	tggcaccn	gatcnaggac	aagtggagag	caagtggggg	300
tcgagacttt	ggggagacgg	tggtgcatag	acccaaggga	gaagaaatcc	ataacacccc	360
cacccaaca	ccncaagac	agcagtcttn	ttaccgctg	cancggttc	gtcccaaca	420
gagggccaca	cagatacccc	acgttctata	taaggaggaa	aacgggaaa	aatataaagt	480
taaaaaaag	cctccggttt	ncactactgn	gtagactcct	gcttcttcaa	gcacctgcag	540
attctgattt	ttttgntggt	ggtgntctcc	tccattgctt	gttgntgcag	gggaagtctt	600
tactttaaaa	aaaaaaaaaa	atthttgtga	gttggacttc	gggggtnaaa	aacctatgtt	660
tgthtttnaa	caagnaanca	agaaggggtt	ggtacttatt	tggnttaaa	aaaaaaaaaa	720
aaaaaaaaaa	aaaactttg	nngncccttn	ttaaaaaact	ttttttgnng	gaggttcggt	780
natttttacg	ttaaaaatc	ccccaccct	tgggtttang	gaattnnan	tttggattgn	840
aaatthttg	gnaccnaaa	ccncccaac	ctthgggaaa			880

<210> 4682

<211> 1690

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1690)

<223> n = A,T,C or G

<400> 4682

ccnccnann	acnnngcnnn	nnaaannnaa	nnncnnnann	nngaaacnnn	nnannnnnna	60
nngcagngnn	ngnannnang	cgagnnancn	gaanangacg	cannnnannn	ngaangann	120
nnnncncng	gnngcntgna	nannnacaan	aggcngnana	cacnnngnng	anannggcnc	180
annnacacgn	ananannnac	canaacannn	cngetancan	naagannnca	cnnnanagca	240
nnnncncagng	ngngggancc	gagngcgnga	cntnnncna	ttttttggga	aaccgggttt	300
tgggccaata	acngccttgg	ggnagannct	cacaaacgca	cnnaggagac	gagagagngn	360
agccgngncn	acgntnnacc	agctacagcg	aantcncnng	nnccgcnagn	ngnaaanacga	420
gacnnnagna	gnnacnacca	anannaccan	gggaaggggg	gggaaccnnn	cgnccaanag	480
nccnnacacn	nantaaanan	ngagnngngt	aagacancca	ngnnncaaan	tgnaannnnn	540
anncaanacn	aaaanaancc	nnnnacctat	acnnagncac	aacaactnan	ancnnagaan	600
annannntnt	cnannnnaan	caaaaaagaa	tcnncannta	nannagnanc	gannccgcga	660
nanccncaan	gtannaanna	tantannaca	cgacgganac	atngnanacn	angcgmanan	720
acangnnnan	cncancanan	ancnangaag	atntntncga	gaacgcgctg	cngnatcac	780
ancngctnnn	gacngnnnaa	cncnagnann	angcntnang	acncacnnna	cacacncgcn	840
annncancng	cacagcgnng	atanacgaac	gnncaagct	cnagnaana	aggtangcca	900
cangnagagn	anaccnnnna	cnagnnaaan	aagncacatc	accgatanat	nctcgannnc	960
naccagcnnn	nnncnagnga	cnncccgcn	nnnanctctn	ncnacangnn	nangnaccnn	1020
ngcntncaca	cgnanaanaa	tctncnccca	gaagcncggc	ncncgncacg	anacgcagag	1080
naccgncagn	atnantnacg	cgcaaanagc	gacanaangc	angnccaaga	tanagnngan	1140
agcgnnatan	nagcacgtcn	acacagcgan	acnngaagan	cacngnann	tnntnagana	1200
cannnnngnaa	nacagcctnt	gacgnaacac	agcannacat	cnnacagctc	ngacancacg	1260
anananggac	agncncngan	acacnggaac	nacncaannn	cacannagan	gagancannc	1320
tnannnagat	ganancctanc	anncacngna	tnnactata	tngannangn	ncngtgccgn	1380
ngannancag	agcngcacc	ancnctact	tgcntactnn	atncnatgag	caccaacgan	1440
ataagannac	cacnccctnn	ancgannana	tgaacacatn	canntaaann	gnagantnan	1500
tanacgacnn	ncncannnac	ngangtacag	nnnnntcacc	annngcgnnn	gatangctcn	1560

nntataactaa	cnnananana	gnnnnaacaa	cagaaanaaa	cacnagacag	agaagcnnnc	1620
ncatgatnnc	ccactcacga	ncnnnnngagt	cngcngannn	tcnnnnnctn	atcnnncagaa	1680
ntncntnncn						1690

<210> 4683

<211> 933

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (933)

<223> n = A,T,C or G

<400> 4683

gagnagggng	ttctaattct	ggctntcagc	ccaanaacag	ctctgttctt	gcncangatc	60
cgntcgatgt	tctccantgg	accatccagc	ctttttccna	gccaggaaag	cccggntnga	120
gcanntgata	tccangaatg	ngngaggctg	ncgnngcaag	gancacctna	ggtcngggana	180
tctnananac	tcttgccnnc	atnntgaaac	cctntngnna	ctatgnannn	tcncaaatac	240
gctnngnnnn	ctggngnacg	cntgnagtgc	cagcnccang	gaggntgatg	cagctgaacc	300
cctgancgcc	ggngtggcca	agattgcnnt	gacgntnana	tcnaaccatt	ggactccat	360
cctggggcan	gangaacnan	anctntgact	cacggtaatg	taatcnnnag	gtggntggat	420
aaacttgagg	ataaaggntt	cgannatcaa	nactggaggc	aactttnncn	ggntaaccct	480
atntantanc	tanaatatat	ntggaaatcn	nnnacanggc	aatnggctan	ancncnannc	540
ccttggtaan	acaccntan	tccntagggt	gcacgcgtnn	acggcangnn	tnantcnncn	600
taanaaacc	ancgtanggt	gntaagggnt	taccanntan	tcnccaanaa	tcnacgccca	660
cctnngatct	tcctnnggcn	cttggggcaa	ncaaaaatgn	ntgaaaaacn	tcttgngagn	720
tccaatanan	cccacnanat	ttcnnaacta	tntaagcacg	cnntaanntt	ggnaaaaaacn	780
ccnaattngg	naatcantat	tangganggg	ggacatccat	ttttaaacn	ttnganaatn	840
nnccnaaaaa	cnnatgctnt	tctannngga	agnnccaatn	nggcataacn	aaannntttn	900
gnngnnannc	ananatccnn	tctctnnntc	nnc			933

<210> 4684

<211> 1383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1383)

<223> n = A,T,C or G

<400> 4684

cccnnncnnn	nnncnaccn	anccccnnnn	nnacnancce	nanacngcna	anaannanct	60
nnccnannan	cnnanangnn	ncncaannnc	aanccncnna	anacnanncn	nananncnnc	120
anancnnaca	nnnannanna	nnannncnnn	cntcnanaaa	cacngacnnn	nnnnnnnnang	180
nnnnaangna	ggggnnncnn	nnnnnnccnn	ngagganncn	nnnggggnagg	annnggcccc	240
gttttttctt	gaaaanagnc	cttgggggna	acagggcnan	acantcanca	aggagagana	300
ggcnannana	gggccttttn	naacangcca	nnccacanan	gaacnnncnn	aattcnggaa	360
aatangcgca	cnaaccaggc	anacnactcc	ngcgcacgat	cnccaaancn	ntgggggaanc	420
acatcnnacn	caacnancnt	nncccnana	agcctnangn	ccacnacnaa	ccccnncaa	480
ncganaaac	anccctana	accnaacnca	aanacanacc	caacnnnang	acaacngnnc	540
anncnagcac	cancnatcn	nnccggacc	antnncngca	naccaaagna	caccagcnan	600
ancgnnancc	caaacacaca	gataaaacn	nanagnntcc	atngcataan	cggaannngc	660
accatnctnc	naancaaann	nncccntnna	nccanananc	acttancant	aacacccanc	720
nggtncgacn	acaacngcan	ngcnactaca	tcncaaacac	agccaacncg	acncaaaacc	780

acnacacagc	ccgcgcctaaa	cccttaaccc	tncaanacca	ttancnagac	ctaacncnaa	840
cannncgnac	ggncaccann	nncacncna	tagacccnag	nncnncanac	cggagnaaaa	900
cnntcnggn	tananaaac	aancaccaac	nataangcaa	cngcnagna	cccnaccaca	960
tnnccnctc	anannnaccc	nnacacgcga	ancaccgagc	aacannctgg	gcnaatacnc	1020
tgcacaccnn	ccgccatagc	gacaaanacn	ttcgcanngn	nnnaaanacan	nncgagcanc	1080
cccgnccctnn	naacacaaat	ngcnaanncc	agagcaacca	cacancagga	tcaacaacac	1140
atanngggna	ncngcnanag	agggcaaan	gncacaaaac	cnaaaacata	ctctnnaaac	1200
acacaaaggc	cncgcacaaa	anntnnacn	nncananacn	catcggaac	caccannaan	1260
aaccnnnggg	acgcgcncca	ntnnttccan	ananagnann	naccnccca	ttacgagcga	1320
taancctcaa	aaaacnngga	acantacccc	gaacggcccc	actcantntn	ngnggatcaa	1380
cgc						1383

<210> 4685

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (773)

<223> n = A,T,C or G

<400> 4685

ctaatacnaa	ncnnngcctn	tcgnnctnnc	cgaaanaaan	aggctnnngc	gtgggtgggaa	60
gcgtgcggtg	ccgcagcaat	ggcggcgctc	acaattgcc	cgggtactgg	caattggttt	120
tcggctttgg	cgctcgggtg	gactcttctc	aatgccttc	tcacccccc	ataccattcc	180
acagattttg	aagtacaccg	aaactggctt	gctatcactc	acagtttgcc	aatatcacag	240
tggtattatg	aggcaacttc	agagtggacg	ttggattacc	cccccttctt	tgcattggtt	300
gagtatatcc	tgacacatgt	tgccaaatat	tttgatcaag	aaatgctgaa	tgcccataat	360
ttgaattact	ccagctcaag	gacettactt	ttccagagat	tttccgtcat	ctttatggat	420
gtactctttg	tgtatgctgt	ccgtgagtgc	tgtaaatgca	ttgatggaaa	aaaagtgggt	480
aaagaactta	cagaaaagcc	aaaatttatt	ctgtcggtat	tacttctgtg	gaacttcggg	540
ttattaattg	tggaccatat	tcatttttcag	tacaatggct	ttttatttgg	attaatgcta	600
ctctccattg	cacgattatt	tcagaaaagg	catatggagg	gagcatttcn	ctttgctgnt	660
ctcctacatt	tcaagcatat	ctacctctat	gtaagcacca	gcttatggng	tatatctgct	720
gcgatcctac	tggttctactg	caagtaaacc	agccttttgt	ctgtgggaaa	aat	773

<210> 4686

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (784)

<223> n = A,T,C or G

<400> 4686

gntntttnta	agcgannngc	tacttgctct	ttgcgcgagn	ccntatnttc	naattcggca	60
cgaggnngtc	tcctgagcca	gagtgtgctc	agacagcagt	ccagctggtg	gaaagggact	120
tatggagaga	aaaagaaaag	cgatgtagaa	aaattgaaaa	gaggtacaga	nacagctgga	180
ttggttacag	ctcgggtgtt	gccttatttt	gaacagggtt	tgaacagttg	gccacctttg	240
gttgctcaaa	acttggtgat	tggcacanga	gtangttaca	gtctgtttgc	acatcctttt	300
aggttgcnct	tcactgtgta	cagagaaacc	tttaggctga	acttaaaacg	ngtnaggaga	360
cagctttctg	cttgatttaa	cagtatcacg	ggtgtgtgtt	gngaggtang	gaggtggggg	420
cncttnantn	cnctctncta	ngnntgtgtc	aacntctggt	gcagtatctg	tgcnnnttgn	480

atctnctgga	ancnctnate	taacngactt	ggntaccang	ntnnnccttt	actnantggg	540
tnnangggcc	acccttnntc	ttattnnngn	tggcānaanc	nttcccnttn	ggtnnctngg	600
naaactnttt	atgtggctct	ttgntgnnan	aaganntggc	ttttttnggt	ntgnttaang	660
gttnncnttt	tgnaaaantt	gctcttttgt	nnntntgtnn	actaaacccc	ttttttntaa	720
cccttttana	nnngntnaaa	acnnttttaa	tcnttccnat	gnnnnnaann	nttntnggg	780
cnct						784

<210> 4687

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (751)

<223> n = A,T,C or G

<400> 4687

ggtatagatc	attctacttg	ttcnttctnt	atgcaggatc	ccatcgattn	gaattcggca	60
cgagaccac	ttaggtggcn	ccaatgnnga	cntncagann	gnacagtncn	ttnatnnatg	120
gggnngtgan	ngcntntata	tcataaatct	caagaggnc	tgaganantc	ttntgctggc	180
anntcntgca	nttgtngcca	ttnaaaaccc	tgctgatncn	agtgtnatnt	cctacgggaa	240
tactggccag	aagggctgtg	ctnaagtacg	ctgctgccac	tnagccact	ncaattgctg	300
gccncttnan	tcctggaacc	tttactaacc	atatccaggn	ancntttcgn	gagccanggc	360
ttnttgnggt	tactgaccn	atggntnanc	accagcntct	nactgangca	tcttatnnta	420
acctncctac	cattgctctg	tntaacacag	attctcctct	gngctatgtg	nacatngtca	480
tatccatgca	acagcancgg	gagctnactc	agtgggtaan	gatgtggngg	atgctnnctc	540
ggcaagttct	tcncatgccg	tggcancatt	ttccatgaan	acccttggga	gggnaatgcc	600
tgatcttnna	cttnnacana	aaatcnttga	ngnaaaattg	cnaaatntan	taaaccngmn	660
tntcttgntt	gnгааangcn	natgaacnca	ttggaangga	attttcangg	nnttaantgg	720
ggnnttnntt	anccctccnn	nnanannnnn	g			751

<210> 4688

<211> 1383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1383)

<223> n = A,T,C or G

<400> 4688

cccnncnnnn	nnncnaccn	ancccnnnnn	nnacnanc	nanacngcna	anaannanct	60
nnccnannan	cnnanangnn	ncncaannnc	aancncnna	anacnanncn	nananncnnc	120
anancnnaca	nnnannanna	nnannncnnn	cntcnanaaa	cacngacnnn	nnnnnnnang	180
nnnnaangna	ggggnnncnn	nnnnnnccnn	ngagganncn	nnnggggnagg	annnggcccc	240
gttttttcct	gaaaanagnc	cttgggggna	acagggcnan	acantcanca	aggagagana	300
ggcnannana	gggccttttn	naacangcca	nnccacanan	gaacnnnnnn	aattcnggaa	360
aatangcgca	cnaaccaggc	anacnactcc	ngcgcacgat	cnccaaancn	ntgggggaanc	420
acatcnncna	caacnancnt	nncccnana	agcctnangn	ccacnacnaa	ccccnncnaa	480
ncganaacac	anccctana	accnaacnca	aanacanacc	cacnncnnang	acaacngnnc	540
anncnagcac	cancnatncn	nnnccggacc	antnnncnga	naccaaagna	caccagcnan	600
anagnnanc	caaacacaca	gataaacncc	nanagnntcc	atngcataan	cggaaangnc	660
accatnctnc	naancaaann	nncccntnna	nccanananc	acttancant	aacacccanc	720
nggtncgacn	acaacngcan	ngcnactaca	tcncaaacac	agccaacncg	acncaaaacc	780

acnacacagc	ccgcgcctaaa	cccttaaccc	tncaanacca	ttancnagac	ctaacncnaa	840
canncnagnac	ggncaccann	nncacnccna	tagaccnag	nncnncanac	cggagnaaaa	900
cnntcnggn	tananaaac	aancaccaac	nataangcaa	cngcnagna	ccnaccaca	960
tnnccnctc	anannnaccc	nnacacgcga	ancaccgagc	aacannctgg	gcnaatacnc	1020
tgcacaccnn	ccgccatagc	gacaaanacn	ttcgcanngn	nnnaaancan	nncgagcanc	1080
cccgncctnn	naacacaaat	ngcnaanncc	agagcaacca	cacancagga	tcaacaacac	1140
atanngggna	ncngcnanag	agggcaaann	gncacaaaac	cnaaaacata	ctctnnaaac	1200
acacaaaggc	cnccgacaaa	anntnnacn	nncananacn	catcgagac	caccannaan	1260
aaccnnnggg	acgcgcncca	ntnnttccan	ananagnann	naccnccca	ttacgagcga	1320
taancctcaa	aaaacnngga	acantacccc	gaacggcccc	actcantntn	ngnggatcaa	1380
cgc						1383

<210> 4689

<211> 763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (763)

<223> n = A,T,C or G

<400> 4689

ctngttcttt	tttcaggatc	ccatcgattc	gaattcggca	cgaggatcag	atggtttaac	60
tnntgnggca	gnngcgagaa	anctntgatg	atngangaca	nntttttaag	aaagcaagaa	120
anaaagatac	tatggggtca	agtgtactc	catggaaatg	ccacgtntgc	tcttcagtga	180
anaagctggg	tnanagttnn	acngaaaact	tttgactgta	tntatttatt	gntgcaaaaa	240
agacgttttt	atattgcngc	cctcatttgt	cacctaagna	tnncttctta	taaaatccag	300
ccccggatnc	atataancat	ctgtanctna	tcatgattcc	tgntgnaaaa	gtcancnacg	360
acctntagan	gncttttctt	nctatgaaag	gagctgctat	gncacatgtg	cacacnccgc	420
acaactgggn	atnaacaatg	agtttattgn	ncntggtgga	ccaaaattaa	gcttgcntaa	480
gggttgngct	aantggacct	ggactacaga	ctctgacgcc	ttgaatataa	cagtacaatt	540
tggcnatttc	tctgaancag	gctaaactga	gtaaaatctn	tttgaaggng	tcctnggtgt	600
gaacatttgc	cnngaagcta	attagnnct	ntnngnat	naaattcaac	ctntggngtg	660
gaatatgaaa	ccnanntnaa	acggagataa	ctttttctcc	ccncanaaan	tnaacnttgn	720
gntccntaaa	ccnttttagg	ggatncnaaa	ncnttnnnnc	cnc		763

<210> 4690

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (805)

<223> n = A,T,C or G

<400> 4690

gnnnnnnntt	tgananccat	cnntttaaat	ncattttgct	actngttctt	tttgcaggat	60
cccatcgatt	cgatcagtat	gaactcttaa	aacatgcaga	agcaactcta	ggaagtggga	120
atctgagaca	agctggtatg	ttgcctgagg	gagaggatct	caatgaatgg	attgctngga	180
acactgtgga	tttctttaac	cagatcaaca	tggtatatgg	aactattaca	gaattctgca	240
ctgaagcaag	ctgtccagtc	atgtntgcag	gtccnagata	tgaatatcac	tgggcagatg	300
gactaatatt	aaaaagccaa	tcaaatgttn	tgacacaaaa	tacattgact	atttgatgac	360
ttgggttcaa	gatcagcttg	atgatgaaac	tctttttcct	tctaagatng	gtgtcccatt	420
tccccaaaaac	tttatgtctg	tggcaaagac	tattctaaag	cgtctgttca	gggtttatgc	480

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ccatatttat caccagcact ttgattctgt gatgcagctg caagaggagg cccacctcaa      540
cacctccttt aagcacttta ttttctttgt tcaggagttt aatctgattg ataggcgtga      600
gctggcacct cttcaagaat taatagagaa acttgatca aaagacagat aaatgttttt      660
tntanaacac agttaccccc ttgcttcacg tattgctaga actatctcat tgctatctgg      720
tatagactag tggaacaaac ttttaagaaa acagggataa aaaagaaacc cattggctgt      780
ggctactgat aaaaatatnc ccaan                                           805

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<210> 4691

<211> 1197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1197)

<223> n = A,T,C or G

<400> 4691

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aggggtttac actnctaaaa ttnttgagct nncgntgggc gnaaaggggg cnccttaaa      60
naanttaagg ccncctnaa aaanaatcag ggannattnt gggggggcct tgnggggggg      120
gtcatctatc nnnacaccnt aantntatta cncatagata ctcaattncc ntctctagna      180
natnnnnnga tcttntcgg ctntnnancc nctcctacta ttactnctna aacgtncenn      240
catantctnt ntacacatat atctnanata ctatacatat antntcatan tnttactact      300
ctnatntctc ntctacatct ctanttatnn nctnctnct ntctnctnct tantctcata      360
tctnnacgac nnactatttt tntctcnnnt cctnctntcn cnnntttanc cccnatnann      420
atctntcacc nttnattttc naatactcta tctattantt aactatctnc tntttcnnnc      480
nnntnnnnct atnnnncttc tananactcn tccnctnnnc tnnnnnnnn taantcnnntn      540
cnnctctctn tnnnnnnntn tgnnnancct nactaanntc nctnnctcn ntnattanna      600
nattnttaca nntctccct ncanctnnnn natnttatan tcttnttccc nnttcantnt      660
anatntntn nctancnntc nntaattcaa nattnatntc atctcnnnt ntnnancat      720
nacaatnacc nccannctac ctaatnttna tcnctacna cncnnnnctn tanccnnata      780
tnactnctnc antcnnntn natctctnt tncacactc cnnngantat actnnnnaca      840
cttcttatat nntntacntg tnatcacctc ttnacntana tatnnatcan actnatanaa      900
agcactactat catcttacct nctntnatat accatncacc aatcacttan tntatncatc      960
tcannacanc tccacatatn actcatcnct aatatgtctc tataatnnntn catctactca      1020
ntcacnnnna ctctntagat atatnctata ctncancnta tatntatcna ttcacttaca      1080
nantanctcn catctnttgn nctatacnat aattgtntct catatntntt tctcctacan      1140
nctttatctc gatnnttatc ntgtancncn nnttatctc natatnacat atcacat      1197

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<210> 4692

<211> 1050

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1050)

<223> n = A,T,C or G

<400> 4692

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nntnancccc nacngctttt cntntccaat nncctaaac anaaaggggc tggggcnnag      60
cnnagaacac atacaganan anacancnaa gngnctaggt ttttcacctt ttnnacnncn      120
aaancancac gnnccgagtn ncgcagaacc ngcgcnncna gcnnnnngan ncgcnngann      180
nccncgangg cttagagccc nnnngnnaga ggcancaacn aaccatcacc annccaann      240
cncatnctnn tcngananga ganagcaaca cctgnatnc naacaagaac ccanaantan      300
aanccannaa gtnanaaann agancatca nncgaanacc catntnacn cccanagnn      360

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cnnnnanctn	anagnccagn	accnnacnnc	caancccnnn	cgacnaaaan	accnctaca	420
nncgaatnecg	naanntccan	gaccanctca	nnctntctcn	annngcnctc	nnncanntnn	480
accnnaant	gccanncnan	tccccananc	nnccntncca	aacntnanc	ccacnccata	540
gccanccaag	aaccnncaaa	cnnctncgnc	annctgatnc	ncatcnccac	cnctgcgnat	600
acgnntnanc	acntcaccia	ncacgcaaaa	accnnaannnn	nncanacga	cnggacancc	660
tcnctacgcc	nanгнаатсн	nccnccact	cactcacctn	nnctacntac	atnagtnaaa	720
nanccctcat	ctagaccaga	acnncacta	tctacnactn	annctnnana	gacacagnca	780
caatcntnan	actnacacga	tcncanacac	cccaactccc	ncagcaaang	ctnnncnatca	840
ncnactcatn	cnactctnta	ctaaacgctn	nnntcacagn	gcgnaccana	annngcnata	900
nacatncaen	naaanacgna	ccnncgatnt	ctncactann	acncaagtnt	cnnntcnntn	960
nnactcaan	cnactnanga	nnnnatgcgg	tactcgnaga	aatctcngcc	catagncnca	1020
cacannancc	ccctacgcac	anntcncccc				1050

<210> 4693

<211> 776

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1) ... (776)

<223> n = A, T, C or G

<400> 4693

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taagtattct	aggatctaca	gttatggtca	ttcatgctcc	aaaggaagag	gagattgaga	120
ctttaaatga	aatgtctcac	aagctagggtg	atccagggtt	tgtggtcttt	gcaacccttg	180
tggtcattgt	ggccttgata	ttaatcttcg	tgggtgggtcc	tcgccatgga	cagacaaaca	240
ttcttggtga	cataacaatc	tgctctgtaa	tccggcgctt	ttcagctctc	tgtgtgaagg	300
gcctgggcat	tgtcatcaag	gagctgtttg	cagggaagcc	tgtgctgcgg	catcccttgg	360
cttggattct	gctgctgagc	ctcatcgtct	gtgtgagcac	acagattaat	tacctaaata	420
gggccctgga	tatattcaac	acttccattg	tgactccaat	atattatgta	ttctttacaa	480
catcagtttt	aacttgttca	gctattcttt	ttaaggagtg	gcaagatatg	cctgttgacg	540
atgtcattgg	tactttgagt	ggcttcttta	caatcattgt	ggggatattc	ttgttgcatg	600
cctttaaaga	cgtcagcttt	agtctagcaa	gtctgcctgt	gtctttttcg	aaagacgaga	660
aagcaatgaa	tggcaacttc	tctaatatgt	atgaagttct	taataataat	gaagaaagct	720
taacctgtgg	aatcgaacaa	cacactgggtg	aaaatgtctc	cgaagaaatg	gaattt	776

<210> 4694

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1) ... (768)

<223> n = A, T, C or G

<400> 4694

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tccaaagtca	cttcacatt	ttcgggtatc	cttatagcag	cacccactc	taccagtacc	180
aattttactgt	attagtccat	tctcatgctg	ctataaagaa	ctgctcaaga	ctgggtaaatt	240
tataaaggaa	ggagggttaa	ttagaccacg	tctctnaggg	tcgcaaggcc	tcangaaacc	300
tacaattatg	gtgaagggg	aagcaaatgc	cctctctcac	atggtggcag	gaaggagaag	360
taatgaqaacc	aatgagqgga	qangcccctt	ataaaaccat	cagatcttgt	gagaacttac	420

tatcatgaga	atagcatggg	ggaaactgcc	ctgtgattca	attacttcca	ctaggctcact	480
cccaccatac	atggagatta	taggaactac	aattttacgat	gagatttggg	tgggaacaca	540
gccaaaccat	atcaagtatt	aacagnagaa	ttaaccangc	tgaggaanga	ctctcagagc	600
tcaaagactg	gttnttcaaa	atacagttnn	nccaaaatnn	aaaannaaaa	aaaaactcgg	660
cctntaaaac	tatantgagt	cgtattcgta	gatccagaca	tgataagata	cattgatgag	720
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<210> 4695

<211> 768

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (768)

<223> n = A,T,C or G

<400> 4695

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tccaaagtca	cttccacatt	tccgggtatc	cttatagcag	cacccactc	taccagtacc	180
aatttactgt	attagtccat	tctcatgctg	ctataaagaa	ctgctcaaga	ctgggtaaat	240
tataaaggaa	ggaggtttaa	ttgaccacag	ttctnagggt	tcgcaaggcc	tcangaaacc	300
tacaattatg	gtggaagggg	aagcaaagtc	cctacttcac	atgggtggcag	gaaggagaag	360
aatgagaacc	aaatgagga	gangccctt	ataaaaccat	cagatcttgt	gagaacttac	420
tatcatgaga	atagcatggg	ggaaactgcc	ctgtgattca	attacttcca	ctaggctcact	480
cccaccatac	atggagatta	taggaactac	aattttacgat	gagatttggg	tgggaacaca	540
gccaaaccat	atcaagtatt	aacagnagaa	ttaaccangc	tgaggaanga	ctctcagagc	600
tcaaagactg	gttnttcaaa	atacagttnn	nccaaaatnn	aaaannaaaa	aaaaactcgg	660
cctntaaaac	tatantgagt	cgtattcgta	gatccagaca	tgataagata	cattgatgag	720
tttggacaaa	ccacactaga	tgaggga	aaatgttttt	ttgtgaaa		768

<210> 4696

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (764)

<223> n = A,T,C or G

<400> 4696

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agaanntgaa	aaaatggng	anctcacc	ggtaanggat	gatgaagtnt	tnatggctnn	180
tgcatactat	gcannanttn	tncttntgna	aatgatgcnt	atgagtactg	taanngnntt	240
ctatncattg	ncaagaangg	ntnttgncaa	tncatangac	tgtgtagcat	tcggcanagg	300
agaaaaatgnc	aagaactatc	ttcgaaacaga	tgacanagtg	taacgggtac	gcagagncca	360
cctgaatgac	cttgaaaata	tnattccatt	ncttgnatt	ggcatnctgt	attccttgag	420
tggtcccgac	ccctctacag	cnntcctgta	ctttagacta	tntgtcggag	cnccgntcta	480
ccacaccatg	tgcatatttg	acacccttt	cnatccaaa	tatagctatg	actttttttn	540
gtaggatatg	gannactctt	tccatggctt	acacngtgc	gtaaagtaaa	ttggccctgt	600
gcagaaaaac	gtnttccaan	tggtctntta	aggaattctn	gaccttgcaa		660
ttnatantgg	agnnctttcc	ttaaagattta	aaggtttgan	ggngagccnn	aggaattntn	720
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<210> 4697
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (744)
 <223> n = A,T,C or G

<400> 4697
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 gcggggcggc gcagcccgag ctcccgacc cggaagaagc gccatctccc gcctccacca 120
 tggagcccac cgcaccgtcc ctcccgagg aggacctcac tgaagtgaag aaggacgtga 180
 gtaacgcagc tgtgcccgag gcgggcgggg gcgggctgca gccagcgagg agacgaaagc 240
 ggaagcctgg agtccgagga caaggaggat cctccaggtc ggaggagcgg aaagtcctag 300
 cacaggagga ctgtggcgag ccctgcatcc gagggacctt ggtggcagt atcctccagt 360
 gatctgtcaa tccaggtttt acatcgctaa acgcagagct tgggctttgt tgccaagtgg 420
 tgttttgatt cttgcccaact cctcaccat ctctcatgc tttccccca actgggttct 480
 tggagatgct tcgttaggga ctggcggtc agattcatcc ttaagtcagg ctgcctaggc 540
 tgctcaacta gcctagagcg aagctgtacc aggtgaagga tccaagcag tggacaaaa 600
 atgtgaaact cttttgcata anggggcttg aggaagctca acagctgaaa gcacaacctg 660
 gaattcccct agtnagcaga cgccacata tttaaattgg ggttggggga atgaatacnc 720
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<210> 4698
 <211> 1224
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1224)
 <223> n = A,T,C or G

<400> 4698
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 atcgtttcga atncggcncg agacgacacg cttctgcagg tgaanggcac gcggcgccca 120
 cggtttcttn nagctgngnc gtatgaagct ggatggngc nntgnggana angtagngct 180
 tgatntgcta ataagaaatt tcttgaaaa gagactagct ctcaacgcat ccncggngc 240
 ggcggcttc cngcncncn gacaannanc tcgncaggng ccngnatncg gancantnct 300
 cncanaacaa gggcgctggc gccagaata gacaangngc ggcattggcca acnaaacgg 360
 tggcctncgn ctggcaanga angtgaagaa ggcngtcann ncnaagnnta nccaaantgn 420
 cctatgncn naatgttgag ctctntnaaa attcnnanc ttntnnnan tgnnaanta 480
 nncacanca ggttttcatt nnacncanta ntannntctt nnanganct nncattagn 540
 ccatntctnt tacattnaat tccaatncg tnttggttg nccgccact tgcnttctnt 600
 annctgcnn ncttcnnn cncantnnn ngactgtnat cnttngtnnc tactcttnt 660
 gcattncntn cntatcaacc ccaattgcc nntnaatta ancganttc tctcattcg 720
 ncatnncctc nctantattt actcgnntct acnanttnc ccaccgtntt tannngctnt 780
 nttntntaaa ccnntctn antccnaca tacgcnatnt tttacacacc tnttcttctc 840
 nctcnggcta tanngacccc ntacattatc tcatctcanc tctnatacnt gtcncttat 900
 cngngntatn ctnttctatc gegncnnc nncggcctc acatnttng nctcncnt 960
 nnatnanc tacaacttc tcnntcatn tgtctcaaaa actngnanc actcttnact 1020
 tnnaganaa tntatctnnc catactcatc tnttcatagc gaatctntnt acntctggtg 1080
 tccnctct gttagntngg acacttcttc tngtctctt ncnatnaa ccgntatgtg 1140
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atantgggng acacantngn tnnt

1224

<210> 4699

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (803)

<223> n = A,T,C or G

<400> 4699

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gaattcggca	cgaggcaacc	ttcgcctcct	gggttcaagt	gattctcctc	cctcagcatc	120
ccaagtagct	gggactacag	gcacgtgcc	ccacaccag	ctaatttttg	catttttagt	180
agaggcaggy	tttcatcatg	ttggccaggc	tggctctcaa	ctcctgatct	caagtaatct	240
gcccactttg	gcctcccaaa	gtgctggcat	tacaggaatg	gagccaccgc	gcccagcctg	300
atttcttttt	ttaggtcttg	tcaggaaaga	tattgattct	tttgattcgt	gaacatgggt	360
tttggctgct	tttaatttgt	ctcatcagtg	cctccatgtg	tttttgatgc	ctttgaactg	420
gtatttttaa	aatttcaatt	tctaattgtt	cattatagaa	acacaattgg	gttttatata	480
ttggcattgt	attttgcaac	tttctaaac	tcactagtaa	ttctagtagc	tttttttggt	540
agattcttaa	ggattttctg	tgtaaatagt	catgtcattt	gtgaataaag	ccattttttt	600
ttccttttca	aattttgtgc	cttttatttc	ttattcttac	catatcacat	tggcaaagac	660
ctncagtatg	atattgaata	aaagtgggtg	gagaaaaaca	nannttatnn	tnnnnnnnnt	720
cnnnnnncnn	ncnntnnnct	ncnanccttc	cnnnnnnncn	nnnnntcct	tacnnnnnnn	780
nnnccccctt	ttaaanttnn	nnn				803

<210> 4700

<211> 770

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (770)

<223> n = A,T,C or G

<400> 4700

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togaattcgg	cacgaggttc	gtcgtggcaa	cgttgctggg	gacagcaaaa	atgaccacc	120
aatggaagca	gctggcttca	ctgctcaggt	gattatcctg	aaccatccag	gccaaataag	180
cgccggctat	gccccgtat	tggattgcca	cacggctcac	attgcatgca	agtttgctga	240
gctgaaggaa	aagattgatc	gccgttctgg	taaaaggctg	gaagatggcc	ctaaattctt	300
gaagtctggg	gatgctgcca	ttgttgatat	ggttcctggc	aagcccatgt	gtgttgagag	360
cttctcagac	tatccacctt	tgggtcgctt	tgctgttcgt	gatatgagac	anacagttgc	420
gggtgggtgtc	atcaaagcag	tggacaagaa	ggctgctgga	gctggcaagg	tcaccaagtc	480
tgcccagaaa	gctcagaagg	ctaaatgaat	attatcccta	atacctgcca	ccccactctt	540
aatcagtggt	ggaagaacgg	tctcagaact	gtttgtttca	attggccatt	taagtttagt	600
agtaaaagac	tggttaatga	taacaatgca	tcgtaaaacc	tttagaagga	aaggagaatg	660
ttttgtggac	cactttgggt	ttcttttttg	cgtgtggcag	tttaagttat	tagtttttaa	720
atcatncttt	ttaatggaac	aacttgacca	aaaatttgc	acagaatttt		770

<210> 4701

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (756)

<223> n = A,T,C or G

<400> 4701

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cgaggaggag	gacgacgaag	aggaggagga	ggaaaaggag	gtggaggagc	agcagcagca	120
gctgcagcag	ctaataatgtt	gtacttattc	tgtgctgggc	aaaattctgg	atatttttca	180
tgtactat	ttt aagcctcaca	aaaatccttat	gatataaggaa	atgcttgttt	ccatttggca	240
catgaagaaa	ctgaanaaca	gagaaatgtg	aaacttgcgc	agggtagtct	gtccagagtc	300
tgtatttttaa	ctactgctgn	gttgcctccc	attgcatagt	gacttcacgt	gtatagggtg	360
ttttatcatg	cgaggaaata	tttgagtata	aactgtatgt	ggtacaaatc	attttttcca	420
aatgggaata	cagtgtgttc	cctaaaatta	atgaatccaa	tataattcca	cctaanacaa	480
ttactgagtt	ttttctttgt	ggttgcagag	cctaactcat	cccatttccc	tccctgtcac	540
ttttcat	tttt taggatttgc	atcttcata	ttagtgaatc	tttgatctaa	tagntctggc	600
tatttaatat	tagtttttaa	acatcttttag	caccgtcttg	gtanctttat	tcctttcttt	660
ttacctagac	agtttctctt	aggacaaatt	ctttttgttc	cacttctctt	tgatctgcta	720
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<210> 4702

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (760)

<223> n = A,T,C or G

<400> 4702

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aggtgtcaaa	tttcttgtca	ctcttgctca	aaagtgtcct	gcagctaagg	agtncttcaa	120
ggagaattcc	caccactgga	gctgggctgt	gcagtggcta	cagaagaaga	tgtcagaaca	180
ttactggaca	ccacagagta	atgtctctaa	tgaacatca	actggaaaaa	cctttcagcg	240
aaccatttca	gctcaggaca	cgtttagcgt	tgccacagct	ttgttgaatg	aaaaagagca	300
atcaggaagc	agtaatgggt	cggagagtag	tcctgccaat	gagaacggag	acaggcatct	360
acagcagggt	tcagaatctc	ccatgatgat	tggtgagttg	agaagtgacc	ttgatgatgt	420
tgatccctag	aggaacatgc	ccagcctgag	aggagtcaag	acacaatact	ggatgctcag	480
caccttcttg	gaatcagaat	ctcgaaccct	ttggaagagc	ctggagattg	gactgggaaa	540
gctgctgtga	cttgggcgga	tcgtgtat	ctcaaggaaa	gcatttttaa	gccctagaag	600
gtttgggagc	tgtttggcag	tgggagaact	ccggcatgtg	gatcaactgt	cccgggagcc	660
tggtctatat	gtggattcac	atctctgtgg	agattttcng	aaatgaaccc	gtggcagact	720
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<210> 4703

<211> 805

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (805)

<223> n = A,T,C or G

<400> 4703

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atctgagaca	agctgttatg	ttgcctgagg	gagaggatct	caatgaatgg	attgctgnga	180
acactgtgga	tttctttaac	cagatcaaca	tgttatatgg	aactattaca	gaattctgca	240
ctgaagcaag	ctgtccagtc	atgtntgcag	gtccnagata	tgaatatcac	tgggcagatg	300
gactaatatt	aaaaagccaa	tcaaatgttn	tgacacaaaa	tacattgact	atttgatgac	360
ttgggttcaa	gatcagcttg	atgatgaaac	tctttttcct	tctaagatng	gtgtcccat	420
tcccaaaaac	tttatgtctg	tggcaaagac	tattctaaag	cgtctgttca	gggtttatgc	480
ccatatttat	caccagcact	ttgattctgt	gatgcagctg	caagaggagg	cccacctcaa	540
cacctctttt	aagcacttta	ttttctttgt	tcaggagttt	aatctgattg	ataggcgtga	600
gctggcacct	cttcaagaat	taatagagaa	acttggatca	aaagacagat	aaatgttttt	660
tntanaacac	agttaccccc	ttgcttcac	tattgctaga	actatctcat	tgctatctgg	720
tatagactag	tggaaacaa	ttttaagaaa	acagggataa	aaaagaaacc	cattggctgt	780
ggctactgat	aaaaatatnc	ccaan				805

<210> 4704

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (707)

<223> n = A,T,C or G

<400> 4704

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tttgagttcc	ttacagaatn	ttctgttaatt	tannacttca	agtgaacttat	aaatgtatat	180
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ttccnaaaag	atcagatccc	ccgntatgaa	ggatcttaac	cttgtctttt	agatctccat	420
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ttataacctg	taaaagtgtg	atgacttcat	gctcaggaga	aagcaagtaa	ttacctagcc	540
aagccagggtg	ggtgttcagg	ttagtgggtca	acagaaagga	gatgttgaaa	gatttcatat	600
ctnaagggtg	aaaacacaag	agaagtatat	agagataaac	atgtaaaagtn	taagactgta	660
ccatagtaag	ctaccttcga	agtggcaccc	ttgttattat	ttttctg		707

<210> 4705

<211> 845

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (845)

<223> n = A,T,C or G

<400> 4705

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anatgccacc	nnmtgcntg	ntnaccnnna	cgnnncacac	gnctacctgn	gggacatata	180
cttcattgac	nggttatgnc	cntaccatga	annctactg	acancnnaac	nngancnngn	240
tggtgannac	atgaataaac	cactgnacna	agaacntant	ggaatgntan	ctnnntatgt	300

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ccttnttccn gnggaaggag nggacaacnt ttancaagtn ncagntccaa ancnaacnna 360
nccaantata ntnaaantna gngetgccan tttngtggac nccttgcna atnnnnanng 420
ctctctnnna ccgntngaaa ttttncataa caccatattg nccatgattc tcattgntgn 480
aagacantca ttcnatntac cagatnnatc ttggngncnt ntntncnngc atnnngnnca 540
ctaaaaactg ntntnctaac taaataggat ttntnttttn ttatacnngg anaaaatgng 600
agttgtgccn naactntcat nngcgatant tacannaant tgtacttgnt aaatctaaga 660
atctaagcn angacttaaa aaanangccn ttagaactat agggagtcna nttacgtcta 720
tnccnacatg nattgatnca ttcacgactt ngtccaaacc anatntntaa ttcctgaaan 780
taaagtntnt ntttngnana anntggaaaa gcttcncaan nttntaanc ctaaaaccng 840
gntnn 845

```

<210> 4706

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (775)

<223> n = A,T,C or G

<400> 4706

```

gcaaccgntg gctacttggt ctttttgcag gatcccatcg attcgaattc ggacagaggc 60
aaccttcgcc tcctgggttc aagtgattct cctccctcag catcccaagt agctgggact 120
acaggcacgt gccaccacac ccagctaatt tttgcatttt tagtagaggc agggtttcat 180
catgttggtc aggtgtgtct caaactcctg atctcaagta atctgccac tttggcctcc 240
caaagtgtcg gcattacagg aatggagcca ccgcgccag cctgatttct ttttttaggt 300
cttgtcagga aagatattga ttcttttgat tcgtgaacat ggtttttggt cgtctttaat 360
ttgtctcatc agtgccctcca tgtgtttttg atgcctttga actgggtattt ttaaaatttc 420
aatttctaata tgttcattat agaaacacaa ttgggtttta tatattggca ttgtattttg 480
caactttcct aaactcacta gtaattctag tagctttttt tggtagattc ttaaggattt 540
tctgtgtaaa tagtcatgtc atttgtgaat aaagccattt ttttttcctt ttcaaatttt 600
gtgcctttta tttcttattc ttaccatc acattggcaa agacctccag tatgatattg 660
aataaaagtg gtgagagaaa acanannnna nnnnnnnnnn nntnnnnnnn nnnnnnnnna 720
ntnnnnccnn nnaantnnn nnnncnnnat ncnnncnnnc cncntttgnn antnt 775

```

<210> 4707

<211> 1102

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1102)

<223> n = A,T,C or G

<400> 4707

```

gggnttcccc ctannaaccc nttggaaanc cnetggngct ncntgcagga tcccagcnat 60
ngcactgagc nntgnggccn acggcngagc cntttttcng cgagacgngc ccnncanggc 120
nccggggngc tcgtgctggn nagccnatgg gnagcannna ncnaancgg cctnccnana 180
ccagagnnnc anaacgnacc nagnnngtgg gcncncccta ngctnaggac anaatannta 240
nnctancag ctgntngggc ncgcannaan ggnanannnn caggeccnnc aanntaagct 300
ncnngaana cncgntntat acncccnana naagnncnnc ngntaacaac gccaggcgga 360
gcnttcgngg ananancac gagngncccg cctaaggaaa tggncgccna nancagnacc 420
ccgaanaana gtantngngg tnnntaancc gagngaacgt gacaggcggn acgcaccgac 480
atngggcnaa anagaatcgc ctngngnca catcgngna cnagnganaa cgtncaacgn 540

```

acannecngc	accnntnnn	acnngtcana	cgaaacnncn	cncgcatntg	agagcncggc	600
gcncctcctg	caaggggngg	cttcnnnacc	cccgccnaaa	nanttnnnag	aatcccncc	660
nagacgtntt	ataccnnaga	cacnaccnng	accnngcggn	gcantagtcg	nanagagagg	720
ctnggtagn	ananncantg	cgcncgnntc	ccnttcggcg	cncnanaana	agcccagcgc	780
tntngaannng	tggcncccn	ntgngnncgc	gcnagncacc	cnggtggcga	aaacacnggn	840
angngccnnt	nnnaacncan	nggggggggc	nanaacccgg	ggggaaggcg	tnaccngcan	900
aangnggaaa	acngcccaca	nttnnnctcc	gccnggcant	ancccnnga	acatcgnggn	960
gcannncccg	gcanngnccc	cggccaggcn	ggcgnnnccc	aggnaantta	cgnaccggan	1020
ncccggnncn	acnncnaggn	ncccnanacn	nnggnaccnn	ngncngnggg	gnnacgatgg	1080
ggncnngcnn	gnnctgcca	ca				1102

<210> 4708

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(855)

<223> n = A,T,C or G

<400> 4708

ggtgcttccc	cctgngaacc	ctttntacag	gcnaacttga	ntttntgcan	gatcccatcg	60
actcnaattc	ggcacgaggg	catancccg	aatngngttt	ttgatgcatc	cagtcgtggc	120
attgcaagaa	gtctgtctga	tgaagctcgg	gaagcatttt	gcaatattcc	cttnggctgn	180
gttctgtgtg	tccctgtctc	cacttatctt	cccctggttt	gtgattatta	ggagagaggt	240
tntgcaaaga	ctcnmtgctg	tgaagaatc	ttttnttaat	tnttatccta	nagtcantca	300
cttttattcc	aggnaagtc	gctgatctac	ttatccaaag	ccagcnaacc	aggntcatcc	360
taccatcctc	atggaagact	gtgtgtatga	attggagtaa	cagaactgaa	ntacacttaa	420
ncagtgcacg	cactacttcc	cagggtgggg	gccatatttc	tctgngtcct	actctgagca	480
acttctcana	gatacgangg	ggctagggtt	ttcccatntg	gggaaatggg	gtgaaagmct	540
gcanatngnt	aaaagcaaat	gttngaacca	ncaataaatn	agatnnntcn	ncatngnmca	600
atnnngcact	antnacnnnn	ntnganannn	cgtanmtnnn	ctnecncnnc	tnggnagtnt	660
cncnnggnnc	tctnnattcc	tcgnnanng	atcngcaatt	ggnaanttca	nnaatntggat	720
nnacanctat	ncgtgancna	atnaacntac	nntgngnngt	acnacnacnn	tnactatcnc	780
atacgcgntc	naaaancgat	ntcacgtntn	cacnattngn	anatatcann	ttntctnnc	840
ttgntctatt	naccg					855

<210> 4709

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(843)

<223> n = A,T,C or G

<400> 4709

tnnnnnttta	nttttaatat	actncagctc	ttgttctttt	tgcaggatcc	catcgattcg	60
aattcggcac	gaggaaacatt	cggactcgag	ataatcgctg	ccttggggag	tgggacttgc	120
ctgagctgtg	cagcgactgg	tggagctaca	gaacacgagg	gtcccaaagt	ccgaagaaat	180
tttctgagcc	tttgtacata	gatgaggcaa	aaacctgcga	gtgccatcag	cctccctcac	240
atgggagacc	ccaaccagc	tgacaatgtg	gagcccccag	aacttcagaa	ctgggtggagg	300
cacatgtctg	ctctcctgaa	aagagacttg	gtttggggac	cccacaaaag	gagggaagct	360
gtagctgttt	ggatgtgagg	agaatgaaac	tacaaaaaaa	aataaattgg	gccaggcgca	420

```

gtggctcatg cctgtaatcc cagcactctg ggaggctgag gcggacggat catgagggtca 480
ggagatcaag accaccctgg ctaacacggt gaaaccctgt ctctactaaa aatacaaaaa 540
attagcccg gcatggtggc acacgcctgt aatcccagct tcttaggagg ctgaggcagg 600
anaaatcgct ttgaaccnng gaaggtagaa ggttgcantg agcttgaaaa ttgcgccac 660
ttgcaccccc cttaggcgac aagaaccgaa gaacttttgt ctnttaaatt aaattaantt 720
aanttaantt aanttccaa cctgggggna aaaaanannn nnnnnnnnnn nnnnnnnnnn 780
nnnnnccctt cganccttnt taaaaacttn ttagnngagg tcggtnttta ccgttaaaat 840
ccc 843

```

```

<210> 4710
<211> 1501
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1501)
<223> n = A,T,C or G

```

```

<400> 4710
naggagcaa gggcagggtt ttnnncngnn ctaannnnann tnnagaaacn acggccttttg 60
nggttttanng gncnaaaaaa cccccncaat gcaggcncca gcagananan aaggagncgg 120
cncggggagg nggnaanana nnnncatana cngacgaga gngganacn nntaacagaa 180
gacacaccan aacacnngaa cncancacaa agantcncan acctaannng cgacgaanac 240
ncnacacntn tttttttt cnaanaana cnaaannag agngaacgca nnannagnac 300
acnnacnacc acgaggggga gangnacnan agagnggaca acaagagaag aaanaacaan 360
ccaacacgcn cngaacaaca acacccccng acancacaan aacacananc gcaccaaaaca 420
ataanatcag aganacacac agaccaacan aacacncaac acnngcnaaa ancnaacgaa 480
gnaaanncaa acaacnaaan ccacaacgna gancannnac nacacaagna aaaaaatnna 540
nnanaananc aaanncanaa accnaaaaaa nncacanana acananaatn cnaancnaa 600
ccaancnaca nnannanacc ncacagnant aanaaanaac ngnnacanaa nnacacagag 660
acanacacac naticnnaca ccanacaac caanancga canactacnn aanannnnna 720
ncnaaacanc gacanagnna nacaacaaca gnacacgnaa ncatncncac nanagcanan 780
nagcnataac accgnangag aaagatacnn acatnaanan ctanaaacgc ataccngcg 840
cgncatanaa nagnacnnan ananataata gcaanaana cacnnaagca naaacaacac 900
angncaacaa naacaaaaag anagaatcnc acagacagng cantnacgca cacaactaga 960
cacacaagng anacaacgac acaanataga taagananag anagnnnnag aaaacncaca 1020
cganacncaa cacgaannac aganannnac cacnnaacac aangagcacc nacancaacn 1080
ananananca ccancnanna nnnaanana gacacaaaaca cncnatcaa annnaagacn 1140
acnncacaca nagatanaaa naanagncga ccgcagnnaa acaccacgac aggaacanaa 1200
nnncnnacna nananngaaa nngtananng agggagagcaa angaaannaa cacantangn 1260
nggaacacaa anaanancan annnccatna aaganaanna cannaacncc nganaaaaaan 1320
ggaaacacan aancanaccg naanaananc nncnnanana nnacaaaanc accntagaan 1380
cncanaanac ngaacnaaac acaacnnnan canacaaccg aatnaaannn ncancacaaa 1440
tgnntnanac caaaganaac nanancannn caaaacnaca cncncgaagg ntnnnaacnn 1500
g 1501

```

```

<210> 4711
<211> 806
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(806)
<223> n = A,T,C or G

```

```

<400> 4711
tttttaaaac ttttaagccc ttgtgcannn gcaggatccc atcgattcga attcggcacg      60
agaatagtag aaaggggtccc cattcctgct cagcacnttt cctctctacc ccccccacaga      120
cacacatgct gacacacaca tgcngacaac acncatacac acacatgcag gcactcacat      180
gcaggcccat gcacacacac gtgcacacac atgcaganac atgnagacac gcaggcacac      240
atgcacanat gcaaagacan gcatgcangn acacgnagan gcaacagaga canacatgca      300
gattcacatg cacacacaca tacacacact ggnccctggt tttctgtggn gtcactgggt      360
gccagnaaact ctgtatatta cacctancac taaaacctgg gccttaattt ctctcccgtc      420
cccaccctca aattcctgat ggatgaacct aagaacttnc ctgtacactt caagccggac      480
tgactgtagcc tatgggcccc agnagggtcca gngccnactt ttaattttct ttntaaaaag      540
ctttaagtct tgctgggcgc ggtggntcac gcctggagtn ccantatttt tgnggaggcc      600
aaagcngntg gatnacaacg ngcactgggt cgngancanc ctgaacaaca tgggggaaaa      660
ccctggtttt taattggaaa taaaaaaa atnngcttgg gccanggtgg anaggcacnt      720
tgtgaactca acctccaggt tttttggggc canaaagcat acccccacna ngcccaattt      780
aatttnttaa agggaatcct tggtag                                           806

```

```

<210> 4712
<211> 695
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (695)
<223> n = A,T,C or G

```

```

<400> 4712
agattaaaga ggaaagcaga gactgggttag gttattatag tgtcctaggt aacagttttg      60
gacaagtgtg ataaatgttg aggtgggagg ggttagaggt tggattcaga ctctgttttg      120
taagtagaga agataatgtc tgctgatagc ttggatatga ggaggaaaag gagaggagta      180
aaggatgact cagatttttg acctgtcaat tgggtgaact ctgagattaa attctgtttt      240
ggctatgtta ggttggaat gctgtgtagg caattggata tccaagtctg gacttcaaga      300
gtacaatttg ggactagaaa attaatgttg gagtcattag ggaataacca tgactttgga      360
tgagatcacc tagtacagct agagaagaga aggtagcaaa agacaganac ctaaggatatg      420
ccagcattga ngaagtanag gagaaganga nccatccnnn ngactgncaa ggaccacca      480
gttgacctta gaagaaaaat caggagcttg tattctggaa accatcngaa gaaaatgttt      540
cacaaanagg gaagtagtat tgaatggtgt naaatgttac ctatattcct ggnaaaaaaa      600
ccacttcanc tgctttttta agtaaattgt gatantttgt actgcaaata nctttccata      660
ntncttttca aaacatgnta ttttnggncc ttttaa                               695

```

```

<210> 4713
<211> 998
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (998)
<223> n = A,T,C or G

```

```

<400> 4713
ggtgnttccc cctgnгааac ctttatacac cctacttggt ctttttgcag gatcccatcg      60
attcgaattc ggcacgaggn cacattcann tntcannttt tgcancntta tancaanant      120
catngccgan acattanttg nctnnaatag tactgcangc ncancatctn cnnnngatcc      180
ctgtnacctt gnccctggan cactcgtnag ncaagntctg ntcccagatg ncntgtaacc      240
atnantncna nanaananna tcnagggnct nttnttttcc nncaaacaga tgcnatntgn      300

```

cnenggctgn	tgtgntgtng	agggcnctan	gcncnggcaa	ctattnnctt	nnangcngaa	360
gtngttacnc	ntnanggcnc	ncttancttt	caatnagnac	cacatgcnc	tgccaaatng	420
tgctctnagc	taaatnnttg	gactntgaan	tanggnncna	anggtnttgc	aataacantg	480
tggatctgna	anaagnctgt	ttggnnngng	acctaataac	ctcancnggg	nggnctcnct	540
cttaacnntt	tantnccnnt	cntnganagt	gattcatacc	aaggtaccca	ngnnnggtaa	600
tanttcnact	cntgngatcg	naanttnctc	cnttnnatcn	cnttanagag	nggtcgtnac	660
ccangtntgt	tcgcttcgcn	cttnttttgg	ggngaaatgt	atntcccat	ggaancnttg	720
ggggnnccnn	tttgatngcc	gtaatancat	nggaagtcaa	cttggantta	aacgggtgct	780
canttanntc	nagccgaatn	tngtcnttgg	caaacccttg	ccaatacnc	caattacccn	840
atantngcaa	agnaaatagg	ccnngcatac	cnaagnggga	ccctttataa	attggnnnat	900
ggacttcccc	tttnnaagtng	aacnttggnc	ttagcnaaaa	ggcnatnttc	ttgtatgaag	960
ntcgcagnan	tngnatattat	tnggggttcta	ngggccng			998

<210> 4714

<211> 1523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1523)

<223> n = A,T,C or G

<400> 4714

ccccccccc	ccnaccnnnc	acccannncn	accccnacn	canacnaatn	nncgcncan	60
tcacncaccc	cgnntcgann	cnccccncc	taaannccna	ncgcncctnc	cnngntcgca	120
nnccaccntt	gaacctttgc	aaanactggc	aaacccgccn	cnanagcggg	ggngggannc	180
acacncacnn	canatactan	ncnnccccacn	tncganaacg	anagnnnncc	cccccaacna	240
ctnaggggca	cctcggggnc	cctcctecta	cgcnacncna	ncacatnacn	ncctcngtt	300
canncnngac	agnancctct	caacccccac	gcctgctncc	tctccncata	cncncccccc	360
ctcccnatac	gncnagacan	cccacgccnn	nnngannctn	netcatcna	cncacngcnc	420
tacacnnccc	ccnntnccct	tctngggcga	ncannnnctn	ncatcgccnc	agcncacnct	480
ctnnctcacc	cccatcatna	cctnaanceg	tctacntntn	nncnctcan	ctcacgcnc	540
aaccgncann	ccncccgna	nactncacnc	tcaanncana	tcganccccc	tcncaccncn	600
accnnnnnnn	cgnncncccc	accnnncaan	nnngttnnn	ccacctcgag	accnnncang	660
cnaatacccc	cgatcancca	ccnctctant	ncagncctnc	ccgncnncnc	ganncacacg	720
angcccnac	acnacagcgc	antnccgncac	cncanacang	acccanctgc	ccncagcgng	780
nnnnggncan	aaangnnng	cncnccncta	cantcntcca	cccancnnc	ntnancnccn	840
tantannacc	aagccagtan	ncncacctca	netnncgaat	cncancacn	ccacanacga	900
ccgcaccccc	caacnncagc	actctcna	cnnngancan	cannntccac	nacactcntt	960
ctcnntactc	tntctcanc	ccccnnncta	acngctcact	ncacaancna	ncnncnccnn	1020
anntagccta	cgccaacgan	acgcacncta	nancctacga	caccnntcac	nacacctcac	1080
cgtacccnc	cngntctncn	ctcnancgac	ngaancgtnn	cacgcncanc	acancactcg	1140
agnantcaca	cgnnacacct	ncacgantac	tccgncacnn	nnnanntnac	nccactngan	1200
cgcactntct	cncttaacna	caacnctac	cncacctcac	nccatatcca	cnctcaccac	1260
tcacacanna	ganaagnnna	naccgctctc	agcacntact	cactancnc	ncaacncna	1320
ccacancna	nacgtnanac	cnctcngcgn	ctcacannag	cgnctgnnct	gcnnnctccc	1380
gnatannttc	gcacctngan	cacncanacn	tntcccnng	ccccacgact	gagcncnccn	1440
tctcnagacn	ncanccactn	tcnacacnnc	nngacgcanc	tacngcncca	ncncannnct	1500
nanngacnca	cngtccann	ccc				1523

<210> 4715

<211> 726

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(726)
 <223> n = A,T,C or G

<400> 4715
 gttatnancn gctcttggtc ntgctnctgg atctttttgc aggatcccat cgattcgaat 60
 ncngcncgag tntaggnttg anccattgna cccagccnag gttnttaata nnannnanag 120
 cntgctgntn tnaaaagtga aaagaggcca gntgtggtgg ntactgnctg nggtcccagc 180
 tntccggag gctgagggcat gaggatcatt tgngccagg ctgcaatgca atggcactga 240
 tcacggcctt ctgcancctt aacntgctgg gngggacacg gagtaccctg tttttnaang 300
 aanantgcag agtacnccaa ttgnatatgn tatataannn caactntcnt aaaggantcg 360
 tatatnnaat gagtgggaanc aaatntggca nactnttaat ngnacatatn ttgaaactan 420
 agctcnttac acttctttga nctacaacgg gtatatgtcn tacttanatg atgcacaaaa 480
 ggtgcacat atatatatat gtttntgacg nnggttntga nagagtttca ctcttgcn 540
 cannctggag aatgtacnga actganatng gngaaatgtc tccancnggg ngatnnagat 600
 nnactgggct ntcgtggaag aatggtgtnt accnnaaaat ttggagcctc tttaaacnan 660
 tggngaggac ntttacntng gttcccaaaa ttgtngaggg gncntttggn gantttnnnc 720
 cnnccc 726

<210> 4716
 <211> 1554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1554)
 <223> n = A,T,C or G

<400> 4716
 ccaccncnn ntnnttnatn nnnccntnccn acctcnnnnn nncnnngggn nantngcnnn 60
 nnnnnnaag nnnnctnatg aactnaataa ganntngctg gtctgaaatn gcctaactng 120
 aatagggct ggggggggnc nncngncnna ggntnatnnc gnttccagtg ntntngnnng 180
 ntctcgann tnnntntaac tatnnntnnn nanccannan anngtcnggg gntnnnnnat 240
 nttnnnnntn natccannna ncacantcc ttctntcan tccannnaac ctctannnc 300
 cantcccta tnteganca gnnnnnccca cngntnnnnn ngtcnnnann nnaancnan 360
 nattcagctn nnacnntann ntaacttnc ccngcaanga ncncnntct cctcngntcn 420
 accggcnng nantcnnngn tcancannta tntnnntnt nntctatcct nnnntntc 480
 tagannann nntnctacn nntncaann cancnncca tanantanc cncctcngnn 540
 ctcnctctc annccngnac tntcnnngct ncnnttate tntntcnac nncacncnat 600
 annnntctn anantcnnn ttcnacnnc nctnatcnc antgcctann cnnnccnnc 660
 nnnatgtnan ncannatnct ntanancngn ngcnntctnn tcannnnnca cncntnatca 720
 catntnctn tnnangann ntcnntntcc nnancatcna tctncanctc tncanntntn 780
 cmtatccgc nnnnnancct ntntacnnt cctncatan antanacnnc nctntctca 840
 nnnncnnntn antcnntatn cnnnnnnncn ctctctaca cncgcnncg cntcactnn 900
 cncnctatcn nnnnaanntc ncanctcatn acctcncn tntnnntntc natcncatnt 960
 atanacnnan actctctntc gntatnnnn gncntctnc acagtatncc nctntntnc 1020
 ntannancga nntccnncn atataatcac tnnacactnt actcnnantn cttactntnn 1080
 accnctctnn catecnntc nctctnnnc tcatatntgn ntacnntnna ncactctcn 1140
 cancanncna ntacacnnc natnctann ncanantnnc ntncannncn tcnctntc 1200
 ngtnnnctc ncactctnca catatatnat ctancnncn cncnctnnn tnnnnntnc 1260
 tcannctcn cnnntctatn tctatacat nccctntta ncantatcca nngccnccac 1320
 natantcan cttntctn cctntancn cctntctcc tctncanacc cancttactc 1380
 tcttantnnc acnctntncn tccnccnnc tntnatecna acnncnncta nttncatcca 1440
 ncctccgta tancctccnt nncnccngc cncnccnta ctctctcan ntgnccnt 1500

ntnncatntc nctntcnnnc cacccttten cnnccgncnt tnnntnanncc nect 1554

<210> 4717
 <211> 763
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 4717
 ttacatata gctcttggtc tttttgcagg atccctcgat tcgaattcgg cagcaggtct 60
 ctgcaaaaga cccctccgac ccgagtgttc gtggaactgg ttccctgggc tgaccggagc 120
 cgggagaaca acctggcctc agggagagag acgctaccgg gcttacgcca cccctctccc 180
 tcaacacaag cccaaactgc taccgcgag gtgcaagtaa gcggcacctc agaagtgtct 240
 gcgggccctg accgggcgca ggtggtggtg cagtgcagcag caccaaggag gcggcagccg 300
 aggcaaaaa gagcggttgt cgccgtctag attacatcac gcagagcctc cagcagcagg 360
 gcgtgcaggc agaaaatata actgtgacaa aggattttag gagagtggaa aatgcttatc 420
 acatggaagc agaggtctgc attacattta ctgaatttgg aaaaatgcaa aatatttcta 480
 actttcttgt tgaaaagcta gatagctctg ttgtcatcag cccaccccag ttctatcata 540
 ctccagggtc tgttgagaat cttcacggca agcctgtctt gttgctgttg anaatgcgtg 600
 gcgcaaaact aagaagtctg taccttgtgg ccaaaccctt ngaaaacctt tctaatacaa 660
 gaagaagaac aaaagaatgg gaaggccaat agatgatcac cagtcatcca gactctnaag 720
 ttcattactg tccacaaaaa atcaaaagtg cacaatactt ctg 763

<210> 4718
 <211> 953
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(953)
 <223> n = A,T,C or G

<400> 4718
 nggtncaccg naacaacggn gaatccccca annnncncgan acagaaaggc aggggtgngg 60
 ccngagagcc gngcncacng ggcacancag cgacctttta ggcnttntctg cactgncngn 120
 cccactgccg naannggcac tnccccacgn acgagnntgc aacgagacat ccgtacgtgc 180
 tggacaacct tggagagaag ccgtatncac nncacangat aaaancgcca tggaccacga 240
 gtgccnnggg cactaccgan gagccgcctc cnggaancnt tnccaaagngn gagcgccna 300
 ccgacngtnn gcngatcaga nacnggagag gnggagngag aagactccng cngcncgggc 360
 cccctgggg agcccccgnt ccagggtctg cncaggacc ngcngcacia gangactagc 420
 tngcagcnac cngcnttccc cagtccannc tgaaaaacta caaaatnaaa ngcgggaaaa 480
 gcntgtann gagaanggnc ntccncgcan ctccnaggag gnaaggcngg agannncccc 540
 gctcgnaaan gnangnagca agggaaancc ccangggncg ggcccncnag aaggccccnc 600
 cmncaanaa agaangccac aacaanccaa gangcnagca cgggcnnngcc cngcanaaaa 660
 cccccnnac acnggaaana cncgcgcgna nanngcaann aacngnatac nggaaangca 720
 nagngcncnc ananaacaag cgcnncnccn nacnagggnn acacaaaann ccngagcgcn 780
 cncgagcgcg nnnanacaca angcnagcac agggacacnc ncagacgnaa annnggncac 840
 anacncgggn nagaacccan caggaacn acnacncag agggagagng nacnaanaa 900
 mncgccccca cnggananna aanccaacnn nncgaanacn nacggannac gcc 953

<210> 4719

<211> 860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (860)
 <223> n = A,T,C or G

<400> 4719
 ttnantnngt cattcctgta ccagctactt gttctttttg caggatccca tcgattcggn 60
 gatatngnnn gnetanncaa agtgggaana ncttncnggc tnggaaaaca ngctntangn 120
 ccnaananc ngntttacan gttnaanact ntgtnnnnnt tgagcatgtt nncnggtctt 180
 angnngntat tnnanngtan ccactttgna gagngtatac tggcaacttt tcnncttatg 240
 gttcaattag ntcngnntg cacantgagn ntgatnatta cttgtgagnt gagctcntgc 300
 gttttaccga cttctggctn ggnactgggtg ccattagcta tnaanaggcn tttngtnnca 360
 taannttcng gtaanntgan ngatctntna agatncccc ttaattcggt agtantacca 420
 ttacgtagnc naatttanga tncnnattcc cnaattttta ncatnnccan ntgtaanatc 480
 nntgaattan cagnacnnc nanngccctn tnnaggnttg atttctcgat atttgactnc 540
 ntctggngn ananannggc naagaanttn accattgggt angnnaaann agngtgnatg 600
 tagggtnaaa ntcacntnt ttttnnacna atcnntggaa cantttacna tcanttnnga 660
 naaaaacnnta nnncttttgc ccnatgggan ctntttntta aancnntnc cttttnttaa 720
 cnnttttttn aaccnttga aaaaattngn taaataaaat ntngcccttt aanantntnt 780
 tcgnaattnn gaatatctta anggcccttt taaaaatat gnccccgttt atggngaaaa 840
 ntnattgcca gccantncnt 860

<210> 4720
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (714)
 <223> n = A,T,C or G

<400> 4720
 ngctctntaa cngctcttg tcnngetact tgttcttttt gcaggatccc atcgattcgg 60
 tcaactccat ctgcagtgtt caaggcactg tgggtggcgt ggacgagagc actgctttct 120
 catggcctgt gtgtgacatg tgtggcaacg ggagattgga acagaggccg gaagacagag 180
 gcgccttttc ctgtggggac tgctcccggt tggtcacatc tcctgttctc aagaggcacc 240
 tgcaggtctt cctggactgc cgctcaagac cgcagtgcag agtgaaggtc aagctgttgc 300
 agcgcagcat ttccctccctg ctgaggtttg ccgcccgtga agatgggagc tacgaagtga 360
 agagtgtcct cggaaaggaa gtgggggtgt taaattgttt tgtccagtcc gtaaccgccc 420
 acccgaccag ctgcattgga ttggaggaaa tcgagcttct gtagtcagga ggggcctctg 480
 cagaacacta gcggttgccg caggatctgt gaactttgca atgtggctgc aagggtgggtg 540
 gtgggtgggtg tgatttgggg tagttatttg ttaactatgg cacagtgaac gtagtttacn 600
 atcttgaaat gaaacttana tttctctggg aaatgttcan atcagttntg tgaactgtaa 660
 atnaaaatac cttttctaca gttatctttn attttctgca aattangaac ctnt 714

<210> 4721
 <211> 868
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(868)
 <223> n = A,T,C or G

<400> 4721
 tttcnnngttt aaacnccttt aaaaatntgn nacttngatn nagtntaaag tnnccctct 60
 atatattgna gtancncctn taaaacatca ggaaaattaa ggnggtctnt ngggggggtg 120
 atnttcnatn ncnantgaat aatgatccaa gnntcntant angaannaan gcncatata 180
 nanntantan tactntttgg ntntnnanct antanantct annntactcn ntanatanta 240
 tcncnangtn ngcatacna ntnatcnttn nntnttttac tncattatct ctanatattn 300
 nnnctnttn ntntancatn cntncnanct ttcnnnctta ttnatantnn ttttaantttt 360
 tcntntcnc tcnncnnnca ttnataattn atnnntttnn nnnntnantt ctntcaatnt 420
 ntcacnctc nnnnctcna nctntntncc tnanntnnntn tccantttnc catttantnn 480
 ctannnnntn nntcntntn tntttntnnc tcctaancct ctntttntnt ctcannntntt 540
 nttnncttn tnttttattt ntntcntcnn ncncctnnnc tttncnnnnt tntctttcna 600
 tantntctnn ccanntctnc atatcttntt nncnccttaa tnttacnctt ncccctncc 660
 cccctnnanc attttcttc tcccttanant nntntctttn tnttaanata tnnnnnttta 720
 ttttnacttn tttgtttgta ctntctntna cncanantca atnacacatt tatcncattn 780
 canatcttcc naantcnc nnttncact tnatccacna ntctncaatt cctacatnct 840
 ntatnctnac ntcattntn ctccnnnt 868

<210> 4722
 <211> 1612
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1612)
 <223> n = A,T,C or G

<400> 4722
 gtnnctcaaa tcngcagcac gnanagtnca aagngaagng gcncctctaca tatgagaccc 60
 tnaaacatca ganattaggg ggtctngggg gggcctcnnn anntcnnnga atactatccg 120
 nggccctttt ngntnannn nttagagannt gggnggntn nncggngntn tntctancnn 180
 attcnncttt catctcctac tcnggggggn nactnnnnac tctctnacn cccntccttc 240
 nntcnnnncc tacctccctn tnnnnntccc gnactnaaca cncntccna cnttcttnc 300
 actcnatann cccccnanc tcttacnntn nccaccaagt atctcctncc nncnctctct 360
 nnacnnttan natntnact cncncctnn cnttctata nctcagcnnn tcnactccgc 420
 ccgtcantcn gctacngtcc nncnntctct nnnnangctt cctnnacttc ncnntcanca 480
 caatntncc catctnncca ctntntnncn atatctctca nctctnacn ntcnnnntca 540
 tcnnncaaaa tntctnctc canatccatc tntnnnnnan nnaccatntn anntagtcc 600
 nactactntc ccagctanac ntntctntnt ccncatctc acntnnntcta tnatactctn 660
 cncctctcac tctatnanat cnnatancta tctatcact nttacnaann nccctacann 720
 ctntccnntc tctctctann accttcacnn ttctntcna attatntact nntnaccana 780
 tancacacna cncctcccnc ntatanntac acntncacnc actanacnan ctncnctca 840
 tactctantn tctcnnctc ttatctntt ctatcatata ntnacncaag tcnctctctc 900
 atntaccnnn antnctnncc cactacnnct cncctancta cnatacatnc acannnnana 960
 tcanataccn ntctcnatnc nctctctct ctntntntca cncctanattc nnatntnccn 1020
 ctatcnnctt cnnnnntgnc tctactnct nctcncct ctctctcnc tntctnannt 1080
 anctnnntct nttctctctc ctncacngt accnctcnat atcatntntc atcncctntc 1140
 catanatnccg nnacancnta tatctctcct ntntncccta nntnctctc nctcnnntnc 1200
 nncatctcat annncnnct gtcnancna ngctctctcn actntccanc tctcnnctc 1260
 gcnacngact nntcncnat tctctnttn gactcncct antcatcnc cctacnacc 1320
 aacaccanna tactnntcnn ntncctctn aatntcacac acantncann ncacntanc 1380
 ttatctcant tctgntnacn catcactact ctctctatc acatntant nnancctnat 1440

tntcttctacn	ctctctnttct	cnctntnatna	nntctntacan	gnctctncca	tntctcnccc	1500
ctctctnctnt	ntnnntcanc	nntcacncna	ccantcannn	ctancegcat	ctatatattatn	1560
ctcatatcct	ctanacanta	tctctcanatc	tcactnctan	nnatancnac	ct	1612

<210> 4723

<211> 1503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1503)

<223> n = A,T,C or G

<400> 4723

ctaaaattgt	ctnctgtaaat	nctntnnnnnt	gtacantagg	aacggcnctg	acatatgaga	60
cncttaaaca	tcnganataag	ggngtctngg	gggggcgctt	gcntanccnt	gnanntgact	120
nacgnnccan	ttgaantaan	nctttaanga	nattanggen	ttttnegcgc	ntctcnctca	180
anctcnntat	tncantntaa	cannnggggn	gcntctnttc	ancatcnanc	ncttntctact	240
tcttttatnn	cttctnctcn	cttcnnacta	cttntactnt	nnctntcacc	nnaccancat	300
tnnantntnc	anctccntc	ntancnttcn	ctnnmncat	ccnttnnccn	cntcancct	360
ctaacncnt	annnctcctn	tntnccanat	tcatnccntt	nnntnancct	tntcncctt	420
ntctatcatt	ctacnctatc	ctctcctaac	nctttttntt	cnctcacnn	tctcctaca	480
ctcnccanc	nacnnaacca	ccntannctt	ctnncttcc	tctntantac	ntntcnatct	540
tccnnncann	tnattctnac	ntantntntc	attnacacnc	tcnnccctann	tatnntntta	600
tctctancec	ctcantanat	ntcctccatn	ctcaactntc	tcacctctcc	ctctanatcc	660
ncctntnta	gmnactcctc	tgtnnctgc	tantattncn	tatacntctc	cnntcctact	720
ntnttttata	tntacancctc	ntcnnnctnn	cctcncntnn	acnctnaaat	accctcatct	780
tatatntntt	ntcnnnctnn	tatctnctac	ttananccta	cantnttctt	cataatcna	840
nnnactctn	tanntgcaca	tntanactnc	ccnnccanc	tctttatacc	tntcctatac	900
ntcacnntct	ntnntnact	cnatnactnn	catacactca	natncacctn	ntnnnatntc	960
nccatatatn	tntantant	cntctctcna	tattatata	ntntctntct	ntnccctnctc	1020
ngnnctctnc	tntatcanac	tctctatncn	caccaactat	nnctcannnt	ncnnnctttc	1080
acnnnnntnac	cantccttcn	nancnctatc	ntctctccta	tcacttnna	tcttaactct	1140
ctcatatacn	cnantcatnt	cnntnccnac	nctctntntt	ctcncancct	cttntctact	1200
acnnttatct	actcactcta	tntctctnnn	ctctacantc	tcnctntcgt	ntccacntta	1260
tctnnnnnca	ctatctctnt	cactctnanc	ntaaacctcc	tccttntnca	tntcacntct	1320
ctatnccatt	tctcaatanc	actcncnac	ncattcctct	ntcncatcta	tctcttnccc	1380
anctcctctn	tctcannnan	tngttntctt	atcagnactc	ctatatantn	tatctcnatn	1440
cttnatatca	canncatnnn	cttctcnnac	tcatatnntn	ctntantnta	ctatcttntt	1500
cct						1503

<210> 4724

<211> 1309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1309)

<223> n = A,T,C or G

<400> 4724

cantggnaa	tntcccgacc	tangactagg	tnnaccnncc	angnggggaa	aaaagcccc	60
caganagunn	gaggtttgga	ggnggggaaa	aaagannncc	ggggggaggg	gggggnnttg	120
gaaaannngg	anacgggggg	gcacgnnngc	gngcgcacnc	ntnttttttt	cncnccccgc	180

ncntttnttt	tccccncncc	gcncggagt	nncnngnagn	ggggggnggn	nnnnaganaa	240
ganggggggg	gggaanannn	gttggggngg	ggggggncna	gagngggggg	gncnggcnga	300
nannangcnn	gggggggggn	gagcagangg	angngncaa	ggggngngng	ggngnggnga	360
gganagcan	gngaggggga	ggngaagag	ngnggagagg	gnaggnnagg	ngngngngng	420
ggagnancg	ngngaggag	nanaggggaa	ggngnagnng	ngggggggng	angaggggga	480
cgnnnnggn	nnngcngagna	gnngggngng	ngnnanncna	ngncggngga	ngnaangnna	540
nggnngngng	cnngcgnnaa	gagngganaa	ngggagngcg	ngggggggcg	gngngancgn	600
ggagnagng	annngggcnn	gagangngga	gngngngngn	gcgaangggg	nnnggnngng	660
ggngnggggn	cgagagnggn	ngnggnngng	cangtnaaag	gnnnagggna	gaanngggac	720
acggaccggn	ngnggaganc	gnggacgaaa	nnngnnagac	gngnggacga	ganacgcgng	780
gnanngangn	nggntgggg	annagaggag	cgcnngagaa	cgcnccnnng	gaganngang	840
gagagagagn	ngggnacggg	nnnanngcgn	gcaagagaga	gacgagngac	gcggagngng	900
agagagagag	acngaggaga	gagannnaag	acngacggag	agcacggcgg	aggnnnncgc	960
gacgacagag	aggnaggacg	naganaggng	anncgannga	gagggncnca	ccggaannac	1020
gnngagacna	cnnagngngc	gaggaacacg	gngcgcgana	ggaggagaac	ncnggangga	1080
ngacngcng	nancggnnga	cacgnangcg	ngagagannn	agagagggac	gcacgaaggn	1140
cggaagagcn	gangggaaga	nnannancga	gnnggagaa	cgagngagc	anaagggagg	1200
angggtcaga	ngagaganag	cacaancng	agaggnggan	nnaggacgac	ggnggagaga	1260
gaancangng	ggnagaaggn	cngancagga	agggcgnggg	naggngcgc		1309

<210> 4725

<211> 1359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1359)

<223> n = A,T,C or G

<400> 4725

aaaaaaaaa	aaaccccn	gggggnnanc	ccctnctaaa	aaaatnnagn	nacctnctgn	60
naagggcgna	aaacnnnn	ccctcnnanc	aanatnncag	nnccccccct	aaaaaccatc	120
cagggaanaa	ttaaagggg	cgtnccntgt	gggggggnnn	nnnnnnnnnn	nnnnnnnncc	180
cnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	240
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	300
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	360
nnccnnnn	nnccnnnn	nnnnnnnn	nnccnnnn	nnccnnnn	nnccnnnn	420
nccnnnnnn	nnnnnnnn	nccnnnnnn	cccnnnnncc	nnccnnnncc	nccnnnncc	480
nnnnnnnn	nnnnnnnn	nnccnnnn	nacnnnnnn	nccnnnnnn	nnccnnnn	540
nnccnnnn	nnnnnnnn	nnccnnnn	nnccnnnn	nnccnnnn	nnccnnnn	600
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	660
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	720
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	780
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	840
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	900
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	960
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	1020
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	1080
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	1140
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	1200
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	1260
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	1320
nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	nnnnnnnn	1359

<210> 4726

<211> 10
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (10)
 <223> n = A,T,C or G

<400> 4726
 nnnnnnnnnnn

10

<210> 4727
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 4727
 nngctctncln attnnntgng gncttgctcg ntaccnclncln ncngnggna atcgattggg 60
 ccgaggtng atnnatgnat actactcctg cgcgtcagtt ctactttttt ggggccctgc 120
 cggctggatn acngtacanc ctaaaannngg anctnctacc tggccctcta cangcagatn 180
 atcanncngg acaagctagg ctgncgcgc acggcgctgg agtactgcan gctcattctg 240
 agtctcgagc cggatgagga cccctctgc atgctgctgc tcatacgacc acctgncctt 300
 gcngncccg aactactagt acctgatccn cctnttccan aagtgggagg ctcattnnnaa 360
 cctgtncag ctccntaatn gtgccttctn tgttccactg gcntattttcc tgctgagnca 420
 ccagacanac ctncctgagt gtgancagag ctatgccagg cagaaggcct ctctcctgat 480
 acagcangcg ctccatgt tccctgnagt ccttctgccc ctgctcgagt cttgcaagt 540
 tncggccnga cgcagngtt nacagtcacc gctnctttgg gacccaatgc tgaaattaag 600
 ccaaacncct gcccttgacc canatggtna acctgtgacc tttgnaagg tcacactttt 660
 ttnttgga aaanaaccng gcancnnttg ancttgctg gaaggaaaaa cgtccccgan 720
 gatcttcaaa gcaaatggat gccggggaac ccaaaccctg gnaagcctgg ggagaaaccc 780
 gggggaaag 789

<210> 4728
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 4728
 nngctctncln attnnntgng gncttgctcg ntaccnclncln ncngnggna atcgattggg 60
 ccgaggtng atnnatgnat actactcctg cgcgtcagtt ctactttttt ggggccctgc 120
 cggctggatn acngtacanc ctaaaannngg anctnctacc tggccctcta cangcagatn 180
 atcanncngg acaagctagg ctgncgcgc acggcgctgg agtactgcan gctcattctg 240
 agtctcgagc cggatgagga cccctctgc atgctgctgc tcatacgacc acctgncctt 300
 gcngncccg aactactagt acctgatccn cctnttccan aagtgggagg ctcattnnnaa 360
 cctgtncag ctccntaatn gtgccttctn tgttccactg gcntattttcc tgctgagnca 420

```

ccagacacac ctncctgagt gtgancagag ctatgccagg cagaaggcct ctctcctgat      480
acagcangcg ctcaccatgt tccctgnagt ccttctgccc ctgctcgagt cttgcaagtg      540
tncggccnga cgccagngtt nacagtcacc gctnctttgg gacccaatgc tgaaattaag      600
ccaaacncct gcccttgacc canatggtta accttgtacc tttggnaagg tcacactttt      660
ttnttggaag aanaaccnng gcancnnttg ancttggctg gaaggaaaaa cgtccccgan      720
gatcttcaaa gcaaatggat gccggggaac ccaaaccctg gnaagcctgg ggagaaaccc      780
gggggaaag

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<210> 4729

<211> 1064

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1064)

<223> n = A,T,C or G

<400> 4729

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cnttactaan ngnntgctat cgntctttcc gnangagccn agcgattcga gtggctgagt      60
ggaggcgccc agacctgggc aggcagcagg ctcaggccca cacctttgng atttttgaaa      120
ccaaagccca gannatgatg tttacttntc tctccctggc tctgcccttc ttactgcaaa      180
ccatgctgtg ccttagggcc cttctcatag ntgttcctna tggccatgac tggaaacagg      240
atgcaacctn tttntacaca agcacagant agnttgnctg aagnntnttt ntnactcgt      300
ttacaccngt nnttcnnttc tanntgccna nancttcac caatcngntc annnnnntnn      360
ctcactcnna cccanccatc cnannntcn nnnnnaacnn nanttcnctn ctntacntnc      420
cctaacncat caatnnnttt nntnnnnatt annntctctn antatattna ctcnatatcc      480
tcncaactnt tcatactcnc nattactctt nncnctacn ctcatcacat acnctttaat      540
nnnnccnntn ctntatacna ncatnttctt nncantctac ancgaactatn atagtcntct      600
atcnncntnn aagncntntn naatnntntc tctganacnc ctcttacgtg ntcttactnt      660
acntcaatnt ngtcatcat cactctcnaa cggatactt catttnngtg tatatacccc      720
necatctnctn tcancactcn tctctctact natntcnca cttncgncac ncacgatata      780
nmatctncta cactcanaat cacnnnttat natctttta tanctcnan tntaacngtc      840
ntntctnna tcntnctntt tcganatctc nncacntntc tntntatnct tnttcttct      900
ctntaatatc nantcatctt agtctcnna nccaanatnt nancntncac tctntctacn      960
ttntctnctn nnnacacttc tactatctcn aatatatctc ttntntancat annacnncac      1020
ctanatnant cctctaannt aacttcatct nctntntact annt                          1064

```

<210> 4730

<211> 915

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (915)

<223> n = A,T,C or G

<400> 4730

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atnnanancn tanaancata acnattnnnn tatantnanc ntnnnnncnt tttnncnata      60
ctnnnnntntc cnnnnntttt ttaagccttc taaatgcttg gcaatcgccn ccttantann      120
gcntggngat ncgcncacgn acctgctata gttnnngnac nnaccacacc cttncannaa      180
atcttaacaa gggggngggg ataaaaanaa aacntccaca attaccttaa aagggaactct      240
tatgntttca actacanata gttgtaaagg atcatacaca anatattgat gatanttgaa      300
atattcttag aaggggtgtg tntgtctanc tngtctacc atgngtantg tattcntgac      360
aagcactnta aaatacctgn tnatnnttct atacattacg nataatngcc ataangantt      420

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aanctncata	tatntcatca	nccctaattg	aatcannnnn	aaatattttt	attgcccatt	480
anatctaatt	tcacttatac	tatcccnana	atagtaanac	nactacagct	nnttacncna	540
tntaaacctt	tnnnanntnn	cacaatatna	tacgnnannc	canttatcna	ttangnnntn	600
naanaancan	aantncaann	atttcctnat	cnaaatcaca	attttctncn	naancaaata	660
ntncattccn	accncnnatn	ccncagaaaa	tntncacctc	ctatcaatat	ancaatntat	720
tnanaccang	nnncncnant	ncaatgtttt	ctcancattn	nncttntant	ctatntactn	780
cnttcnmtta	acanatatnt	tcanaantcc	anattncatt	tcacttntac	tacaccnnaa	840
caanacntca	aaatanaagt	ncanatacan	ccnaantccc	ncatntanna	ctntannacn	900
cantattncc	ntncn					915

<210> 4731

<211> 1479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1479)

<223> n = A,T,C or G

<400> 4731

agcctcttaa	actncaantt	ntaacttcnn	nanngnaaac	gncnctctat	atategcngt	60
ancnccttaa	aacatcatga	nattatgggg	gtcttttngg	ggngcnnac	taccatctat	120
catcncctnc	nnntacnang	accccttnta	cnactactnt	cnctcttnat	ganngctcc	180
gtctnnnnnn	ctcnntannn	ttatctacnn	ctctcttctc	ncctctcat	nnctnnnaa	240
ncattcctcn	cctcatatcn	actccctctc	aattcancca	tctatatntc	tnanactntc	300
ancattacgn	tattntacna	cacactctcg	naacncgctc	tntnagatnn	tctctcacta	360
cncnntanca	tnntcatca	tcanncnata	ntcttcanac	agnncccttc	ctctccngca	420
tctccttctc	ctcatnctnn	cnnattnann	nnctcctac	tcactnntcc	ctntcncacc	480
nnancntanc	cncctnatn	ntcnccccc	tgcctnmta	ctccctnccc	cnttcatecc	540
cntntccnac	ttntncaanc	nnctnnccct	actnnatctc	ntctntatcn	ccccattatn	600
ctnnnnnncc	tanganccnn	nnctntcaat	tttcccatn	ncnccnnnt	tnnccgctnn	660
ctttcngcnt	ctcncttac	cnctntnct	annctcctt	nanctcnncc	cncctctctt	720
ncantcganc	nacnccccc	tcnacnatct	ntannnnctt	cnnccnnnncc	ntatcantcn	780
cctccnccact	catccatcta	cnnccacnea	ctctanaactn	tnnccactnc	ctccactctc	840
tcctctance	tcnctctcan	ntnatecttc	tcctcctctc	attannantn	anctcccntt	900
tnaaatccnt	cacncatact	naccatcttc	nccaaactntn	tcttnnnctc	nattncatnt	960
cctcccntaa	nnanncaat	ctctctnntt	cactcacanc	tnnacactcc	attctcnnta	1020
nnctctcnac	anncaactcan	cttcnactca	tanactcaca	ctancnnntt	tnnnctctac	1080
antccnacnc	ntanatttct	ctccnnntnn	atcacanaac	cacatctatc	tactatctta	1140
tcactccntn	tctcacgnt	ctctctcacc	ntntatnctn	aactctatat	cactcaance	1200
atactctnat	canatcttgc	tcncacctat	atnctctctc	ncacctact	cnetcctaca	1260
tgtenacatc	ttcctcncct	ntataccacn	cantactna	ctnnccnccn	actcngcctt	1320
acnctactac	actgcantct	ctatctcttc	ncctcgacacn	cncttctngc	ncctcactct	1380
cntcttntct	cnnnctcnac	tctctctntc	nantcnactc	tccnccacat	ctatatntat	1440
tctctctcct	atctccnctc	ccctcctact	canaccccg			1479

<210> 4732

<211> 1764

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1764)

<223> n = A,T,C or G

<400> 4732

cnaccctnca	aaaaattcat	ataccanaca	nntnaggect	cttggnanng	gcnncccttcn	60
naacatnaat	tgcnagtacc	cnccttnaaa	aaaccatcat	gnaaaataat	gggggngtct	120
tttngggggg	gnggnacnna	antcaantca	ancccatnaa	accacnaant	tcnngnaccc	180
cttaaacegt	naananatnc	actancanan	natnnccetaa	gtanancnttc	ctgnnnctnc	240
ncnnacaacc	taccctctan	tnntccccctc	ctattnnntn	cntnctccca	cnancnnncn	300
cnntcctcn	cctacatntn	ttccanataa	cnctcacnn	ncctacnnc	cnccacatct	360
ntanaacccc	ancancctc	cccacctnca	nnccatcnac	ctactcnact	nnacantccn	420
ccnctttct	cnctcnmnt	anttcactac	ctcttnnact	accccaanat	ctacntcccc	480
ctctctccac	ncacanttac	nctctcanca	actnccancc	atnccnccnc	atanacacct	540
naccncccn	tnntctcccc	ntaaccaa	nacctccctc	nattcatnan	tnatnnnnac	600
cnctatccc	accncantan	acntcccacc	nnactaactc	caccacctcc	cactactntc	660
tctctaatc	namctancn	cntccaccan	ntcantcctn	ctcantctcn	nacacnntn	720
ntacnatcca	tnnctcnana	cnctctnntc	canacccctn	ctntcaatca	ctnctacata	780
tncccatcnc	tatatantnt	nctctctcat	ctcnatccaa	tcctcnccnc	atacactct	840
ntacatctct	cnctctcatc	actnantctn	ctcnctcnac	tnntntcacn	cnacactnac	900
ntntcacnna	ctatecnaca	ccatacatc	tnctccannn	ctaataacca	catctntaac	960
tacnnccaca	cncancnna	cnacncccat	acntcctcnc	acnctctcat	nnaccaactc	1020
cnncnntan	catcncnna	cactacacaa	ccatcaanna	nnntcctctc	atannacacc	1080
tnntntcac	caentcnntn	tcactacact	cactataann	ctctntncan	ntctancata	1140
cctctnnact	ntcnaccact	ctccctcact	cactctccac	natcacntct	ctcacactca	1200
tatcatcnc	tactctacnc	nttaacnctc	ttatcancat	acatntcatc	acttcnaacn	1260
cntctntcnc	ancanctanc	atactcncct	nnntcncnc	actctctatc	cntacanctc	1320
aatccaatc	ccactncnct	catncatntc	ncctcacnan	ctcacctcat	tnactcact	1380
ataannctc	acctcacccn	acactccctc	tantcccnnc	tctctactc	acactctcac	1440
tcactctcnc	ctcnacatcc	tcancnnttc	ncanctcacn	ctatcnncna	tatatntcnc	1500
taatcatcnc	ctntcacana	ctnctntcac	actacacnca	ccctnctcan	ctnctnnntn	1560
ccctctctac	tcttctntcc	ancacatctc	tctcactana	caenctntc	cntccatcan	1620
ancanctcan	anancctat	acacnntnca	tactctntnt	atcaatatcc	cctntcaaac	1680
tnctctctct	tannactacn	ctatcactnt	cnctctcaac	tnctactata	tctcactcan	1740
tctcnacnc	tacantntcn	ncnt				1764

<210> 4733

<211> 953

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (953)

<223> n = A,T,C or G

<400> 4733

nggtncaccg	naacaacggn	gaatccccca	annncncgan	acagaaaggc	aggggtgngg	60
ccngagagcc	gngcncacng	ggcacancag	cgacctttta	ggcnttnctg	cactgncngn	120
cccactgccc	naannggcac	tnccccacgn	acgagnntgc	aacgagacat	ccgtacgtgc	180
tggacaacct	tggagagaag	ccgtatncac	nnccacangat	aaaancgcca	tggaccacga	240
gtgccnnggg	cactaccgan	gagccgcctc	cnggaanct	tnccaagnn	gagcgcccn	300
ccgacngtnn	gcngatcaga	nacnggagag	gnggagngag	aagactccng	cngcncgggc	360
ccccctggg	agcccccgnt	ccagggtctg	cnccaggacc	ngcngcacia	gangactagc	420
tngcagcnac	cngcnttccc	cagtcannnc	tgaaaaacta	caaatnaaa	ngcgggaaaa	480
gcncgtgann	gagaanggnc	ntccnccgan	ctccnaggag	gnaaggcngg	agannnnccc	540
gctcgnaaan	gnangnagca	agggaaancc	ccangggncg	ggcccnncag	aaggccccnc	600
cnncnaanaa	agaangccac	aacaanccaa	gangcnagca	cgggcnggcc	cngcanaaaa	660
ccccccnnac	acnggaaana	cncccgcgna	nanngcaann	aacngnatac	nggaaangca	720
nagngcncnc	ananaacaag	cgcnccnccn	nacnagggnn	acacaaaann	ccngagcgcn	780

ccccccnnnn	cncccccccc	cnnccnnnc	cccccccccc	cccccccccc	cncccnncnc	720
cccccccccc	cnccccnnnn	cccccccccc	nncccccnnc	cccccnncnn	cncccnncnc	780
ncnccnncnn	nnnncccccc	cnccnnnnnn	ccccccnnc	ncnccnnnn	cncccnncnc	840
cnccnnnnnn	cncccnncnn	cncccnncnc	cncccnncnc	nnccnnncnc	cncccnncnn	900
cncccccccc	cncccnncnn	cnccnnncnn	cnccnnnnnn	ncnccnncnn	nnnncnccnn	960
nncccnncnn	ncnccnnnn	nnccnnnnnn	cncccnncnc	nncccnncnn	nnccnnnnnn	1020
nnccnnnnnn	nnnncccccc	cncccnncnn	cncccnncnn	nncccnncnc	nncccnncnn	1080
nncccnncnc	nnccnnnnnn	ncnccnncnc	ncnccccnn	cncccnncnn	cnccnnnnnn	1140
cncccnncnn	nnnnnnnnnn	nnccnnnnnn	cncccnncnn	cncccnncnn	cnccnnnnnn	1200
nncccnncnn	cncccnncnn	nncccccccc	cccccccccc	nnccnnnnnn	ncnccnncnn	1260
nncccnncnn	nnccnnnnnn	cncccnncnc	nnccnnnnnn	cncccnncnc	cccccnncnc	1320
nncccnncnn	nnccnnnnnn	nnccnnnnnn	nnccnnnnnn	nnccnnnnnn	nnccnnnnnn	1337

<210> 4736
 <211> 1312
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1312)
 <223> n = A,T,C or G

<400> 4736						
ccctnaaaaa	aaatttggng	gncccnccggg	gggggnnnnnn	nncccttta	aaaaaatatg	60
gaggcctctg	nnnggggagna	aacnnncnc	ctcnnancat	atncaggacc	tcctcnaaaa	120
catcaggana	aaanggggggt	ctggggggggg	gnccnnncna	nnccnnncnn	acnccngcna	180
nnccctnaanc	cnccnnananc	tnnnnnnnnn	nnccnnnnnn	nnccnnncnn	nnccnnncnn	240
gnccnnnnnn	cncccnncnn	cccccnncnc	nncccnncnn	cncccnncnn	nnccnnancct	300
cnccnnnnnn	ncctccnnnc	ancnnnnnc	ncnancnnc	ccaccannnn	nacnnnnncnn	360
cccccncccc	ncnccncccc	cancannncnn	ccccccaccn	ncncccccc	cncccnncnn	420
caccnncnn	nncccnncnn	cncccnncnc	ccannnnncnn	cncccnncnc	nncccnncnc	480
cccccnnnnn	nncccnncnn	nncccnncnn	nncccnncnn	nncccnncnn	nncccnncnn	540
cnccnnannc	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	600
nnccnnannc	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	660
nnccnnnnnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	720
nacnnnnncnn	cnccnnnnnn	nnccnnncnn	cccccnncnn	nnccnnncnn	nnccnnncnn	780
nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	840
nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	900
nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	960
nnccnnnnnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	1020
nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	1080
cctannann	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	1140
nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	1200
nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	1260
nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	nnccnnncnn	1312

<210> 4737
 <211> 715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (715)
 <223> n = A,T,C or G

<400> 4737

gtntttatnc	cnngnnetcct	gttttttttg	caggatccct	cgnttcgaat	tcggcacgag	60
gnactaggct	cgcgnnntgt	ntntttntn	tntntgat	tacnccatag	gtttngggtn	120
acnatnaatg	tttgcattn	tnttnaaagc	ntagctctta	ctaancattc	tttaacaaaa	180
gctaataatc	nnanatanat	ttgccatacc	gaaactatct	ncncaanaa	nactttann	240
cantatnna	agctnaagan	ttaganaaan	tacaaaacac	tgctatgagt	caatngaact	300
gctatcattg	aatttgctgc	atttanaatg	acataaacat	actgaacatc	aaaacaatgg	360
natggattta	ttctatanga	ctagccttaa	gaatgacata	canttnngcg	nttcctttaa	420
aaatnatntt	ttacnacaga	ntccatttga	acnaagggtc	tttttttccc	ctcatttnan	480
gggaagacmn	tcnatgtttc	ccaaacnnat	cctccnttca	tactananta	gcaaaactgtg	540
gcctcnatct	ccnnttccag	atgctactta	tanatnactt	ttgcataata	acttaaatta	600
gaattacttt	ncttggnaac	agtgtcacgg	ccataaaatn	antccanttt	taaaaaaca	660
nacttcaagn	gcaaattnta	gaaaacttcc	tttaaagaan	taccnaaccc	agccc	715

<210> 4738

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (706)

<223> n = A,T,C or G

<400> 4738

nctaagtctg	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgaggg	60
ccgctttccc	tctggaccac	ctcccgtgc	gtttcctact	cagagaaaca	gcaagggcgg	120
ggtcaagaca	cgggatgacg	ggaagcagga	agcggggcag	cagcacagcg	tggggctcctg	180
gcaactgcag	ccaggccagg	atgcccaccc	cgccctctac	acggccccctt	ggggcctgcg	240
cccgtgaaac	tggtgccagg	gagcaactgc	agcttgccag	tttctgcccc	gcaaaagcac	300
gtatgcttca	ggggccttct	gagaccacct	tccccactga	gccccagctg	ctgagaaggc	360
cttgagggaa	gtagaggctg	ggagcaaagt	ccccatgcgg	tgagaggatg	aggggagcct	420
acgcctcagg	catgtggtga	gaggatgagg	gggaggggagc	ccacgcctca	ggtggagtg	480
gcagaggtgc	aagagagggg	tgtactgaag	cttcttcccc	tcctgccaca	gacacttctc	540
ctgccttccc	accctgaccc	ggcagaaccc	accaagtgc	tgtgtgcagc	ctcctgtgcc	600
tcaccaggg	cctgacccca	gagtggctcc	aacaaccgg	tctcatgccc	actccccatc	660
cctgcttnc	aaaaattgca	ctgtgtgcag	tttgaacaa	agaatn		706

<210> 4739

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (706)

<223> n = A,T,C or G

<400> 4739

nctaagtctg	gctacttggt	ctttttgcag	gatcccatcg	attcgaattc	ggcacgaggg	60
ccgctttccc	tctggaccac	ctcccgtgc	gtttcctact	cagagaaaca	gcaagggcgg	120
ggtcaagaca	cgggatgacg	ggaagcagga	agcggggcag	cagcacagcg	tggggctcctg	180
gcaactgcag	ccaggccagg	atgcccaccc	cgccctctac	acggccccctt	ggggcctgcg	240
cccgtgaaac	tggtgccagg	gagcaactgc	agcttgccag	tttctgcccc	gcaaaagcac	300
gtatgcttca	ggggccttct	gagaccacct	tccccactga	gccccagctg	ctgagaaggc	360
cttgagggaa	gtagaggctg	ggagcaaagt	ccccatgcgg	tgagaggatg	aggggagcct	420

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acgcctcagg catgtggtga gaggatgagg gggagggagc ccaacgctca ggtggagtgg      480
gcagaggtgc aagagagggga tgtactgaag cttcttcccg tcctgccaca gacacttctc      540
ctgccttccc accctgaccc ggcagaaccc accaagtgcc tgtgtgcagc ctctgtgcc      600
tcaccaggg cctgacccca gagtgggtccc aacaacccgg tctcatgccc actccccatc      660
cctgcttncc aaaaattgca ctgtgtgcag tttgcaacaa agaata      706

```

```

<210> 4740
<211> 1446
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (1446)
<223> n = A,T,C or G

```

```

<400> 4740
cggnnttttaa aactnctaaa tanntgngct tccantaggn gaaaacgtgc acccttaaan      60
atatttnagn ccnnccctnna aaanatcagg gaaattatgg gggtcntttt ggggggnntc      120
tcagctntan tcntananta tntatanann ncnnccnnann nntacanaag ctcaatatgn      180
natacnctnt nttcacgtna ntatnacnca tantnncnat actacttcat cntcnacaan      240
ntccgcantn ncnanattat tntnttcttc ataatatcca ntatnntctn cattaatcan      300
ttcnatact tttactnate ncttntcttc ntctatactt ntccatncta ntctactnnc      360
ccttccctnnn aaatntantn ntnantnctt caatacannc cnntcctcct tannnnnnnt      420
ccncatanac antnanccttt actnccnnc acctttcnnc aataattctt anacnfnana      480
cnctnnnnnt natncatana tcacntcntn anctttannn atcntaccac nnannncttn      540
tactnctnan acnttatnt natcttcttc natatacttc nacanatttc tcnttanttt      600
tatcnanaact attcancnta ctnatnatnt tcttattctc actnaanaana tntntnncnt      660
caatntcata tntctctctn tntctctnnt ctentactan tntncatcat ncctnatcta      720
acatntctct cntanannca ctcatnctt tattatnata nactntattt ttntctaatac      780
tntantnat ctctatctnt ntcactnccn atcttnanct ntatatncta tatcatctac      840
tctcnccant accntccctna acnntatcta ttanncacac atcatctntt ctanactntc      900
tctattntan cntaatcttc ncncatanac tngttntat cnctnnctnc tcantcnctc      960
nncanactat actntatngc tnntanctac taatactctc tatectnccn tnnanatnta      1020
acagtcactc tnatatanta tnntnttaca ctcanatcac ctctcnctta nantntcaca      1080
cacatnttat ntataatatn tccatatcac aagcatntac nctntacaca catnntantc      1140
tcatactcan ctctanntca ctccacnnat gactctcagt nctaccanct ncctcaattc      1200
aatcatnccn canctntnta tcacttctnta attatatatn tcttaagtcc nanatgtnac      1260
taantgacta tntnaatctn tcatnntcta acntccatat cacatntcta ctatcaatat      1320
atacttanaa tetcaagtct ctanatcccc tcaacaccta cgntnctact atatatcatn      1380
ttnacntaca nnnntctata tnttcacaac tatatntana nnttanntac nctgntntat      1440
nnanat      1446

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<210> 4741
<211> 1446
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (1446)
<223> n = A,T,C or G

```

```

<400> 4741
cggnnttttaa aactnctaaa tanntgngct tccantaggn gaaaacgtgc acccttaaan      60
atatttnagn ccnnccctnna aaanatcagg gaaattatgg gggtcntttt ggggggnntc      120

```

tcagctntan	tctnananta	tntatanann	ncnnncnnann	ntacanaag	ctcaatatgn	180
natactncnt	nttcacgtna	ntatnacnca	tantnnncnat	actacttcat	cntcnacaan	240
ntccgcantn	ncnanattat	tntnttcttc	ataatatcca	ntatnntctn	cattaatcan	300
ttcncatact	tttactnatc	ncttntctctc	ntctatactt	ntccatncta	ntctactnnc	360
ccttcctnnn	aaatntantn	ntnantncc	caatacannc	cmtcatcct	tannnnnnnt	420
ccncatanac	antnancttt	actnccnnc	acctttcnnc	aataattctt	anacnana	480
cnctnnnnnt	natncatana	tcacntcntn	anccttnann	atcntaccac	nnannncttn	540
tactnctnan	acnttatnt	natcttntctc	natatacttc	nacanatttc	tcnttanttt	600
tatcnanact	attcancnta	ctnatnatnt	tcctattctc	actnaanana	tntntnnctn	660
caatntcata	tntctctnt	tntcttntnt	ctcntactan	tntnecatcat	ncctnatcta	720
acatntctct	cntanannca	ctcatnnctt	tattatnata	nactntattn	ttntaatac	780
tntantcnat	ctctatctnt	ntcactncnn	atcttnanct	ntatatncta	tatcatctac	840
tctcnccant	accntectna	acnntatcta	ttanncacac	atcatctntt	ctanactntc	900
tctattntan	cntaatctnc	ncncatanac	tngttntat	cnctnnctnc	tcantcnctc	960
nncanactat	actntatngc	tnntanctac	taatactctc	tatcctncnc	tnnanatnta	1020
acagtcactc	tnatatanta	tnnttntaca	ctcanatcac	ctctcnctta	nantntcaca	1080
cacatnttat	ntataatatn	tccatatcac	aagcatntac	nctntacaca	catntantc	1140
tcatactcan	ctctanntca	cttcacnnat	gactctcagt	nctaccanct	ncctcaattc	1200
aatcatncgn	cancntntnta	tcacttctnta	attatatatn	tcttaagtcc	nanatgtnac	1260
taantgacta	tntnaatctn	tcantntcta	acntccatat	cacatntcta	ctatcaatat	1320
atacttanaa	tctcaagtct	ctanatcccc	tcaacaccta	cgnntctact	atatacatn	1380
ttnacntaca	nnntctata	tnntcacaac	tatatntana	nnntanntac	nctgntntat	1440
nnanat						1446

<210> 4742
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(734)
 <223> n = A,T,C or G

tngtaccaat	tatctgctgg	ctanntagcc	taaanagntt	ggtcngggcg	aattcggcac	60
gagggnaaag	cagnaagtaa	tgagcttgctc	cgtcagctgg	tagctttcat	tcgtnaaaga	120
gataaaagag	tgacaggcgca	tcgaaaactt	gtggaagaac	agaatgcaga	gaaggcgagg	180
aaagccgaan	agatgaggcg	gcagcagaag	ctaaagcagg	ccaaactggg	ggagcagtag	240
agagaacaga	gctggatgac	tatggccaat	ttggagaaag	agctccagga	gatggaggca	300
cggtacgaga	aggagtgttg	agatggatcg	gatgaaaatg	aaatggaaga	acatgaactc	360
aaagatgagg	aggatggtta	agacagtgat	gagggcnagg	acgctgagct	ctatgatgac	420
ctttactgtc	cancatgtga	caaactnttc	aagacanaaa	atggccatga	agaatcacga	480
gaagttnaan	aagcatcggt	aaatgggtggc	cttgctaaaa	caacagctng	angangaacg	540
aagaaaattt	ttcaagacct	caaattgatt	gaaaatccat	tagatgacaa	ttcttgagga	600
agaaatgnga	aagatgcacc	aaaaacaana	agctttctac	acantnaaat	ccnannaact	660
ccatccntct	anaactatnn	gtgagtcctt	nttacntcna	tccagacatg	antancnata	720
cnattgtagg	aacc					734

<210> 4743
 <211> 1226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (1226)

<223> n = A,T,C or G

<400> 4743

nnggggttna	cnetctctaaa	atntttnnct	tncnntgngn	caaanggggg	cccctctnan	60
natnttcaga	nccnctnaa	aaanatccag	ggaanatttt	ggggggtctt	tttgggggnc	120
tcctttatna	ncnatccann	natatncatn	nttcnctcta	natgctnann	ncanatatat	180
tcaagatctt	cnnctcnct	canctnntct	catanntact	taactnataa	tatcatatta	240
cactcntagt	cttntacca	canccttnnc	tcatttaatn	acncctaant	cactctattn	300
tnccntcatn	tanattnnat	catcatncac	tcttntttnt	nttatctcta	nctanancat	360
cntatatttc	tactcaanaa	ttatcnncn	nntantcana	tcaccnctca	taatnttntn	420
nnnnnnttnc	cctaanaacct	ntactantnc	antctnantn	cnnctnnncn	nnttcctnnc	480
tctntnttnt	nntantcant	ntcnncnncn	tcnnnttntct	ntnntanac	anccatnntc	540
ttgcnnattt	cnaccnantn	catatcccan	cctntanatn	tacatcnct	nttctactnn	600
nctnccntnt	ncctnnantn	cttancatat	atttantnct	ntnncanatn	atattannnt	660
tcctnttnat	atntcttact	attcnctntc	cnatattcan	ttctatnacn	tcanntactc	720
anntnnctta	tgntttatcc	tcttatctct	atctntcnca	naantctcta	cactnnccnn	780
nttatctatc	ntctancact	cttactctat	atctntntat	ttatcactca	ttccacnctn	840
tcctctnttc	tcanatctat	ncactatcta	cctatatata	tcntattntn	cttataccnc	900
ctatattctn	taatcattca	tanntaccaa	cntacatcat	tcncaccttn	tatacctcat	960
natctatnct	attctactct	acatacanct	catagtcant	antctatctc	anctcctcan	1020
catctcactc	nnnatctaac	ntncantnta	tctatctctc	cnatctatat	tctacnctat	1080
acnacactac	nctctcttna	tnnctctnt	atntcnntct	tantattntc	tctannccn	1140
tatntatnct	catcnnacn	atatccatnn	ttgcncnacn	cnannatctn	cnetctctct	1200
nttatctana	ctgntctntc	tacanc				1226

<210> 4744

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (747)

<223> n = A,T,C or G

<400> 4744

gnnnnngagn	gggggnnttt	nnnnnnaccg	aagaacnct	ggaaaccccn	ttgaattcaa	60
aacctatgnc	acaagctact	tggtctntga	gcaggaaccc	atcgactcgn	aanttnnccg	120
aggggaggag	gaccacnggc	gcccggncag	ccacaccnng	aatggggga	gcancgcncn	180
gggnaggggg	gcccancga	aatgnggca	gnccgnaagg	anaaanacgc	aagganncag	240
agcaggccca	acngnggnga	aagggaanag	cannagccgc	annnggggcc	gnaacgccnc	300
gcacaaaaac	atgcggagca	agagcnccca	tggagaacng	anggggcccc	gcaaagnagc	360
gctagnncaa	gnnagnacgn	anaacncnca	ngngaangtg	gcngcangag	nacnacagaa	420
ancgactggg	nacccaaggc	cagccngaca	acnccancna	aanaccganc	tgnnangcng	480
cagagnanga	actgggatga	aacaaannag	gaagggcggt	ggcgaagagg	ncaactaggc	540
agcgaacaaa	accnccacca	agnggancaa	ggangccang	gngagacgcc	agacgcntnt	600
gccagatca	ggaaacgaaa	gggacnnang	ncgacatcna	nancccnaga	agngaacagg	660
agnnnacgca	agcccnccga	cnanagaagn	gagatgggct	gaacagnnna	nnatgtnatg	720
ngcagnnnaa	nagagnctc	aacgnaa				747

<210> 4745

<211> 1064

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (1064)
 <223> n = A,T,C or G

<400> 4745

cnttactaan	ngmntgctat	cgntctttcc	gnangagccn	agcgattcga	gtggctgagt	60
ggaggcgccc	agacctgggc	aggcagcagg	ctcaggccca	cacctttgng	atthttgaaa	120
ccaaagccca	gannatgatg	tttacttntc	tctccctggc	tctgcccttc	ttactgcaaa	180
ccatgctgtg	ccttagggcc	cttctcatag	ntgttccna	tggccatgac	tggaacaggg	240
atgcaacctn	ttntacaca	agcacagant	agnttgngtg	aagntntttt	ntnactccgt	300
ttacaccngt	nnttcnnttc	tanntgccna	nancttcac	caatcngntc	annnnnnntnn	360
ctcactcnna	cccancatc	cnannnnntcn	nnnnnaacnn	nanttcnctn	ctntacntnc	420
cctaaccncat	caatnnnttt	nntnnnnnatt	annntctctn	antatattna	ctcnatatcc	480
tcncaactntt	tcatactcnc	nattactctt	nnncntacn	ctcatcacat	acncnttaat	540
nnnnccnntn	ctntatacna	ncatnttctt	nncantctac	ancgactatn	atagtctnt	600
atcnnctntn	aagntctnt	naatnntntc	tctganacnc	ctcttacgtg	ntcttactnt	660
acntcaatnt	ngctcatcat	cactctcnaa	cgtataactt	catttnngtg	tatatatccc	720
ncatctnctn	tcancactcn	tctctctact	ntatntcnca	cttncgncac	ncacgatata	780
nnatctncta	cactcanaat	cacnnnttat	natcntttta	tanctcnna	tntaacngtc	840
ntntctnna	tcntnctntt	tcganatctc	nncacntntc	tntntatnct	tnttcttnt	900
ctntaatatc	nantcatctt	agtctcnna	nccaanatnt	nancntncac	tctntctacn	960
ttntctnctn	nnnacacttc	tactatctcn	aatatatatc	ttntancat	annacnnac	1020
ctanatnant	cctctaant	aacttcatct	nctntntact	annt		1064

<210> 4746
 <211> 1471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (1471)
 <223> n = A,T,C or G

<400> 4746

ccccnngcac	acaangncnc	anannnnncan	cgannagagc	ntgcagagac	agcgcnnnna	60
cncnnnnnca	cagccannca	nnngnnannc	cgacgnnngg	gcnggagnac	gnagannncnc	120
nnacacnnng	nnngnanaaa	nacngnanac	acnnnnnggna	cgcnngcnnc	gagnacnnng	180
accncagcga	nagnnncata	nnnnnggggg	cnnnnagagg	gagatccgcg	cacagnattg	240
ggcantcctt	ttttgggnna	aaacccggnt	tgggagaaaa	aacccccatn	acgacagnga	300
gacagaggag	aganngcgcn	cnnngnaccc	agnacgtnc	gcgacgtccg	ancagccccg	360
acgcnggagc	gaggagccta	gnaacnnncc	nccacnncnc	acgcnnnaaa	acnnnnnnang	420
ggggngacga	tataagcacc	gancngcnca	nnatctcnna	ntcannannn	ncacacncca	480
gcaannggcc	nncngcgnc	nnnaanncca	gnaacnnagg	cncnnanann	nncnanccnn	540
cnannnnngn	ggacnnnnnn	nnngnnnnnn	gcgcanancn	cccngnnngg	nnngngacca	600
nncccgcnc	ncnnnnnnna	annnanannc	taacaaactn	nnnnnnnnnn	ncncngncng	660
cnnaagnacn	ncaggannnn	cannancan	nccnncannc	accnngncnc	cnnaanngaa	720
gnantcnnnc	gncanctnac	ngcancnnac	gnccangcnc	nacannancg	cnanancntg	780
ncgagacata	nncgacgaga	nncantngcn	nntnnncnta	ntntacannn	cgcccganag	840
cntcngacag	ncgntncgtc	gacagcntnn	cgcacacnnt	ggntgantcc	ngagncatat	900
agaatcagcg	nnnangcaga	cacnacana	agnangncan	ctcnacgacg	anacaacatc	960
gcgngganc	annnnngnga	cgantccnaa	nnancagnng	nnctacgca	gancccccacc	1020
ncgaaannna	tncanctann	cagctngcna	nggacanaca	cgcnngnnng	cacaagacga	1080
gccagacngc	annacgcgng	ngccncactn	gnctcacgcc	acagaacann	ntacacnagc	1140
gccngcnaga	gcncacacag	nggtanagana	nggncnccgn	cntnnatgcc	atgngaacca	1200

cgnagacgca	ccgagacatn	nnacaangcg	ctcgcgcgaga	gncnannncnc	nagacggccg	1260
tatnagnagn	gagncacanc	nanngnnnga	gcagcnnnan	cgcanagnga	gagagcacnc	1320
agngganaca	cgccgtagac	cnnntcngg	ncgcncccgc	ncnggnagca	nntnnnnccn	1380
ntntagacan	ncagcgntgn	nngacatann	gnaccatcat	gtacncagcc	agcnnantag	1440
agntncncan	acggcagcna	gcagcacnnc	c			1471

<210> 4747

<211> 915

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(915)

<223> n = A,T,C or G

<400> 4747

cgaccagaac	ngcctngaaa	tcccacaaac	gaggagcaan	cgacgcgaag	acggcacgag	60
agcgcgaggc	aacgnccccc	ccattntnn	ccacgctggg	aagaccaaca	cccncggag	120
cgcganacag	cacccccacg	gcggangcaa	ncgangaccn	ncggacagca	cncacgggnc	180
gganccaggn	acgcncgcn	cnnngcncg	gaaccnggac	cagccaanag	cgcnctgng	240
ccngcngag	nncnccnaag	gncganaanc	ccgagcncgc	agaagaancc	ccggggaaacg	300
agcngacggg	anccgcaaaa	aggcacnnaa	gacacaaggc	gcaccacgag	gcncggaccg	360
ngnccnngca	ngcccganag	ccaacacagg	ncannngnag	ngacgnacag	aaccggaaan	420
caacngccac	acaaaggngc	caaccgnacg	cnacnggggg	gccccnacia	gggnaaagac	480
ccaggaancc	aagnggcccn	ggncnanccc	cnggaaanng	accnggcaan	nngggcnnga	540
agaaaaaacc	aaaggccnag	cgaancngaa	accangcag	ccagagcacg	nanaggnaag	600
cggcaaaa	ccgganaggc	cccaggangg	accgaaagna	ccgngggngc	cccaangccc	660
aggcccaaaa	cgcnacagaa	aaggnnanna	accaaaggcc	cagngngccc	cgaanaccn	720
nnncagcacc	nagganaacn	aganagaacc	gcgaccaacc	cnanaanncc	ggncaaanna	780
canaanccat	ccncaggggn	gaaggancac	nngccnnccc	ncnanncaaa	nccaaagccn	840
ncacaaangg	ccacaggncc	anagcanncg	nacnacggcc	anacaangcc	cagaanannc	900
ggggganngg	ngccg					915

<210> 4748

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 4748

gtttannann	cagctcttgt	tctttttgca	ggatcccatc	gattcgaatt	cggcacgagg	60
agaaggacgt	gcogtgccgc	tgggttctga	gccggagtgg	tcggtgggtg	ggatggaggc	120
gaccttgag	cagcacttgg	aagacacaat	gaagaatccc	tccattgttg	gagtcctgtg	180
cacagattca	caaggactta	atctgggttg	ccgcgggacc	ctgtcagatg	agcatgctgg	240
agtgatattc	gttctagccc	agcaagcagc	taagctaacc	tctgacccca	ctgatattcc	300
tgtggtgtgt	ctagaatnag	atnatgggaa	cattatgatc	cagaaacacg	atggcatnac	360
ggtggcagtg	cacaaaatgg	cctcttgatg	ctcatatctg	gtcttnanca	acctgtnttn	420
tgaantcng	naccncnat	gtgnaaatcc	cctntntaac	ttctcaagnn	tcncnngttt	480
nggncnttct	tttaaggtgc	cctttggggc	cttttctggg	gnaantttta	anaangcana	540
nnngcgnntt	tttaanaggc	tnttttnggc	ccccctnnt	tttnnaaaaa	atttttntnt	600
taaaaaaggg	gggattccnt	tnttttnnaa	aaaanccaag	ggnnncnccc	ggggggccaac	660

ntnnnggnat taanaaaaat tttnggnngg tnatancaaa taaaantntt nttttgggan	720
ggaaaatttg naaaaaaann nnnnnntnnn nnnnnntnnn nnnnnnnntn nnnnnnnnt	780
nnnanncnt	789

<210> 4749
 <211> 10
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(10)
 <223> n = A,T,C or G

<400> 4749	
nnnnnnnnnn	10

<210> 4750
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(749)
 <223> n = A,T,C or G

<400> 4750	
gagaggnnnn ttttnaanat cagctacttg ttctttttgc nggatccctc gatttnaatt	60
cggcacgagg tcacacgggg ccacatctgc tgggtgccgt cgtgctcctc tgcagcaagc	120
ccagcctggc cattgctgga ggtcctggag cccacagtgc cttggcctta aagagctcac	180
ttgagaaacg gcttgttccg gtgggggtggg ggggtggattg aagactctga gacgagcagg	240
gaactcagaa cactgagtc cttttgatg ttaaaatatg accgttaaac ttctgggtaa	300
gataatgaat ggcactatgg tttatactgt ttctgttnta tgggctcttn cagagacgtg	360
aactggaaaa ggctctgcan tgtctgggat tcgctcaatg ctgcagggga gggcagggtg	420
gaggggaatg gccctggagg gtgatggggc tggggcatcc gatgcagctt tatagttctg	480
taattaccac ttttaaactt tttattacga aaaatgtcaa ggaccctgga attaccgtga	540
ggtaggcagg ataatgggcc cccaagatgc ccgtgttggtg accccaaga cctttgtgag	600
tgctcaccat ngggaaaattg gcctangtca tcttgcan gc canggcaag cccattggc	660
ccttaaagct tganancctt tcctgctgga ntttganaga tgccngaanc annanaagnt	720
anaaacccct nggaagggcc ntacttcct	749

<210> 4751
 <211> 708
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(708)
 <223> n = A,T,C or G

<400> 4751	
gntctcatnn tgnnaggctc ttgttctttt tgcaggatcc catcgattcg aattcggcac	60
gaggtgcgac gaaggagtag gtggtgggat ctcaccgtgg gtccgattag ccttttctct	120
gccttgcttg cttgagcttc agcggaattc gaaatggctg gcggttaaggc tggaaaggac	180

tccggaaagg	ccaagacaaa	ggcggtttcc	cgctcgcaga	gagccggctt	gcagttccca	240
gtggggccgta	ttcatcgaca	cctaaaatct	aggacgacca	gtcatggacg	tgtggggcgcg	300
actgccgctg	tgtacagcgc	agccatcctg	gagtacctca	ccgcanagggt	acttgaactg	360
gcaggaaatg	catcaaaaga	cttaaaggta	aagcgtatta	cccctcgtca	cttgcaactt	420
gctattcgtg	gagatgaaga	attggattct	ctcatcaagg	ctacaattgc	tgggtggtggn	480
gtcattccac	acatccacaa	atctctgatt	gggaagaaaag	gacaacagaa	gactgtctaa	540
aggatgcctg	gattccttgt	tatctcanga	ctctaaatac	tctaacagct	gccagtgttg	600
gtgattccag	tggactgtat	ctctgtgaaa	aacacaattt	tgcctttttt	gtaattctat	660
ttgacaagtt	tggaaagttaa	ttagctttcc	accaacccaa	tttctgct		708

<210> 4752

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 4752

ggnnttttnan	tctacanncn	actggctact	tgttcttttt	gcaggatccc	atcgattcga	60
attcggcacg	agcttntntg	gnctnnccgn	ctattntggn	atcagagnng	ctgggacagt	120
tgtngctnnc	ctnnntnacg	nnagnnttn	nangnatgat	ntctatgtgn	annacatcnn	180
gaannagnct	angaanaatg	ttgacnccan	tgttntntnn	atgannactc	gaanatncat	240
atatggnant	aaangcaaan	ctntannctt	gngannngng	nctagtatna	ctcacgcgcc	300
cngcnaagac	cctgctcntc	gcagnannat	acagtatgct	attctggact	tacngagtcn	360
gttcnagcat	aatggattcc	nttgccctcg	tacntgmnn	aganaatctc	anntnctggt	420
naccaacctn	ncnangnnat	nnccctantt	acgctcogan	agnatgtgat	atnntaannt	480
gaatnatana	tctgatgnac	tactgacagc	ttctngatgc	ctgctcagga	taatgcctgg	540
ngcatntgac	atcaatanca	acctngntnt	naggctctan	tccttgaang	actntgntaa	600
tgcntacaat	gnttataann	ttgnccatcc	acaatntgaa	aatcaggagc	ttgacnccgn	660
tatnggncaa	caactnctac	ngaacntagt	gaacattgga	tgaatatnnt	aaagcctggt	720
angcnnatat	tnggatn					737

<210> 4753

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(795)

<223> n = A,T,C or G

<400> 4753

tgtacnaann	antgnggtng	ctcgtncctt	ctcnnaan	nnnngcttgg	cgaattcggc	60
acgagggaaa	gagggagaa	agagaagctg	gttatttcta	gaggatgtcg	taatctacat	120
cacaggcaga	actgatggct	cagtggctga	gtggccagta	tattgtcttt	ttttttttga	180
gacaaggctc	cgttttgtca	cccgggctgg	agtgcagtgg	cgccatcttg	gcacaacctc	240
cacctcctgt	gttcaggaga	attgcttcaa	tctggaaggc	agaggttgca	gtgagattgc	300
accattgcat	tccagcctgg	gcaacaagag	ggaaactccg	tctcaaaaaa	aaaaaataaa	360
agtgcctttt	aggccggaaa	aaaaaaaaaa	aaaaaaaaaa	aaaactcgag	cctntanaac	420
tatagtgagt	cgtattacgt	agatccagac	atgataagat	ncattgatga	gtttggacaa	480
accacaanta	gaatgcagtg	aaaaaaatgc	tttatttgtg	aaatttgtga	tgctattgct	540
ttatttgtaa	ccattataag	ctgcaataaa	caagttaaca	acaacaattg	cnttcatttt	600

atgtttcagg	ttcaggggga	ggtgtgggag	ggtttttaaat	ttccccggccc	gcgccaatgc	660
cttgggcccc	ggtacccanc	ttttgntncc	ctttagtnga	gggggttaaat	tgcccccttt	720
ggcgtnaatc	atggggccata	acctggttnc	cngtggngaa	attgnttatt	ccgnnttcnn	780
aatttcccca	nanct					795

<210> 4754
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(751)
 <223> n = A,T,C or G

<400> 4754						
gagaggggnnn	tttcnaatgc	cagctacttg	ttctttttgc	nggatccctc	gatntnaatt	60
cggcncgagg	cncncnctgc	gctccgtgnc	tcaacanggc	atgccnntnt	ctncgtacac	120
tatnnagnga	gattnnntag	gactatggtn	nagnanntcn	gtacntgnna	aaggggganc	180
tattgcatct	anaaaactta	tnatntaaaa	ttgactnatt	tagactagac	tcaagaatgt	240
atatgctntt	ggtaattagg	aactctngag	aatanaggct	gctgattgtt	gccatancat	300
gtnctacaaa	atngnatctc	tatgggatgt	actggcaant	gtgtcataaa	atgctnctgg	360
gttnattcat	ncattccata	agaaaactta	taccancnaa	tgcattaaan	ccnnngcnag	420
ttncatnaa	ctgtanctat	gnaacntttg	tttaaggatc	nntctgatgg	tcntntanga	480
gcnatcttag	ntctnagtca	ttggncnctg	ccntntnctg	tgagtaccag	nacataccga	540
acttgnntnc	cctgcttcca	ctaantccag	ntgtgaccaa	aatctaacgt	gacatcatac	600
ganangttat	agacanaaga	ctantgagat	ctaananntc	ctgcnttnnn	gnnaaccenn	660
ctacaaaana	ntannatngn	gggaanaatn	ntnttnccct	ttgggaccatt	tgncntcaaa	720
atatnngccn	ccngaataga	nntnaaccen	n			751

<210> 4755
 <211> 963
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(963)
 <223> n = A,T,C or G

<400> 4755						
cnaannagtg	annngntcgc	cttgccnaac	nannnaggcg	ggggcgctctt	ggtnttctag	60
ccttttagaaa	aaaaaaatct	agtcttggtg	aagaaaatgt	tcatttttaaat	caagctccag	120
tacagcttgt	gtcaagacct	agtaagacca	cctttaatgt	gttcctggat	atgacattaa	180
aaactaactt	gaaaattggt	aggatatttc	cttggtccct	actttttattg	taaaatctac	240
tacatnctta	agaattaaaa	aacgccattt	cagaagagat	gatagtttta	tcttgccaag	300
gaattatctt	cttagtagcc	tatattggct	tattccaaaa	aaggcggtta	cctccatcaa	360
aacatctnct	gcgcctctct	ctcagcatat	gctntgatnt	ttgaagngtg	naatagattg	420
gagctatcag	tcacttattt	cnaaaaaant	gtnttctntn	ttcttccatan	cctgtgaann	480
agggataccc	naggnaaagt	tcctttctgc	tgctctccct	ccttttggtaa	tgcttatcct	540
tatggaacca	ctnaacctgc	acaaaaccct	tcnccttaaa	aanccangnn	aanntggcca	600
anttcttnaa	ttangccanc	ttattttatc	cccncnggnt	cattaaaccn	aatntcttag	660
gcctggctnt	ggggccttcg	ggggggcctt	ttnggccttg	cnntntgcnn	tnntaaaant	720
ncaggccttn	cnanaananc	anctctntnc	ntctaccgan	naanaaccct	ctcnanangg	780
nccctcttct	tcananaacn	cttcttnagc	tcggagaggg	ncccgaccaa	tttnaaccgc	840
ttctntntnt	ccccnecggt	gtcacctttg	gcttttcnnc	nncantcnnc	catctttntg	900

cnnantnacn nnnnattntt gngngcanac acaacaancn cccaactcca cnctcntgtg 960
nan 963

<210> 4756
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (707)
<223> n = A,T,C or G

<400> 4756
gttttaatnn ntcagctctt gttctttttg caggatccca tcgattcgca agattgggct 60
atggaattgg aaggcctggt ttggagtact cttaaataaa aaaaagttat atttgtaaaa 120
taaccaccac aagattgcct gattcacagt tcttctgagt attggcgtag gtaattat 180
aagatgtttg ataaattgta aaatgctttt tacatttttt aaggaatcaa ttgaactact 240
ggaaaccagt atgtagtatt cttggcaggt ctaggtttca taatcctaata ttctttgcag 300
cccactattc agaaatgtag tgattaacag agtcaagaat gtttcaggat atttttggct 360
acaagtaaca atacctaact aaaagtgcct taaataataa gcagtttggt atttcacaga 420
atgagaagct cagagccaga gagttacagg gttgggttcag cagttcagtt tcatcaagaa 480
cataagactt gcttacttta aagctcctct gcatgtcagc agagggtgc cccaatttta 540
gataccaaca tctggccaaa gaagagcagg gaatgcttct ttaagtactt attanggagc 600
aaaacttctc taaaagtctc ataggagggt tttccttagn ctcatgggat ctcaatggct 660
cttgcatact agaaaaaggc cacattcctt actctggcat ttaagtt 707

<210> 4757
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (707)
<223> n = A,T,C or G

<400> 4757
gttttaatnn ntcagctctt gttctttttg caggatccca tcgattcgca agattgggct 60
atggaattgg aaggcctggt ttggagtact cttaaataaa aaaaagttat atttgtaaaa 120
taaccaccac aagattgcct gattcacagt tcttctgagt attggcgtag gtaattat 180
aagatgtttg ataaattgta aaatgctttt tacatttttt aaggaatcaa ttgaactact 240
ggaaaccagt atgtagtatt cttggcaggt ctaggtttca taatcctaata ttctttgcag 300
cccactattc agaaatgtag tgattaacag agtcaagaat gtttcaggat atttttggct 360
acaagtaaca atacctaact aaaagtgcct taaataataa gcagtttggt atttcacaga 420
atgagaagct cagagccaga gagttacagg gttgggttcag cagttcagtt tcatcaagaa 480
cataagactt gcttacttta aagctcctct gcatgtcagc agagggtgc cccaatttta 540
gataccaaca tctggccaaa gaagagcagg gaatgcttct ttaagtactt attanggagc 600
aaaacttctc taaaagtctc ataggagggt tttccttagn ctcatgggat ctcaatggct 660
cttgcatact agaaaaaggc cacattcctt actctggcat ttaagtt 707

<210> 4758
<211> 707
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(707)
 <223> n = A,T,C or G

<400> 4758
 atgcggnccn aatnntnggc tactcgntct ttccgcaaga ncccngegan tcgaattcgg 60
 cacgagattt gggagtnnta atatngacat tncctngatg ctnatatatg taatgtctta 120
 attgagattn ctgtnanggc anaaataatt aggctagggc tcttagtttt cattcctatt 180
 gcccaagtnt tgtcaaaacta tgggtataatt ttaatgttac tttaaaaatc catantctgc 240
 tagttttgca tgnctttata tgaaaacagt gcagtaagtt gaaaactcag tgtctatgga 300
 attgataaat gtcgatctgg tgtagtatat tttatcgcat ttnccttatat taaaaaatgt 360
 ctgcatgatt ncatttttatt tcctttgtaa tttacatttc agaatagtgt attgctatat 420
 ggggtgccaa attgaatatg aagaaccna gtgtttgtag tattatagtt ttaagcaaat 480
 ctgtgtggng atacagccat nagantgggg cttatataaa ctctgaacat gtaagatttt 540
 gtacagagaa tcnttaactn tataaattgt atatgancat gtaaactctt taaaatgtac 600
 atnanatact gtatttcatt accttgtgtg tnatagtcta gtcattgect gttaatataa 660
 tttattacgt nntctgnagc ataaacccat acatngatga cttannt 707

<210> 4759
 <211> 842
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(842)
 <223> n = A,T,C or G

<400> 4759
 annncnntnn annantncnt nntnnnnatc nnnntctnnn tncntntnna tttaannntt 60
 tatannnnnn tntnannnnn antnntaatn atgttnntct aatgnnggct nctactcttg 120
 ntgnttgctc agtaccnng gattcnaata cggcacgagg caagttccag tgaaccacaa 180
 gtatggcaaa ncttatccaa ttttatgctn ggggcagtca gnacatacca gtttctgatg 240
 tttcaggcat gagtggggtg aataagtgtg accacttaaa gctgntcgtt agcatggaag 300
 acttctccat tctatctttg naaaacagac aanatatgca cttgacatat tagcaaatng 360
 gtncctgaatt atncaactgt ttgctattta ntaaaactagc aaatgatgca tgtattntgt 420
 ttttcatgtn ctgggcaata tgagtaaaat ctgtcccttt tccccctnt gaatgaggtc 480
 tnnatgntt gangnaaagt nttgactat ngcatatant nnggggacac agattttcat 540
 aatntccatt ttttgggggc ttaaggattt nttttttcn ntgtgaaaca gtnataannc 600
 ttanncnata tnatancctn aaatatntac caggaaaant cttttttgga nttttcaaag 660
 ccttnmatta antctanttt ttaaagaaan cncntatggt atattntna aaagggtntt 720
 ttcccccaa nccttanttt tacctgnnaa nncctgnttn cccntttaat antatnttta 780
 ccaaatntcc cnatttccng ganaatntnn cccttccnt nccttgaaaa acattgtttt 840
 nc 842

<210> 4760
 <211> 843
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(843)
 <223> n = A,T,C or G

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<400> 4760
tgancatcatn tctcaagnag nctanatngc cctaacnaga atngngctng gggnaattcg      60
gcacgagcta gcagtaggna acaaagtata anaatgacag cagatgtgtg gncanaaatt      120
attcanggcn naagacantn gaactgaaaa nnaaagtagg tcaatctaga attctatacc      180
caacacaaat atccttcaaa aatgaagggtg aaataaacac tttttgatgg acaaactgaa      240
gttgagagaa ttcgtnacca gcagacctgt agtacaaaaa atgttgaggc aagtttttta      300
ggcnnaanaa aaatgatact anatagaaat ttgggctnca caaaggantg aagaggcttn      360
caaatggtnn nattatntgg aancatatga aagtnatctt ttctcattnt caatcccttt      420
tgagaaactg cttaaagcaa naatatnnac naggtactat gnagncttaa naacatacat      480
anaancaaaa tgtatgacaa aaactactaa agttnnccan gantnntggt gtgtgcctgn      540
ngcncngcn tgtcttgnn ggctnnatg gggcagatnc attctnaccg gagccnnat      600
angtctaac ctntntgan ctgttgantg gtntcactca cncctcctg ggctacacan      660
ntngacctn tcctgnaanc caaancctct ctcaaccttc cncnttctt cnnanctntt      720
anctgnannn tcnnttatnc nccccnnt cccccacct tectccgnat cncctctcct      780
gcanttttn gctcncanc ctcccaacnn tnnngnaatt tctcactgn canacacann      840
nct
843

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<210> 4761
<211> 718
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

```

```

<400> 4761
gntnttnnt tntatannna cangetactt gttctttttg caggatccca tcgattcgaa      60
ttcggcacga ggcttctgtg tcaaaaaaca acaaaaaatg gatattagga acgttttggt      120
gtttaaaaaa attactttgt ttttacactt tggtagaaaa aacttaagga atatttcaaa      180
cataatacaa agtgagcaga atagaatagt gagcttttat gtaaccattc tttttttttt      240
ttttctgtaa aaagagacaa ggtcttgctc tgtcacccag gctggagtga agtggtgcta      300
tcataacttg ctgctgcctc agactcctgg gcggaagtga tcctcctgcc ttagcctgcc      360
gagtagttag gactacaggt gcacaccacc acacctggct aatttttaaa tttttaattt      420
tttttggtga gacgggatct tactgtgttg ccaggtggg tcatgaactt ttggcctcaa      480
gcagtcctcc tgctgtggcc tcctaaagtg ttgggattga gccactgtgc ccagccatt      540
gnttttatta ttttttaaag gtttattttt aggtgaagt tacatatatt gaaatgcaca      600
aatcttaact gtncagntgn taataagttt tattgagata taatntatat actattagtt      660
atatggtnca taattcacat gccttctttg aaagngtcca nnttcaantg aatttttt      718

```

```

<210> 4762
<211> 718
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)...(718)
<223> n = A,T,C or G

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<400> 4762
gntnttnnt tntatannna cangetactt gttctttttg caggatccca tcgattcgaa      60
ttcggcacga ggcttctgtg tcaaaaaaca acaaaaaatg gatattagga acgttttggt      120
gtttaaaaaa attactttgt ttttacactt tggtagaaaa aacttaagga atatttcaaa      180
cataatacaa agtgagcaga atagaatagt gagcttttat gtaaccattc tttttttttt      240

```

ttttctgtaa	aaagagacaa	ggtcttgctc	tgtcaccag	gctggagtga	agtgggtgcta	300
tcataacttg	ctgctgcctc	agactcctgg	gcggaagtga	tcctcctgcc	ttagcctgcc	360
gagtagttag	gactacaggt	gcacaccacc	acacctggct	aattttttaa	tttttaattt	420
tttttggtga	gacgggatct	tactgtgttg	cccaggctgg	tcatagaactt	ttggcctcaa	480
gcagtcctcc	tgtgtgtggc	tcctaaagt	ttgggattga	gccactgtgc	ccagcccat	540
gnttttatta	ttttttaaag	gtttattttt	agggtgaagt	tacatatatt	gaaatgcaca	600
aatcttaact	gtncagntgn	taataagttt	tattgagata	taatntatat	actattagtt	660
atatggttca	taattcacat	gccttctttg	aaagntccca	nnttcaantg	aatttttt	718

<210> 4763
 <211> 768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (768)
 <223> n = A,T,C or G

<400> 4763						
gttannccctt	tcnaatgctn	ggctacttgt	tctttttgca	ggnncccatc	gattcgaatt	60
cggcacgagc	tganttgccn	gananntaat	gngnngngnc	aagagactct	nccantntgt	120
aantggctan	ttagnntgnc	tagctgagcn	taatnaaagn	nagnaaactt	ttataactna	180
ttaatattct	gagnnnnncan	gngcgccant	acnntatncc	ntnancttgn	atctatgacc	240
atatnaatat	anngcataat	nccgcttcta	tcatagagtan	ctactagagg	natgcatngc	300
gtgtaatngt	gangtaatnc	annttacnga	aanttangtc	ttgcangnat	anggnntnnnn	360
nactaatatt	ttannatata	gatatgacat	ntgtggaang	agcactagag	cntgcatctt	420
tnatatgntn	nttgnctana	tgancagcan	ngtatgnngn	tcaaannttat	nanaactcat	480
ncnagtgtct	gntcattcga	accctacctg	atantantct	aacttgggaa	aaaaaaantg	540
gtctgaatgn	tncanntttt	aagtgnctat	cnccagagtt	ggaaataatg	ccaanangcn	600
tnngtnatta	gnttcncaca	tgtanngtta	ggtttttttg	actnntgcna	ngcttactan	660
ttggggggaa	gaagaattca	gaagccntgg	aaaggtnggt	cngaanttaa	ngaaatngta	720
aaanaagct	tggnaaaantt	ttacccttgg	caaggatngn	ntngccnn		768

<210> 4764
 <211> 768
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (768)
 <223> n = A,T,C or G

<400> 4764						
gttannccctt	tcnaatgctn	ggctacttgt	tctttttgca	ggnncccatc	gattcgaatt	60
cggcacgagc	tganttgccn	gananntaat	gngnngngnc	aagagactct	nccantntgt	120
aantggctan	ttagnntgnc	tagctgagcn	taatnaaagn	nagnaaactt	ttataactna	180
ttaatattct	gagnnnnncan	gngcgccant	acnntatncc	ntnancttgn	atctatgacc	240
atatnaatat	anngcataat	nccgcttcta	tcatagagtan	ctactagagg	natgcatngc	300
gtgtaatngt	gangtaatnc	annttacnga	aanttangtc	ttgcangnat	anggnntnnnn	360
nactaatatt	ttannatata	gatatgacat	ntgtggaang	agcactagag	cntgcatctt	420
tnatatgntn	nttgnctana	tgancagcan	ngtatgnngn	tcaaannttat	nanaactcat	480
ncnagtgtct	gntcattcga	accctacctg	atantantct	aacttgggaa	aaaaaaantg	540
gtctgaatgn	tncanntttt	aagtgnctat	cnccagagtt	ggaaataatg	ccaanangcn	600
tnngtnatta	gnttcncaca	tgtanngtta	ggtttttttg	actnntgcna	ngcttactan	660

ttgggggggaa	gaagaattca	gaagccntgg	aaaggtnggt	cngaanttaa	ngaaatngta	720
aaanaaagct	tggnaaantt	ttacccttgg	caaggatngn	ntngccnn		768

<210> 4765
 <211> 1475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1475)
 <223> n = A,T,C or G

<400> 4765	
actaactatc ncacacnncn acgccnaaaa tngccnaacn cnnnnnaaag ctnggggncn	60
anacctncac caccnancac ccaaaanaac aancnaaaca acaacagncc cctcncacct	120
nnannccnnc cnccataant acancctccc natagctntc acccacacan cacacncnt	180
caacccccan caccctcccn acnccccacc caacccaaan acntnacnta annccacccc	240
cacnaaanac cnnncaaca cnnacnaca cncncanncc tcacnccaac cnccccaccc	300
nccncaaccn ancnccctan canaccaccc cncaccccc ccccaaacnc aancnncan	360
cnnncanacn anctcaaccc nnaccacccc cccncaccaa caccctccan accccanacc	420
cctnanaccc cnccaaccnn ccacacncat cacnnncaca acatntacnn cntcacncan	480
caanacnaac acccaccnca cacnnacacn cacatcannn natgnnctca caccactca	540
ntntaccaan ctaacaacca caccatacgy ntatncaca canncccaca acnnacatc	600
acaccancc ntcnnaacc cacnacacn acacactcca tacanccanc ncacancaca	660
ccaannncca ncaaaaaccn acacaacaca nannccacaa cactctctnt ancnnacact	720
ctaatactnc ntaaacatna cncnnaacc cacactaccn caaccatnat nccatacacn	780
cacacanaca catcacaacn cncnccctnt cantctncac ctacacacna tnnacanaaa	840
cnnccaccac ctnttaacna acacannntn cacnacncac accaccacat acaccaca	900
ntccctcnc tcncnncaca ccacaccacc aaaatcacc cnnacaactn tncnctnaa	960
tnctnatatc nctccaccac naatnntanc cnacacnnc annctctcac aacactctcn	1020
cacanatatc ctntcncntc ngantcacac ancannacaa ctnncccaca tctcacannn	1080
cnnanmntna cctntcnanc caccacacat cacacacctc acannnccta cntcacnacc	1140
anccacacca cnanacccca atncnctctc canacacaa acnanacnnn cctcannnca	1200
tcnacncaca tncatcacca ccnaccacnn aacacctnct cactacaaca cncancnatc	1260
accnaccncc atcacacacc acncacanca caccctcacc acccaanntc acacactnct	1320
ctccccnctc tctccaccn ncnncaatcn nncaacacnn ncccaccac accctctacn	1380
ncnctacnn tatctatcac caccanacnc acacatatc atnnncacac ntcacctntt	1440
annaacttca cacaactatc natncnncnn tncct	1475

<210> 4766
 <211> 798
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (798)
 <223> n = A,T,C or G

<400> 4766	
ggttnatanc agctcttgct ntgngecnga tnccngtgaa natantctct ctagctcact	60
tgtnataaant gganagtctn tnatnategg tatgaaccn tnaaggagcc atgtntaccg	120
gnctagctat actngnccnn gggaagnccc tgcctgtgtg nantnccntn ctgggatnct	180
tnaanagnaa acnnnacgct ctncanatt cntnagatgc ncagntagct tatnagncat	240
gggattgcca nntgnnccat ctncgtgtcn anggnctncc anngcacnng tttnnncgac	300

naacnggncc	nctgtgtaaa	tagnaggcng	agaaatgata	cnntgctgtg	gaannaccaa	360
ccnactatgg	accngaaact	tgetggcnaa	atnaattatc	tncnacaaac	ngnaangtgg	420
ctcngagatt	gatngttggc	tataatatng	aagccctgc	cctgtgacnn	tgatnctagt	480
gattattgca	tgntcctca	tctgtatant	gaaanncatc	tnattaggma	nagngtttng	540
anacntttng	aaaggncnta	ctggnaatth	acnttanaat	tnntttccat	tgtccgacca	600
caaanttnca	agnttttccn	gncacatttn	nnnacttaan	ggcccnngna	cctggaagng	660
ctttgaaaag	gcgccttttn	aaannnggat	ttagecngnt	tnatttancc	cnntttanaa	720
acnggnntc	aggncnccca	attncnngaa	anntaacctt	tagncctttt	tnaaaacttt	780
ttggggnggt	cngnnatc					798

<210> 4767

<211> 1861

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1861)

<223> n = A,T,C or G

<400> 4767

nacngngttn	gtgaggccta	aatagctnnn	ctntngtgta	ttngggmgna	ggtgcnttna	60
tnngccnna	gnntannnnn	nggntnggag	nttngggngn	nnnctancnc	tatanccnnn	120
naennagggg	ggggncnttn	tnnttccctt	tnctnctcnn	ngtgnntttc	tnngnccntt	180
tnncnnttn	cantctnnnc	ctcagctnnt	tnngttcnn	ccnnantncn	nnnccgncca	240
tcctttnttt	ccnncccttn	cttctnttnc	aancactntn	natatgccnt	atatactcnn	300
ncncgncnac	nctatnncta	tcnccctnnn	tctnccctac	nnnctcagta	nttntctctn	360
nnngncntnc	tanctnctgn	gtctcncatc	atatatnccg	acgtnnnccat	tannccctcca	420
gtcctnnct	ctnactctna	nnnangtctn	tcctctctnt	cnanannctc	tnntntctat	480
ctnnattang	tnacgntct	gnncncttc	acangagnt	atgnncnttt	tgtncccttc	540
ntnctcngc	nncacgactt	cnatntctc	nattnacang	ntcactgcta	actcancntn	600
atntctctct	ncnnnagcga	acgatnntcg	cannanacag	cctntctgcn	nananacttc	660
gcncntcgt	tagngcgatc	tnncagttna	ttcttnatcc	tcgtnttgta	ntatntntan	720
gaatacatna	tcntncangc	nncacttanc	anntnncatg	acnaactntgc	tctctgntan	780
cacanangct	ttcngnctn	tcttacgann	ntgcngcgcc	anactntgac	tnctntatgt	840
cgtctctcat	nnatatttnn	tnacatanc	tnnctntctc	ctncantntt	gnctancctg	900
ntgattctct	atatngctca	ctntnccat	acannntngn	anacnattgt	nactcaangt	960
cntcgnnnan	nttctacgct	cnctntgacn	ttccaatang	ganatntctn	tnccacnnct	1020
gtntatncca	ngtccctgan	ccgannatan	atcnnnatat	cgacgacnng	cnannnatat	1080
tctctcagcg	nataatnctc	ngnnctctaa	ncncanactg	ctattcnant	agnncnctn	1140
tctctatncc	cncctcctan	tacannattn	ggntnnnttc	gctancnntn	tcgntctcnn	1200
ttnnntatan	ntnnmagctc	acnnncnctg	cgccatntnt	acntcatncn	nngtctccat	1260
anacatntac	tnctatnaa	ngtaccctnt	ntctctcgan	ancncnnatn	nattgntcat	1320
nanatcanaa	atntnnacnt	ctctgatgac	gntctcant	atactgncac	tcttcnnatt	1380
attatnnagt	tcgatgattc	ntctctcana	naannctngn	cnnnctcttc	tnaccatntc	1440
nancgntagt	gncatgcanc	tanntcncca	cntntatntg	cgccaccatn	tactctatng	1500
atctcctga	nctatntnan	gnatnatctn	tnncnccnat	ntcctgtnt	antcnancnc	1560
anacatnccg	tctcatctan	agtctcttan	gancnccgna	canactctc	acanaagatn	1620
nntagcctat	taatatgana	nttccctcna	nttccctnnn	nnccatntnt	atannccnag	1680
nanngactcn	cgacatntna	tcantctctn	cncnaacnct	nttctannng	tnntaatctn	1740
gnannctcgt	antcnnnnca	nttcnntntc	atgcacattg	cgcanntct	ntncatcaaa	1800
acatactnta	tnctnagacg	actnnagctn	cnatactctc	tcnnctnnan	ctngccnctn	1860
t						1861

<210> 4768

<211> 1522

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1) ... (1522)
 <223> n = A,T,C or G

<400> 4768

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nntgnctttc	cngcncttaa	ntccncctct	caccnncntn	nccgncgngg	ttttcncccc	180
tctnccctcc	ttncctatn	ctcttneecn	tccctctect	ntccccent	tntcnatntn	240
cntccctent	nccntatctc	neccctcccn	ccccccanc	catccttttc	tnnctcccn	300
cnctctcnn	tnccctcacc	ttttntcnn	tccnnnttet	ccctcacnnc	cncnancct	360
acatcnctc	tcttncnt	tnttctcnc	ttnnacactc	tctatcattt	atcctccan	420
ntantnttna	tcccnntcta	cctnnmtcta	cctttccnca	nanntcttca	tctttccctc	480
tcactccata	netnacctna	tcccnacttc	tntaatctct	tcnntcactn	ctcnctcact	540
ctcttntctc	tcnnccannn	nttcacactn	tntnnnctn	tcctntcnan	ntcnttcant	600
ctcanctc	ctctntntn	tnttctctnt	ntccccntac	nnccctcccta	tcnctctnnc	660
cncatcnnac	tcctctctnt	ntccaccctc	ctnctctcnc	cntttatanc	acncttacnn	720
ctcnctnnn	cncntctca	ctcactngct	ccatcnctn	ttntatanat	cccncctctn	780
tctgatctct	cnccnactt	ccncanactc	tactnacttn	tctncactnt	ctancctctt	840
ctcctcanct	ctcganact	ntntcncann	tcatntcna	ncttntatac	cancgncntc	900
tacctntntc	cctcacnacc	ttcctctccc	ttcgntatcan	ctcncncnt	nctnctcaca	960
ctnnctcact	nactcatnnc	tntnnatctc	nncttantcn	cncncnctnt	cactctctca	1020
natactntct	nntctatctt	ctntcantct	tntcttncnc	actatncact	cccctctnna	1080
tctaccctct	caccatnctn	tnnaatccnc	tcagntacnn	tctacatcat	tnccntccat	1140
ctcctgetna	cantntcnc	acatctctct	ctnnnnnccn	tntnactcct	ctcncncct	1200
cctantcat	cacntccatn	tcnctctctc	tcnnactcta	cncntccct	cnactnntca	1260
neccnctta	tccatctcnc	cnntctatct	accnactaa	ctctctccct	accnctntt	1320
ctcctntntn	tctnctctac	atcantctac	tactcctncc	tntnctctat	nntcttntct	1380
ttctnaccat	tatcncntc	ctcntnccct	nncnmtcta	tntcntntac	atcctccnt	1440
cacttactct	cacnncnctt	nccctctacc	tctctcacc	tctactctc	ntntctcnn	1500
catactannc	tctcncctc	ct				1522

<210> 4769
 <211> 1411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1411)
 <223> n = A,T,C or G

<400> 4769

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ancannannn	nnnnnccnnn	nnnnnnanctn	ncnnnccnnn	nnncnccnnnc	nnnnnnctntn	120
nnnnnnccnn	nnccnnnccn	nncannnccc	cnnnnnnncc	cnnnnnnccc	nnnnnnnnntn	180
ccancntann	nntnccnanc	nncnccnnnn	nnnnnnnaaa	agaagaagg	nnnnccnnnnn	240
nnnnnnnnnaa	anagaaacnn	acnnggggnc	gcgnnggggn	cncgnttttt	tcctttaaaa	300
annaggaccc	ttggggcgna	cannngcctc	acncatcgct	nnnganaca	cgagacnttg	360
cggngnnnga	tttttnnaaa	naccgantnc	cncatacnna	cnacgcncnn	ncgnnnnnaaa	420
nnccnnannn	angnangtan	nnnncgaacc	ccnnnnnaaa	ncancnctn	agnaaagncc	480
anncagcact	cgctgcggtg	cctnccnncag	ccgncgnccc	aatcacnnc	ngntnnnacc	540

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ancnctcnan gaccagctaa acctccanan agccactctg ancctcctac ctntnnagac      600
cacngaacnn attcnancag gacncannnn cctcaacacn acnatccct cactgnnccc      660
cctcccagac aaanncannt cntnnaagcg ccatcncnnc nnanancnnn natccnannc      720
annttcntan ccccatantc ccccacacac ccccngnnc gnncantnac nnnaacannc      780
nccgtagccc cmtcctnaa ccancctanc atannacctc tncnnnccct ctctgcnccn      840
cacaacnnat nantcncaaa caanncnnc ncancacnta anncnncnnc ccacaacncc      900
cncgncgaac atncccnnc cnnagnaccc acacataana naccnncacc cnactnatat      960
atccacaanc naancnntn nnnccaana ancccnnat caacancacn acnaacannt     1020
cncncntat nntatcnann atcannnnca ccncncctt annannnnnn nntnacang      1080
tanaaaacgn ganaacnnc nnncnntcta acctnnaanc cacnncnnc acnncnanta     1140
nccctccnng anncnnnnc cnnaccnnc cttannncnn ncccccttna anacnanta     1200
ncnncananc cnnncnnanc gacncantaa nccccaatca nctaaaaann ctctcncnna     1260
ncnaacacat cnannacgan cntccnanc atncacganc ncnannaant cnacncanan     1320
angcntcnac ntatctnnaa acnnaannat nctcactanc acacaaatct nncacnanta     1380
anancnnc cgnaatcanc aanatacnnc c

```

<210> 4770

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1349)

<223> n = A, T, C or G

<400> 4770

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cccttaaaac atcagggann ntatgggngt cttntngggg gccnntnnnc antntcatat     120
cmnatacana nccccentnt ctacacatcn ctntctactt annanctctn nntcatcnc      180
tgnnnnctat anntatctnc tcccactccc ctacttcacc tctcncnncn nctcctctta     240
ccancntatc accncanac ccaacacnnc accnccnacc tancacctat canntcctca     300
nattctccct ntctccctt cctcctctc attcctccn canctcnana ccncnnncac      360
ctcattctac tacacnncnc nctccctct cccnnaacnc tctccatcct ncncccncc      420
nccttcccn ttntcnccct cctannncaa cactccacna caccnntcn tctcctcact      480
cctactcmtc anccncannc tcanctccan actntectna cataactacc ccaactmtac      540
nctctncatc cactcannn tcacncatcc actctcntnt cmtctcttn nnacctcnca      600
tcnntctnac acctctnccc ctctcnttc taccattcac tctactctn nctnnctcac      660
tctctcattt cntcnacnt ncatcactcn ttccnntacc ctatcnctct ntatctntca      720
ccatatacnc actcncgcac actctancta cmtctacct atactntcnt ctcatcacta      780
natntntacn tctctcnacn cttannnctc nactacnnc tctcttctcc actncanct      840
anacacatc cctactncac ctacatatn tntctcnnc ncatnatac ctctnnatnt      900
antcctctc tncnncacnn tntnccctac acacactntc tcacactnac nctctctctc      960
tctntctec tcntcnncnt atanacctnn cactctcant canccctact accnctcttc     1020
tctcctnctc cmtntcttc nanatnnncc nctctacacn ccacttacan naccacacat     1080
cactcctnca cctnccatcn ntcncttcac tanntaccac nncactcnca natctcctn      1140
tctntnctc nntnacnct caccatcntn tctnctcnc tcaccntctn ccactctcac      1200
ctcnttcana accatactcn ntntccacte cnccttcan ctctccacc nacataccc      1260
nncacncac tnacnctcc annccacatt cnacacntcc ntcnncncc tcttttcnnc      1320
tctncccc tntcntncac ccttcccn

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<210> 4771

<211> 791

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(791)
 <223> n = A,T,C or G

<400> 4771
 gnntttagan nnnncngccnc ttgttctttt tgcaggatcc ctogattcga attcggcacg 60
 aggttatggg gggaggagcc gatactgagc ttcttcctat ttgccatggg cttcactgta 120
 taaataggag aggatgagag cccagaggta acagaacagc ttcaggttat cgaaataaca 180
 atgttaagga aactcttata tcagtcatgc ataaatatgc agtgatatgg cagaagacac 240
 cagagcagat gcagagagcc attttgtgaa tggattggat tatttaataa cattacctta 300
 ctgtggagga aggattgtaa aaaaaatgcc tttgagacag tttcttagct ttttaattgt 360
 tgtttctttc tagtgggtctt tgtaagagtg tagaagcatt ccttctttga taatgttaaa 420
 tttgtaagtt tcaggtgaca tgtgaaacct tttttaagat ttttctcaa gttttgaaaa 480
 gctattagcc aggatcatgg tgtaataaga cataacgttt ttccttttaa aaaatttaag 540
 tgcgtgtgta gagttaanaa gctgtgtgca tttatgattt aataaaaataa ttctaaaaaa 600
 aaaaaannnn nnaaaaaaac tngagcctnt anaactttag ngagtccggn ttacntnnat 660
 cccggacctg gntaaggata ccattggntg aantttgggc caaaccccca annttgnaat 720
 gccntggnaa aaaaaatgcc ttnattttgg ggaaaatttt ggggaaggcn nttnggnntt 780
 aatttnggna n 791

<210> 4772
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 4772
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 acgaggntac ntgcaatnac catnntggna tcagtnact annccctctc ntagaaaaaa 120
 ggggaccnag agacnggtnt tcaccatntc gcccatgcng gtctcacact cctgagctca 180
 ngccatccna ctncctnnan ctaccaaagt gnttccgtna nagncnaact catttttnatt 240
 caatggccat ngmntctnac acncnattga natntnagcn naccntannn cagttnctcan 300
 ataccacntg gcgnatnnan aaccccnnga tgcnnagacc tngtgaacca natgctnana 360
 tgccattcaa tcaggaagat gccaaaaatg nnctnnttat tntaanataa gtacttaagt 420
 nancantatt cagaantgac nntctcatan ggaagcnnnn ttatctnctt nnatnannga 480
 nattgttana atcnttnccn ntaatccacc ttnatnnmta ccntttgtt tattaaggca 540
 aaagattncn nttatccnnc tannaatget tcatgaaatc naanntaata tttnttnaag 600
 ctantntcca ccattanttn nnnntgtaca tttntaatn tgnaannccn atcttgatn 660
 aaagaacctt aatnnccaan nnttccntna tnatgntnn attccacctt tanncnatat 720
 annccnaact tntctntct tttnttcnc 750

<210> 4773
 <211> 979
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(979)
 <223> n = A,T,C or G

<400> 4773
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gnacgagccn ncctgggtcnc tgnccaggatt gacnnattgn tagctntttc tagannnnngn 120
gnatgggtgt gcatggccga gtcttagtat ggtggagcgg atcatgaaag cccagncact 180
tgunggacaa ctncaccatg ggctatatga nggccaaaaa ncacctggag atcaaccctg 240
nccaccccat tgtggagacg ctgcgncaga aggctgaggc cgncaagaat gataaggag 300
nnaaggctct gntnntgctg ctgctngaen cegnnctggt atcntctggc tnnnccnntn 360
aggntcccca taccactcn aaccgcatct atngcatgat caagctannt ctngtattg 420
ntgantatna nnctgncacc ananganccc acnncttgca actnctgatn agatcccntt 480
tntcnnggc nacgangatn catttnttcc tngaanaagt ccatntagtc actttncenn 540
tccnntntcn aacctnttc ttcctctanan cttacntttt ccnnatcntn cctcnnctc 600
tcgncnattc nccnctctn cncctctcc tcctctcenn tgnnctatc tnnccnccc 660
ccnctcnnnt tntctnattn tacttctccc tctctctcnc ntnnncattt tctancctct 720
cntnctntc tnttactnnn ctctctact acntcactcn nctccttact cttnnctant 780
nnnctctnc ctntnctct nctctcenn tctctnancn ctctntntnn nctnntcnac 840
cncntnctc nantcannn nctnnntnca tcatcatann ctntctcnc ttaantnnt 900
ntcctctct cncctnttn cncnctcan tctttctcnc tctctntcnn tctctntct 960
ntcaccntcc tntctctct 979

<210> 4774

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 4774
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cntagggggc ctnantctaa tangngcctt ntgnctgtca tgatngncaa ttganaagna 120
nttnantanc ncathtagaa tctantgact agcctcctct ctggtngctg gtggcattna 180
nggttcanac cancntaan tgctgggtgt gttnaanang tctcacgtgg ctgcntgtcn 240
tggtctatgc ctgtnttccc aacattctnn nagggccacn cngtagaacn gctngagncc 300
angagtncag aatcagcctg cgcaacatnn caatactcnn tntcataaaa attcataaat 360
aacangtctc acgtgaccaa nggctcctga agctagaacc angtttggat acaagattga 420
agatccacan gccantcttg cntctgagcc nttnngccta ntngngmcat gtntnnnaat 480
tgntcanggc nagagcnnnc nntntngent natacnggaa ngncngctta attngcnnnn 540
nttcagtcca aatnnnatac tntngggacn ntaacntgcn ctatnctnta tnnccagaga 600
ctacngtctt antcatccan naaatganeg atngntnatt attcccatgg cacctntatn 660
naaatccaga gttcttcgca gncctttnngc tnttttatatg tgnccaaat nttaaaccnt 720
nataattatt gggcntctga n 741

<210> 4775

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(711)

<223> n = A,T,C or G

<400> 4775
aatcngctgc ttgctactcg tgcngatccc tcgattcgaa ttcggcacga gactttatga 60

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gaagaatctt actgaaaatc aagaagctct tgcaaaagaa atgcgagcag atgcagatgc 120
ctatagacga aaagtggatc ttgaagaaca catgtttcat aagctgatag aagcaggtga 180
aaccagagc cagaaaactc agaagtggaa ggaagctgaa ggaaaagagt tccgtttgag 240
atcagcaaag aaagcttctg ctctttcaga tgcgtctaga aagtggtttt taaagcaaga 300
gataaatgcg gctgtagaac atgctgaaaa tccatgtcat aaagaagaac ccagggtcca 360
aatgaacag gactcaagct gtttgacctag aacctcaca ttaaataact cttctgaaat 420
ggatccctca acacagattt ctttaaatag aagagcagta gaatgggaca ccacgggaca 480
gaatcttatt aagaaagtga gaaatcttcg ccagagactc actgcccggg ctgcgtcacag 540
atgtcaaacc cctcatcttt tggctgcata gaatgcatgt cacttgaga cggtcoganag 600
agagacctat ttgcaatca gtgacattga tttttagatt atttatttaa aattcctatn 660
aagatcagcc ctttgtacag aaaaatgtgt ctataaaaaat tatgtgttat t 711

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<210> 4776

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (858)

<223> n = A,T,C or G

<400> 4776

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cttgggccnt acagnngnaa ngaangatgg gctggtggat tggcccacct gggagcaaca 180
tggggcangg ggagccctca ccctnagcca nccagacgag tgggatttnc cccagnacan 240
nataccccct tcacaaangg accactnaag tgcttcatta agcaagtcct ggatcctgtg 300
ccnccaact gggtagagaca cccaatggg tcacctaca ccttatacaa nagcatttta 360
ctggcatnan gtgggtgccc ctcaangaca nagatccan agganngagt ggggtctnat 420
ctttgtctgt nttccatcac tctttggtga catnttcagg tntgggaggg acccagatta 480
gtattggctt tgaangaaat tcccannnat antgcannta tncctnnatc aagatgggtgc 540
ctanacttgn ttataagnn ataacantna ngctacacc naacnttcan cccntaaaaa 600
attnccctan cnaaaanncc tcaatntttn aaagggtcna ctgcttncnc tttacaagga 660
atctnantgn tggntaactn anacnttctt tgtaaanatt ganntaaacn gggntnttng 720
tatntatann tctnctnta acnantcctn tgatnaaang ggnttctatn taatcggtgn 780
ttctgcatcn taaccttctc naanaaanng tattctctnc taatntcanc cncntttnta 840
ancnnngtca anacgcgg 858

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<210> 4777

<211> 999

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (999)

<223> n = A,T,C or G

<400> 4777

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ccnccnccnn nnnnnnnnnn cnnnnnnnna nnnnnnnnnn nnnnnnnnnn nncnnnnnnn 60
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annnnnnncn nagnnnnnncn cncgnnnnnn nnannanngn gnacnccnnn tanannnnnn 180
nnnccnnnnn nnggnnnctg ncnnctttt tcnaaaagct ggtcctcngc nactnnncag 240
gcagcccnnn gattcagaat tcggcacgta ggccaagtat gcagtgtnaa cggctgmnnag 300
nntcgagaac cngagtgtgn gctctccntg nngaccnaga ncgangcgag agctccaagn 360

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anganatgan	tgngacctgc	atggganaag	gncaggngga	tatcatggag	agcgtgaana	420
nccggtctga	aanganacag	gggtgccacc	cangtgccag	agatgcgaag	naaccaatan	480
agcaggggan	gggncaagng	nnnancgaac	ngaagagcan	nnaacggnnn	anangnnaag	540
gagcacaatg	angccctnat	cgcccnagac	nctcacgcn	atnagggtc	atncaaacng	600
agcacccgct	ttcnnttgcc	cacaaaatng	aattgantca	agncacgcn	gacangtgc	660
nanagccnng	ccattggaac	tcgtctcccc	cctangaatg	ctgcccttgc	nannacccat	720
tgctatgctg	ctnaccannt	ccccttgta	ttcctggggc	ccctcttatg	nactgnaacg	780
antcancctg	gactaggggt	aaaaacgnan	gnggaaatgn	tatangaant	tngcaccang	840
naatcatngc	ttatccatnc	ccnaatgcat	ngntnaaant	tcnacaacta	gtncgtcata	900
gnacncntnt	ggaatannta	ggngaaactg	tggttatna	atngtccnan	ntggganaag	960
ggganccana	tnaacttggc	tnaagcncga	atgtnnccn			999

<210> 4778

<211> 796

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (796)

<223> n = A,T,C or G

<400> 4778

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gaagaagctg	cagaagaaat	gaagaaagt	atgatgattt	anattttgat	attgatttag	120
aagacacagg	aggagaccat	caaatgaatt	aatatcactg	tattaaaagt	ctgccgggca	180
cagtggctca	cgcctgtaat	cccaacactt	tgngaggcca	aggagggtgg	atcncctgng	240
gtcangantt	cttnaccngc	ctggccaaca	tgggcggaacc	ccatcttcac	taatagtaca	300
aaaaatttagc	tgggccgtgg	tggtcatgc	ctgtaatccc	agctactcaa	gaggcttgan	360
gcaggaggat	tgcttnaacc	ctgnaggcgg	agattgaagt	gagctgagtt	cgtgccatta	420
cactccacct	gggtgacana	gtgagactct	gtctcaaaaa	aaatanaata	aaaagtcnat	480
ttacaatgtg	aaattctgac	accttttggc	tttgagtatt	ttcccaaaga	tattttgaat	540
ccttantgaa	ggaaattnan	aaaaaancta	tggaaaaaat	tggaacnaat	ttcattnctt	600
gaacaatntt	aaaattgggg	tattatttac	ctttaacant	ccaacntaaa	ccangaattt	660
cagnaattgg	ntgggnttgg	attaannaaa	cntaacctca	tggttnaaaa	ttaaaaattc	720
ncattanttn	ccttggcctc	naanaaaant	nntnacncan	ataaactccn	ngcccagncc	780
tttccnnngc	cttttn					796

<210> 4779

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (712)

<223> n = A,T,C or G

<400> 4779

cacaagctac	ttgttctttt	tgcaggatcc	catcgattcg	aattcgcggc	cgcggcgcca	60
atgcattggg	cccggtaccc	agcttttgtt	cccttttagt	aggggttaatt	gcgcgcttgg	120
cgtaatcatg	gtcatagctg	tttntgtgt	gaaattgtta	tccgctcaca	attccacaca	180
acatacgagc	cgggagcata	aagtgtnaag	cctggggtgc	ctaattgagt	agctaactca	240
cattaattgc	gttngctca	ctgnccgctt	tccagtcggg	aaacctgtcg	tgccagctgc	300
attaatgaat	cggncaacgc	gcgngagag	gcggtttgcg	tattgggcgc	tnttccgctt	360
tctcgctcac	tgactcantg	cnctcggtcg	ttcggtcng	gcgagcggtg	tcaactnact	420

caaaggcggg	aatacgggta	ttcacagaat	nagggggata	acgcaggaaa	gnacatgtna	480
ncaaaaggcc	ngcaaaaggc	cagnaaccct	gaaaaaggcc	cncgttgctg	gcgccatnna	540
catangcttc	gacccccctga	cagcatnaca	aaantcgacc	ttaagtcnga	ngtggcgaaa	600
cccgncagga	ctattnanat	ccagegtttc	ccctggaact	tcctaggcgc	tttctgtnc	660
acctgcgtta	ccgatcctgt	ccgcttttnc	ttnggaaant	nngttntat	at	712

<210> 4780

<211> 712

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (712)

<223> n = A,T,C or G

<400> 4780

cacaagctac	ttgttctttt	tgcaggatcc	catcgattcg	aattcgcggc	cgcggcgcca	60
atgcattggg	cccgtatccc	agcttttgtt	cccttttagtg	aggggttaatt	gcgcgcttgg	120
cgtaatcatg	gtcatagctg	tttncgtgtg	gaaattgtta	tccgctcaca	attccacaca	180
acatacagagc	cgggagcata	aagtgtnaag	cctgggggtgc	ctaattgagtg	agctaactca	240
cattaattgc	gttgngctca	ctgnccgctt	tccagtcggg	aaacctgtcg	tgccagctgc	300
attaatgaat	cggncaacgc	gcgngagag	gcggtttgcg	tattgggcgc	tnttcgctt	360
tctcgctcac	tgactcantg	cncctcggtcg	ttcggtcng	gcgagcggtg	tcaactnact	420
caaaggcggg	aatacgggta	ttcacagaat	nagggggata	acgcaggaaa	gnacatgtna	480
ncaaaaggcc	ngcaaaaggc	cagnaaccct	gaaaaaggcc	cncgttgctg	gcgccatnna	540
catangcttc	gacccccctga	cagcatnaca	aaantcgacc	ttaagtcnga	ngtggcgaaa	600
cccgncagga	ctattnanat	ccagegtttc	ccctggaact	tcctaggcgc	tttctgtnc	660
acctgcgtta	ccgatcctgt	ccgcttttnc	ttnggaaant	nngttntat	at	712

<210> 4781

<211> 710

<212> DNA

<213> Homo sapiens

<400> 4781

atccagctct	tgtctttgca	ggatccctcg	attcggtgtgc	ctaagggaag	ggaatcagaa	60
ggtggagaga	cttgaagttg	cactcaagga	ggccaaagaa	agagtttcag	attttgaaaa	120
gaaaacaagt	aatcgttctg	agattgaaac	ccagacagag	gggagcacag	agaaagagaa	180
tgatgaagag	aaaggcccg	agactgttgg	aagcgaagtg	gaagcactga	acctccaggt	240
gacatctctg	tttaaggagc	ttcaagaggc	tcatacaaaa	ctcagcgaag	ctgagctaat	300
gaagaagaga	cttcaagaaa	agtgtcaggc	ccttgaaaagg	aaaaattctg	caattccatc	360
agagttgaat	gaaaagcaag	agcttgttta	tactaaca	aaagttagagc	tacaagtggg	420
aagcatgcta	tcagaaatca	aaatggaaca	ggctaaaaca	gaggatgaaa	agtccaaatt	480
aactgtgcta	cagatgacac	acaacaagct	tcttcaagaa	cataataatg	cattgaaaac	540
aattgaggaa	ctaacaagaa	aagagtcaga	aaaagtggac	agggcagtg	tgaaggaaact	600
gagtgaaaaa	ctggaactgg	cagagaaggc	tctggcttcc	aaacagctgc	aaatggatga	660
aatgaagcaa	accattgcc	agcaggaaga	ggcctggaaa	ccatgaccat		710

<210> 4782

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(705)

<223> n = A,T,C or G

<400> 4782

tnctaggtc	ttgttctttt	gcaggatccc	tcgattcgtt	tggtcagttg	caccttctgg	60
gtcactggta	gccgcgggag	ccgggtgggg	cctaggcgat	gatccggcat	taaggagctg	120
ggatcatcct	ccgtctcagg	tggtttgggg	aaagtgtagg	ggcaaccaa	gatcatcggc	180
ttgactaggc	cctttgccct	gaacctcatg	aagaaatgat	aggaggcaga	catatgtgcc	240
taaaaagagc	gttgagctca	gagaagagca	actcggagtt	ttgggggtgt	gctttgattt	300
gtgtacatca	atggcagaat	catccagcga	atcagatcac	ttccgctgtc	gtgaccgatt	360
gagtccatgg	gctgccagat	caacgcacag	gggaactcga	agtcttccta	cagtagaagt	420
taccgagaag	gtcaacacta	taacaagtac	tttacaggat	accagtcgga	acctgcgaca	480
agtggaccag	atgcttggac	gatacccgag	aatacagtaa	tggacaggcg	ggtgccatag	540
aacatgtgag	aaactacatt	tgnttgcatt	tctnctaccc	accttttttg	ggaatgaatg	600
ttttggggaa	tggggctntn	accttaagga	aaaaaccnnt	gngnaatgct	ttaaaatttt	660
aaaactgatt	taatatttta	tagtttaagt	ttaggtanct	tgncn		705

<210> 4783

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(733)

<223> n = A,T,C or G

<400> 4783

tttgaatctg	tctctctttn	aaaccntngg	ctncttgatg	tttntgcgga	tccctcgatt	60
gcgaatnntg	cacgagatgg	tgtttnccct	ggaagctgag	aanaatgggg	ctttaatgga	120
acaaatngct	cangaagctg	tttgtnatgc	agnttattat	ggaaatggcc	aaaaactgta	180
atgtggatcc	aanagggtgt	tttcgtctat	ttttccagaa	ngccnaagca	gaggaagaag	240
gttattttga	agcattcaaa	aatgaacttg	aagctttcaa	gtcaagagta	agactttatt	300
ctcaatcaca	aagttttcaa	cctatgacag	ttcagaatca	tgttcccat	tctggtgttg	360
gatctatagg	tttattagaa	tccttaccac	anaatccaga	ttatcttcag	tattctatca	420
gtacagctct	ctgcagctta	aactcgggtg	tacataaaga	agatgatgaa	cccaaatga	480
tggacactgt	ataatttggg	taagactgct	gangccaagt	gctattttgn	tacaacgaaa	540
ggaagaactt	ggctatttcn	tgacactttt	atgggtgctg	cactttattc	ttgngntngn	600
tttttgatgg	ggagggaaa	agnactgaaa	tgttttcgna	aattttnttt	tanngtgccn	660
gcttaggnnt	ncttggtntn	gactctggtg	tctngaataa	gangagntgn	tcccatatgt	720
ttngnnggna	anc					733

<210> 4784

<211> 709

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(709)

<223> n = A,T,C or G

<400> 4784

tnaattcagc	tcttgttctt	tatgccgata	cctcgattcg	aattcggcac	gaggccaagt	60
atgcagtgtc	aatggctaga	agaatcggag	ccagagtgtg	tgctctccct	gaagaccttg	120
tggaaagtaa	gcccaagatg	gtcatgactg	tgtttgcata	tttgatgggc	aggggaatga	180

agagagtgtgta	aaataaccaa	tctgaataaa	acagccatgc	tcccaggtgc	atgattcgca	240
ggtcagctat	ttccaggtga	agtgccttat	gcttaaggaa	ctcttggcca	ttcaaaggac	300
ttttcatttt	gattaacagg	actagcttat	catgagagcc	ctcaggggaa	aggggtttaag	360
aaaaacaact	cctctttccc	atagtcagag	ttgaatttgt	caggcacgcc	tgaaatgtgc	420
tcatagccaa	aacattttac	tctctcctcc	tagaatgctg	cccttgacat	ttcccattgc	480
tgtatgttat	ttcttgcctc	gttatctttt	gccctcttag	aatgtccctc	tcttgggact	540
tgcttagatg	atgggatatg	aatattatta	gacagtaatt	ttgctttcca	tccagtatgc	600
tagttcttat	tcgagaacta	tggtcagagc	gtatttggat	atgagtatcc	tttgcttatc	660
tttgtagtac	tgaaaatttg	cccgaagtaa	ctggctgtgc	agaatgtat		709

<210> 4785
 <211> 831
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(831)
 <223> n = A,T,C or G

<400> 4785	
gnnngntgnc	cggnctttta
gattcgctga	cctcctcctc
gtgccaaaca	cagccagaga
gcgcggtaca	ccagcgagat
accatgaaca	caacatgact
gccccagggc	cttcatgccca
tacnctntgna	nnaataccan
cantggctna	tacnttgtna
tttgngnacc	aacntnncna
tttaattncg	nntncaacnt
ctnnctntga	ntaaaantnt
aanantant	ncaaattnat
tntntttctt	antnatatta
naacgtctan	anntttttat
	ntcnntaaan
	atttcttttn
	naagntntc
	n
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	831

<210> 4786
 <211> 793
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(793)
 <223> n = A,T,C or G

<400> 4786	
tttnnnngnt	ttannncatt
ttatagtatt	gacgtgaatc
atatagccat	ttaataacat
aagaaatgta	aaacatttag
nacaaactta	cgaatgctta
tgtatactat	gaacaatttg
aaaagggtttt	taacttanag
ttgggaactgt	atctgagtaa
tgacctacat	gggctaatat
	ggatactaaa
	aatactacat
	tgatctaaga
	agaaactagc
	60
	120
	180
	240
	300
	360
	420
	480
	540

cttgtggagt	atatagatgc	ttttcattat	acacacaaaa	atccctgagg	gacattttga	600
ggcatgaata	taaaacattt	ttatttcagt	aacttttccc	cctgtgtaaa	gttactatgg	660
tttgggggta	caacttcatt	ctatagaata	ttaagtggga	agtgggtgaa	ttctactttt	720
tatgggtggg	gtggaccaat	ggctatcaag	agtgacaaat	naagggttaan	ggatgattcc	780
caaaaaaaaa	aaa					793

<210> 4787

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 4787

naatngcnag	gctcntgctc	tntgngcagg	ancccatcga	tnccaattcg	gcacggagggt	60
tatgagtggg	catngtgaaa	atttggntga	atacagcaan	gtagcaagaa	aatnncngnc	120
ntatntacta	caanttaacct	ntatnaactg	nnnngncata	tgacatccaa	atgttntatn	180
atnacctggg	aaanttanta	tagtntanga	tactaaaaca	gtatgnntac	aaaagtgaac	240
tnnctgtgca	nntntcacag	gntttattca	tgtgacacta	tatantgcct	anngtcacnt	300
ntcanccang	ttcntctnna	gtgnaantnn	ntcnagngca	tctngcacag	atgctnnatt	360
gactanagaa	tgaatncnnt	gggcgnnnat	acntggggcta	actgcngnna	tngatcattc	420
tananngcac	tnatgnanat	anccccatan	angccggaca	gacggtanac	atacnannng	480
angcnccaga	tncttttann	atgnatnatt	gagatttnac	cagtctcatg	tgccccgcgt	540
tntgtgttnn	nctnanacan	gcmgattnac	nctgntctag	ncatcttgnc	tnnatcgnga	600
aataatgggt	cctgcctcca	tnataatgtt	taggagngaa	atgnaannan	ttcgcggtggg	660
cntgctngag	tgcnaaaggc	ctttacnngt	tgngancnaa	ntnggggnagc	nagttntcnc	720
cnnatngtac	gctccctcna	ncaatntccg				750

<210> 4788

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (716)

<223> n = A,T,C or G

<400> 4788

tgnnnttttg	nttcnaatgc	nngctcttgt	tctttttgca	ggatcccatc	gattcgcgca	60
aactttttcan	tctctctaaa	gaagatgatg	tccgccagta	tggtgtgaaga	aagcccttaa	120
ataaagaagg	taagaaacct	aggaccaaag	caccaagat	tcagcgtctt	gttactccac	180
gtgtcctgca	gcacaaacgg	cggcgtattg	ctctgaagaa	gcagcgtacc	aagaaaaata	240
aagaagaggc	tgcagaatat	gctaaacttt	tggccaagag	aatgaaggag	gctaaggaga	300
agcgccagga	acaaattgcg	aagagacgca	gactttcctc	tctgcgagct	tctacttcta	360
agtctgaatc	cagtcagaaa	taagattttt	tgagtaacaa	ataaataaga	tcagactctg	420
aaaaaaaaaa	aaaaaagcct	ctagaactat	agtgagtcgt	attacgtaga	tccagacatg	480
ataagataca	ttgatgagtt	tggacaaacc	acaactagaa	tgcagtgaag	aaaatgcttt	540
atttgtgaaa	tttgtgatgc	tattgcttta	tttgtaacca	ttataagctg	caataaacia	600
gttaacaaca	acaattgcat	tcatttttatg	tttcangttc	anggggagggt	gtggggangtt	660
ttttaattcg	nggcgcgcg	ccaatgcatt	gggcccgagc	ccacttttgg	tcnntt	716

<210> 4789

<211> 792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(792)
 <223> n = A,T,C or G

<400> 4789
 gnnnnnnnnnn ttttnaacgc tngctacttg ttctttttgc aggatcccat cgattcgaat 60
 tcggcacgag gagagcttgg gatgtggttaa tgccagccac actcctcaga gccgtggcca 120
 gatctcatca tatattatca aaagcacatc agtgccgaag aatcggtcat ctaatgttaa 180
 aaccacttaa ggaatttgaa aatacaacat gcagcacact gacaatacgt caaagcttgg 240
 atttgttcct tcttgataaa acagctagtg gtttgaataa gtctcagatc ctggaaatga 300
 accaaaaaaa gtcagatacc agcatgctgt ctccattaaa tgcctgctcg tgccaagatg 360
 aaaaggcaca ccttccaacc atgaaatcct ttggtactca caggagagtg acccacaac 420
 caaatctgtt gggttctaaa tggtttataa aaatattaaa gaggcatttc tcatctgtat 480
 caacggaaac atttgtttcca aaacaagact tcccacaggt gaagagacca ctaaaagcat 540
 ccaggaccag acagccatcc aggaccaacc ttccagttct gtctgtgaac gaggacctaa 600
 tgcactgcac agcatttgca acggcagatg agtatcatct gggaaatctg tctcaagatc 660
 tggccttcca cggatatgtt gaagtaacaa gcttgacctg agatgcagca aatattttgg 720
 tgatgggtgt ggaaaattct gcaaaagaag gtgatccctg aacaatattc ttcttcaggg 780
 aaggagctgc tg 792

<210> 4790
 <211> 829
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(829)
 <223> n = A,T,C or G

<400> 4790
 ggtggnggggn ngtantttcta atgctggmct ctngtctnn nncanganca cncnncggga 60
 atnctcanna ncncaccttc nagnccctn tngagttct gatcangna ttacactctt 120
 ttnatggggg cctgcctgta agtgtagaca tgcacactca gctgacctta ctgntcaaaa 180
 gctggagaaa aagaaacagc tttcatacag tgcaaaactgt ctacgtctat gtaaaagaat 240
 ttgagaaaca tggcagtagc cattgctaata taatctgggt atgtgtaaat agtttaactt 300
 gatttttgac tctggngtgc ggatctattt taagatcgat ggagttaatt gcttcatgac 360
 agttcttatg aaacatgctt cnatatntcc ttgtgccaan gtntcgnnta cagatnttnc 420
 naaangaatt nactctgcna aatactgnaa tgacnnntcn ngtgngacnt gttaggcgna 480
 acgatanatt tngagntnt ntctcttttg tatngatttg gnnttangat gcanganncn 540
 nattttcanc cnagngtgnn catnaancct gacganaccn ctantntttt ttaanncttg 600
 tattaancac ctagantgcc cggngnccn aaataactna ngncacant cntntaaaga 660
 acttctgnaa aanntagttn agnccntccn ggccnntaaa ntgggnggat gnannaaaag 720
 ncngaaaacc nntgtancca cccntantg gngcnnctnn nntctattnnn tcnnnccgnt 780
 nntccntac atatcttnc ctnaaatnct ttgggcntca acnaatccg 829

<210> 4791
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(747)
 <223> n = A,T,C or G

<400> 4791
 nggnngttna tcnnctgtnc agctcttggt ntttttgag gatcccatcg attcgaattc 60
 ggcacgagct cagtaaccca attactagtn ctttttgaag agaccaggct gggaattggg 120
 agtaataata atagctgaca ttaccagggt gctaccacaca tgccaagcat catgctaatac 180
 ttgccagggtc cttctgagtc antgtgaatg gcangagcac cacatgttcc tttntcttca 240
 gttcacacac attgagtgtc ttcagtgtga agtaacaaca gagactgagg gcatatgtat 300
 tgngtaaaaa aaaattttgt tactgggaaa atagccatta ctgggaaata gctttgttac 360
 agaaagtcc tcatgtgggt gggcacagtg gctcacgcct ggaatcccag cactttggga 420
 ggccaagggtg ggtgggtcac ctgaagtcn gagtacaaga ccagcctggc caacgtgggtg 480
 aaactccgtc tctactaaaa atacaaaaaa attagctggg cttggtggca tacacctgtg 540
 atcccatcta ctccgggagc tgaggaggga gaattgcttg aaccgggan gcnagcgttg 600
 tagtgcccca aaattgtgcc cttgcattnc agcctaggcn ngagagttag actccgtctc 660
 aaaaaaaaaa aaaagggtgat ttaattaaaa ccagatgaac ccttncatga tcacgtgcta 720
 tgaattaaaa caanatnnna aaaaact 747

<210> 4792
 <211> 860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(860)
 <223> n = A,T,C or G

<400> 4792
 ctncctntnt tntnnnat ttnantntt tanatnantn tntttanttt ggtgtngntc 60
 nttnttctan cctacacnct ctttctctat ctanancnng gggnttnnca aaaatntggc 120
 tcttctatnn tntcngnctc ntctatnata caccantgg cgaatccaca tncaggggggt 180
 ctncaccaa gttccaacct ccaaagtga ngactccgtg gaacagcaag ggnagggtgaa 240
 gaantaataa aagagaaaga aangaanaac ngcanaanaa aangaaaana gaaaagaaag 300
 aactaaagt agaaaaccac caggaaaact caaggaaatca naancctaana aagcgcaaaa 360
 agggacagga ngctnacctt gaggtggtg gggaggaggt ccctgangcc aatggctctg 420
 cagggaanag gagcnngaag aagaancatc tcaaggacag cgccagtgat tgaanangca 480
 cncntnggcg canggaatag gaancnngan gactnngaa tttgaaacac attctannaa 540
 gaaaaagatg aancctccaa nancatnctg anggccngga accanangac natgantgct 600
 tcctgcaaaa gggttaattca actggtaattg gaactatttn aaagcaaatt ctgaaaccan 660
 gnccccaga caatgnaaat naccattcna taaagcctna ggnaaaaaat gttttatgct 720
 ccanttctta ccacaanntg acatnattga gccatnnacc atattccna atgatggaaa 780
 cttccctang tncattcntt ttaacnaaga aaattcaatc cnannaaccc cttaaccttt 840
 naannttatt tanaaggnnn 860

<210> 4793
 <211> 1222
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1222)
 <223> n = A,T,C or G

<400> 4793

gmnntttttt	ccctnaaaaa	atggggccctt	ggggggttttt	cccttaaaaa	ttggnccttt	60
ggggggtttt	cnnaaaatnn	ncctttgggn	tntaannacc	gngnccgttt	tttcgngnna	120
naannngatn	ntctnntn	nctnnnnnnn	annnancnnn	nnntncannt	ctatnncnnc	180
nnnnannann	tatcnnnnna	ctctnntcaa	ttcnnnnnnn	actnnnnntat	nnnnatnnan	240
cnnntgnnn	annnnntnt	catctncn	nantnncnct	atnncnnnat	ctnannctct	300
cntnnnnata	nacctgncat	aanactnnnn	nncatagtcn	cttnacanct	tnttatancn	360
ctnatcacn	atctnttcta	antctantnn	atnatana	tccatcatna	ttnnntactt	420
ncanaccccn	ctnnccctac	nctnanncnt	cactcccnnc	cnnatctntc	tctnctatnn	480
natcantntn	nnccancca	ctnnnacnnn	ntactantct	accnnncttn	natctcnatn	540
natcatancc	atnctctcnc	nccacnnttc	nctnttaac	nnntntatnt	caatanaatn	600
nnctnanena	ttacntcnc	tcnctcttc	attttnttta	tctnctcatt	aannnnnct	660
ccnnctcan	ntnccntnt	nntactcnc	natcccntaa	ntnctccnca	atcatactca	720
tctctccat	anatactcan	atcctatacn	nactatcanc	tanntcttcn	antatatnt	780
tcatntttac	natccctctc	tccntcannt	ntnaanacnn	cnanntacnc	ttanatctat	840
ntntanatac	antcnnntnn	ncncaatntc	anatnttcta	tcatnctnt	aannatcctn	900
nnntnnnta	taatectanc	nanccacann	nnctccnnta	tntnnnnaca	catntatacn	960
cnactnannt	tctcnnctct	natnacatan	cccacnctnt	ncatacante	ntcncatntc	1020
ntnnntnta	ttnttcanc	antaacatan	tnanantcgt	actnnnnann	cancactncc	1080
ctcnttatat	tcactnatct	ntacatacca	tctannnnann	nacnnttcac	nnatnctct	1140
ncttnaatta	canncacnct	cnntcatann	tcgnntatat	atcactctnt	ncnanatcca	1200
ctntntctnt	nntctcnc	cg				1222

<210> 4794

<211> 1068

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1068)

<223> n = A,T,C or G

<400> 4794

ggngcctttt	aaaatacccn	gnntnmanac	gcntngttac	acncnctagc	ttaaaagggg	60
gnggaaccct	atggntgcat	tgactgtggc	aaggccctna	gccnagaagt	tttgccctgt	120
agcacatcag	ggtatatcat	acagggaaag	actnccttng	tatgtccnga	angngggcaa	180
ccctgntcac	agaagtcagg	actcattaga	catcangaaa	atnactcag	gagagaaacc	240
ctatnaatgc	anngactgtg	ggaaagcctt	ncttncaaa	acaangctca	ntgtcannac	300
agaacnnaca	cgggagagag	accctatgnc	tgngatgagt	gtgagaaagc	tnncttctat	360
atgtcntgcc	nttgtaa	atnagcagaa	tacactcann	ggaagaaacn	cnnggngatt	420
cannngaang	nggaaatntc	ctgaccacan	ncanggtncn	tntcnnnnag	ttcctaanta	480
gaacaatggg	gcnnngngg	tanaaaggcc	cctgntagna	natannntna	anaccttggg	540
nggcnnnnat	ggatnnggnc	nngtggggtn	aatactgatg	tgnatntctc	nggntnancg	600
accantatnt	tngcatntnt	tectattggn	agnaatacct	actntntaat	ntcnnnatnt	660
nctgcgggan	ntannntnt	ttagcatctn	ctatccataa	nnnncnaaat	ngatcatcat	720
atnntcnatg	nnctcatctn	gtctnacact	nttgggtngc	catctgctnn	agacatnnna	780
ctntaanctn	taaattnatc	gctnantann	acccanngtg	ntnaccagen	gtnacnnncn	840
gctnctcngt	nnngtatant	ntcacnatca	tantcantga	atntanngan	acngcatct	900
tntnannctg	cctcnnactc	tatcanaatn	aagtncncg	aggnactcan	antnactntc	960
nnntnnctcn	canaatgtat	catnnnctcn	nnanantatt	ttgantgcan	atcatngnan	1020
acntatgaan	ccnaatcatg	tntattncna	nngcnttact	tntnancg		1068

<210> 4795

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(816)

<223> n = A,T,C or G

<400> 4795

tttctaaatn	gcttgggttt	cnaaatccct	tggttgacgc	cctcgccctaa	nntggcgtgn	60
nantgccnc	gattoctgn	caagtctgga	antcatattg	gagcctgngt	ngactgaaaa	120
ctcagcanga	gttgatgta	aagtcttggg	tctgaaattn	gtngggcagg	agattaggct	180
ggaaactcag	gcagaatttc	tgtgttataa	tcttgaggca	taattcttct	ccaaaaaat	240
ctccattttt	ttctcttaaa	gccttggatg	agccttggat	gattggatga	ggactaccca	300
cattatctag	ggtaatctcc	tttgcttaaa	gtaaaactcac	tgtgttaatc	acatcaacaa	360
aataccttca	cagctacatg	tagtgtttga	ccaaacaact	aggcaccata	gcctagccac	420
ataaaattac	tatcattata	ctttgtctta	tcacatactt	ctaccttggg	agggatattt	480
cccagttggt	atagctacaa	aacagaggca	gatcatttag	cctgcattng	attngtantg	540
aaaaataagc	ctttggtgng	tttaaccact	gaaaatgttt	gcggcctatt	agtantngca	600
caacttatcc	tatnctggcc	aaacatagaa	tgctttcggt	ttgcaaggta	acangatccc	660
ctttacagnt	gtacnaaaaa	tnancnntaa	aaaaactnga	gccctntaga	acntnntagt	720
ggagtcggan	ttaacgttng	ancccgacc	ntggattang	gatncattgg	atggagtttg	780
gacataccac	cancttgga	tggcnantga	aaaaaa			816

<210> 4796

<211> 1094

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1094)

<223> n = A,T,C or G

<400> 4796

cnnncaana	cnnnnnnnaa	nnnanaacaa	cgggggcgnc	ncnanttcaa	anctggnaaa	60
cnnntccnc	acagncnacy	aacgaaangg	cacnagcnng	cnaggaaacc	gccncngcnc	120
agcaaccgaa	ggccaggnaa	ttttnaanat	cgngngggga	ggacagnngg	ggncaatatg	180
ggcggggnan	nncttcaaac	angnaaacn	tnccnngngg	cgggggganac	cncggncacc	240
atggannaan	tncnacaana	ccgnggggaa	gacnggntat	gcaggcnccg	ccataaancc	300
ccccctacta	aggcnncang	gancaccaac	agntggnggc	cancaaaaagc	ntntaanaac	360
aanacctnac	aanntcnnc	ncnntttngc	ntatcccacc	acngggganac	angncaacgg	420
tggacnctcn	aacaannaaa	atnngaaaaa	caaatctccc	caanaatngg	ggggngaacc	480
anngnnangn	nanctnnaac	canaccgtcn	tgnaacnngc	nccaatacaa	ngggngnngn	540
gnngncanaa	cangcnngn	accngcacgn	aaggngngng	gcnnngnatca	cancaaacag	600
acaatatcca	cggcgnaacc	cnnncacn	ntnaacggga	cccngagtac	acacangcac	660
gaangcccn	ccngnccac	nccctgnaa	ncgagaaaac	naangccngg	atacaaaaaa	720
cccnaacca	gccggnctn	ncccccaac	ngannaaag	naacanaccn	cacannngcc	780
nmgacaaan	cncnacaana	nngggnaaac	aaacnctatg	gganatcccc	ctanggnang	840
cngaccggn	aaacgganna	ncacaancta	aacaancngt	ncacgccaaa	aaaaacngcc	900
caagggccca	tcacngaang	gaaaacncna	nacggnnann	anagnncn	taannaaann	960
ccnncnng	nncaatcncc	cattcgaaaa	ncnncnctn	ccgcnaannn	ggaanacnnt	1020
caaaaccccc	cgannncgac	nntatncagn	aacannaaan	ntggtgtnac	cnncccnnc	1080
ctaananatc	nncc					1094

<210> 4797

<211> 930

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(930)
<223> n = A,T,C or G

<400> 4797

ttttgctaac	cgctggmcta	ctcgntctct	nngcaggatc	ccatcgattc	gaattcggca	60
cgaggtggag	agcgcccagt	ttccagagta	tgatgacctc	tactgcaagt	actgctttgt	120
gtacggccag	gactgggccc	ccacagcggg	tctggaggag	gggatctcac	agatcacatc	180
caagagccaa	gatgtgcggc	aagcactggg	gtggaacttc	cccattgatg	tcacctttaa	240
aagcaccaac	ccctacggct	ggccacagat	cgtgctcagc	gtgtatggac	cagatgtgtt	300
cggaacgat	gtggttcgag	gctatggggc	cgtgcacgtg	cccttctcac	ctggccggca	360
caaaaggacc	atccccatgt	ttgtccana	atctacgtct	aaactgcaga	agtttacaag	420
ctggttcatg	gggcggnngc	ccgagtacac	agaccccaag	gtggtggctc	anggtgaagg	480
cccgnnaang	gtgtgtttgn	ggcccaaccn	acnccaatag	ctggngggca	acacagaata	540
gntnctgtat	aataatagtc	tcattttcan	agaaanant	tnntattccn	ctcttnnttc	600
ctaatacnca	ntncttatta	ntntntaccn	tcnnnnnncc	ncctcatttn	cncnttttca	660
ttttatcmtt	atcttatnnn	nntcnancct	actnntatta	ctcctnncc	nnantctcta	720
tnctatcnac	cttntaatac	ctncttante	tanacttcnc	nctctntacc	ntctctctca	780
tnctntnnct	actctctccc	tctcttctnc	tccatattat	tcttctctnn	nantctntct	840
tntntctnct	tattancntn	cctntctntn	tctactatat	catcatntnc	tntcnancntn	900
anntntctat	ctcntacnta	ctcanacaac				930

<210> 4798
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G

<400> 4798

aaaaagncag	gcnacntgna	gacanaagan	cccanngaag	aancncagga	aaagcccacn	60
ccgaaggggn	anacggacga	gccnaggcaa	aggncannaa	gaacagngat	ttacanacga	120
tntgccnga	ancncnnggg	gngaaancag	nggcngggcc	accagnaaag	aaacnagnnc	180
gcccaggncn	nngangnana	cnanaaacgn	aaganganga	gnnagggggg	aancangaca	240
ggagaggcaa	aannaaaagn	nanananagn	ggcnagnccg	acngaagaaa	naaacaaggg	300
gngaagnaca	ngaacnaaga	aanagcaaag	anaacnnaaa	gngaacaann	ccagcgccna	360
gcannanccn	aggangcaca	naaaacagca	ccaagaagac	ngnannagca	ngagagnnga	420
agagangggc	cncacgggga	cacacnaggc	aaacgcgana	agcagnacng	gncnaggngn	480
cgcgagnan	aagagacnca	aggggangag	agcanaaggg	aacgggnngc	aggaagaaga	540
caangnaacn	caggaacgaa	aaagggannc	agaaagccgg	agaanaacac	gnggaganag	600
naccaaaggc	naanaaggng	acaangggca	agagacanan	accangnngg	acnnaagang	660
cnacannagg	naaaacanna	gangaaanag	gggaacanga	angnaaaagn	gaaannnggg	720
ggaaaaganc	aaacnaaaca	gaaaacgggn	nnggaaaaan	nacaanngaa	naacangngg	780
ncaannggaa	mnaaagggga	n				801

<210> 4799
<211> 813
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (813)
 <223> n = A,T,C or G

<400> 4799

gnnnnttttna	annncggttg	tttcnatgta	ncatttacna	gntctttttg	caggatccca	60
tcgategcag	gtccacagcc	gaggtcganc	ancggcacag	cgaggtcggc	agcggcncag	120
cgaggtcggc	agttggcaca	gcgaggtcgg	cagcggcagc	gaaggtcggc	agcggcncan	180
cgaggtcggc	aancggcagc	naaggtcggc	agcgggcccc	cgctgtgctc	ttccgcggac	240
tctgaatcat	ggcnaaccac	nggccacgat	ggcgacctcg	gctcggcgcg	aaagcggctg	300
ctcaaaanag	gaagacatga	ctaaaagtgg	aattcgagac	cagctaagaa	gtggatgtga	360
ccccacggt	cgacaccatg	ggcctgcggg	aggacctgct	gcnggcacat	acgcttacgg	420
ttttgaaaaa	ccatcagcaa	tccagcaacg	agcaatcaag	cagatcatca	aanggagaga	480
tgtcatcgca	cagtctcagt	ccggccagga	aaaacagcca	ccttcagtat	ctcagtcctn	540
cantgttttg	gatattcaag	ttcgtgaaac	tcaagctttg	atcttggtc	cacaagaaan	600
ttggctgtgc	cagatncata	aggggcttct	tgcttntcgg	tgactacatg	aatgtccant	660
gccatgcctg	cattggangg	acccaatttt	tggccaagga	catcanggaa	cctgggttta	720
cggacaacat	gttttcncgg	gcacttccaa	ggcctgtgtt	ttganatnat	ccttncaaaa	780
aaccctaang	gacacctgct	nttnaaaaat	ttg			813

<210> 4800
 <211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (776)
 <223> n = A,T,C or G

<400> 4800

ttnaatnctt	ggcttttcan	aatngctgga	ngactngttc	tttntgnang	accgcacgag	60
cacgaatnctg	gcacgaggtc	actntgnaac	ccagactggg	agtgcancgg	tgtggncata	120
gggnnctgng	cctggnanng	tntgntcgag	ntgtnatcnc	nantttgntt	ttgggtctgt	180
agcttaanna	tgengannna	ngatgcnnnn	anngtntntg	tnaganatgg	ggtntancna	240
gtttnnncna	ncngnnttca	attncatggg	ctcaantgaa	ccnctgcnnt	ggncnctna	300
ntatnnggga	ctnncagaca	tnggnnanna	gtnctgggtg	canatctcaa	tattanaggt	360
aatatgnnat	agtgatatcn	atgacngtac	catttgnttc	aaaatgtgaa	aganataccg	420
ctgaagttan	tatgtnctnc	cttccaantc	nagccgccat	ntcnntcnac	tcngcnanta	480
tgteactca	naatgaatga	tngacatttn	ngntantncn	gcacccatc	nagtgtatt	540
atnnctanan	atntcnataa	ttnnctngnc	cctnnancct	acanncntng	tcgnatgtnt	600
atccnncttn	ntggancctt	gaaannttcg	atagggggaa	cntgatnagn	gcagtntnac	660
anaatgnttg	cnantntna	ntcggaaaana	tcnaattngg	gnagctgnta	aacancnngg	720
gntaccttt	ntaatgtncn	ngggtntnta	antcaaccng	gntncngaaa	aanaac	776

<210> 4801
 <211> 720
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (720)
 <223> n = A,T,C or G

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<400> 4801
tnnnnnntttt naantcaatn ctggctctcg ttctttntgc aggatccctc gattcgaatt      60
cggcacgaga tggcagttgc ttttgaagta tatgatgact tcctccacta caaaaagggg      120
atctaccacc aacttggtct aagagaccct ttcaaccctt ttgagctgac taatcatgct      180
gttctgcttg tgggctatgg cactgactca gcctctggga tggattactg gattgttaaa      240
aacagctggg gcaccggctg ggggtgagaat ggctacttcc ggatccgcag aggaactgat      300
gagtgtgcaa ttgagagcat agcagtggca gccacaccaa ttcctaaatt gtaggggatg      360
ccttccagta tttcataatg atctgcatca gttgtaaagg ggaattggta tattcacaga      420
ctgtagactt tcagcagcaa tctcagaagc ttacaaatag atttccatga agatatttgt      480
cttcagaatt aaaactgccc ttaattttta tatacctttc aatcggccac tggccatttt      540
tttctaagta ttcaattaaag tgggaatttt ctggaagatg gtcagctatg aagtaataga      600
gtttgcttaa tcatttgtaa ttcaaactg ctatatTTTT taaaatcaat gtgaaaacat      660
agacttattt ttaaaattgt ccaatcacaa gaaaataatg gcaataatta tcaaaacttt      720

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<210> 4802

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1117)

<223> n = A,T,C or G

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<400> 4802
atnnnnnnnn nancncatnt nctantcctn acnantnnnc ttncnctnn nntnntnctn      60
ananttggna tntagnggna ttcnaatncc cagctntngn nctntttgca ggatcccatc      120
gattcgaatn nggcacgagg aggaattcag ctatcagctc tcttcatgag tggagtagac      180
atggccttgt ttgcaaatga ngnntgcnga caaaccaatc ccctgggaac actgttgctc      240
ttggatgtat tttgatggga agctcttcca atccaaactc ctcaaagcca gccgggaaaa      300
gacccactc attgacctct gtgatggta agctgatcag gctgccaagg tagagaagat      360
gcnccatanc gtcctcnaaa gggctcagct tctncaggca nagccacann cttncctttt      420
ccgncgtcac ctgcncgtct cttttacccc tgtctntgnn tacccecntn nactttttan      480
nccnnntncc aaccctnttt aatggcncnn ngncantaat gctnttttnc ttncnnttct      540
nttngnctt nntctectan gnccectc attatngcgn naaanncacn gactatnttn      600
ntctnatggg cntcccttta accnccnctg nncacactnc tcnntcntan tntnnatntn      660
tctncnatnn tanncnctc aatatcntcn ccacacnnt atctatectc nngtncctnt      720
ctnnctnant tnnnatcana ttttctattt mncnactcat ntctctacna tcntantnta      780
tnnntatcaa tctcananta nactantatn tcantntnct acannatata atatnctctt      840
ttnatntntn tnnnatcat ntanatnatc tntcntnnat anctacatct ctctntctnn      900
ncatntcatn tagatacann tanatntagn taattatann ncttnttctt anttncnnnn      960
nttcnctnt catcctctn nnncgtaann ctctcnnctc attcnattca tacttcnnat      1020
tgatnatnca ntannccatc ataatntcac ntccctcata ncttnttctn caanntatnn      1080
anattctcna tatttcttta tctatananc nttgcn                                1117

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<210> 4803

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (781)

<223> n = A,T,C or G

<400> 4803

ttcaaatngn	aggctctngt	tctttttgca	ggatcccatc	gattcgggag	antcccatnt	60
ctnntgctg	acgagggacc	tgctttggtg	agtnccggaa	ggcccaggga	gtngnggcat	120
gcnggctnct	nattcactat	ggggnttcgc	cntggacacg	tantcaantg	cgcatgctgc	180
tgcccatgtn	tncctgcccc	acttcaccca	nttgggggct	gctcaagggt	ngnnnggcnt	240
cngtggtgg	aggccagtat	ttanacaagg	ctctgtacat	gacacncaac	tgtgctnana	300
gtnccttcnc	tcngactaca	ccnatgnttt	nacagtnccc	tnntgnnnnn	tcntnttact	360
acagtgcnan	aaccnnaatg	ancntttntt	tectgctnna	tgccnncnnn	antnnngac	420
nttntgttaa	tgtaacnaa	gtgtgtacac	tttaaanc	catattgtat	ggtnctctgt	480
annatnangt	gccngaacat	gnacatttcg	atanccanag	attagattan	nggtnttcat	540
anggtcgggg	gaannggcat	anccttagtga	ttggtaatga	tntgggattt	nttttgggaa	600
tgaatgaaaa	tattctaaaa	ttngttgggn	nnttatccna	attctacgaa	atattnttaa	660
aaaaccacn	tgaatttgnc	tactttaagn	agagtgaat	ttnatgtcct	tgttcctcna	720
attaagcttg	ngnaaaaaga	tcgtaaaanc	nngatnnnaa	ntttctntna	nntngnnctn	780
t						781

<210> 4804

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 4804

aagctcttgt	tctttttgca	ggatcccatc	gattcgaatt	cggcacgaga	aggctgagac	60
anganaatgn	cntnaatngn	ngaggcagag	cttgcatcgn	nttcgagatc	acnccactgn	120
actncaaccn	gngagacana	ntnngactcc	ntctnatacn	atgngaacc	taaaatatgg	180
gntttntgca	cattccagat	ctcaanancn	tgattcta	tgaaagatgg	caatatncca	240
tcagaccagg	tnttntctag	ntccntntta	cgaatgtcc	acaaatggca	ggatcttcag	300
antcctagtn	actgctantg	ntcnaggaa	tntttntnng	gngactanna	tgtntctaaan	360
ctnantggag	gtgatggtnn	aacnantngg	tactnccact	aagaatcatt	nnatngnnac	420
tctatntggg	canatantat	ngcnaatgta	ccttaatnan	atcatgcttn	aangtcaatt	480
aatccactca	tgaanttnan	cctctananc	tnnagtgan	ngtattacgn	ncatnccnac	540
ttgntnagat	ccttggatga	ntatcggact	aaccntnat	cttatgcagn	ntacaaaaat	600
gccttttnna	gggnaaatnt	gcgatgctat	ntgcnttatc	cmtaaccatt	tgtacnntcc	660
catttaacag	ggttaccnnc	catccaattg	gcaatngatt	ttatggnttc	ntgggttnncn	720
ggggttngat	ttnggaangt	ttnttantt	tcc			753

<210> 4805

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (740)

<223> n = A,T,C or G

<400> 4805

agggnnnnnt	tttnagatac	agctacttgt	tctttttgca	ggatcccatc	gattcgaatt	60
cggcacgagg	tttgatcatn	ggncaaggtn	ctggngagaa	ctgcctntgn	ggntagctga	120
ttnnnggggc	cttcatatga	acganctggn	tggagcactc	acaggactca	cccgggtacn	180
aagattccaa	cangatgatg	ctnacatatt	ctgtgccatg	gancagattg	aagatgaaat	240
aaaagggtgn	tnggattttt	tacntacggg	tatagcgtat	tnggatnttc	ttttaaacta	300

aacctttnta	ctcncccgga	aaaattcctt	ggagatatng	aagnatggga	tcaagctgag	360
aaacaacttg	aaaacagtct	gaatgaattn	ggtgaaaagt	ggganttaaa	ctctggagat	420
gganctttct	atggcccaaa	gattgacata	canattaaag	atgcaattgg	gcggnaccac	480
cagtgtgcaa	ccatccagct	ggatttccag	tngcccatta	natttaaatct	tacttatgta	540
agccatgatg	gtgatgatna	gaaaaggcca	gtgattgttc	attgagccat	cttgggatca	600
gtggnaagaa	tgattgctat	gctnacanga	aaactattgg	nggcaaattg	gccttttngc	660
tgtccctttg	ncaggtaatg	gtagttccag	tnggacccaa	ctgtgatgaa	tttcccaaaa	720
ngacnacacc	attnacgat					740

<210> 4806

<211> 824

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (824)

<223> n = A,T,C or G

<400> 4806

gncnctttca	acttcgcccc	ttttnaaacc	cgttgttcaa	atcctcgttt	caancccntc	60
tgcaggatcc	catcgattcg	aancngcacg	agggggnnnn	ncgtggcnna	ttgcgngcag	120
tacccttcna	gcncngngna	aagtgcagnc	anncgtaaca	catgcggcan	acngcannga	180
gcanaatgnt	aatgnccact	tcttgantca	tnccagaact	cccttaagcc	cacaagtttg	240
tnnngngnna	ggtcaantct	aggaacncng	ccgngnaacn	ggtntctcaa	tnnagncatc	300
cttanttnct	gcatanacan	gagngttctt	aaaacnctc	cngtaaagca	agncatntct	360
ganntncctg	aggatcattg	ctcccgnata	cngntgntgg	ggtgagcctt	caggagang	420
ggaacagaat	nnngtactag	ggtcganagt	caananacta	aggcncttna	ncaacatctc	480
agagcanann	atttgnggag	cccntggaac	gntactgggn	aatttantca	gtgngcattt	540
ntnaagactg	ggnccagggg	tggantnate	tnntggcgan	gggnncntag	ngcctcanca	600
caacactgng	cnagcccngg	acttagnaaa	cccctgcana	aactggnnna	annggcctnt	660
taaaantncc	ccanangtnn	accccnnaag	aagcncggna	agcccccnaaa	ctnccaaacc	720
aaccnctntc	tttctctnnc	naantnnaca	ncntgggggt	ntgcnttggt	nnnaaatngn	780
nccnanaant	gcaccagntc	nacnntagtc	nnggggnacg	gnnc		824

<210> 4807

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (745)

<223> n = A,T,C or G

<400> 4807

tntagatata	gctcttggtc	tttttgcagg	atccctcgat	togaattcgg	cacgagattc	60
ctttcatggt	acagtattta	ccccagtc	tgattaaata	tctgtttata	tatttcttta	120
ttggattatt	tgtttatttt	tctctctcta	gactgcaagc	tccttgagca	gaccatgttt	180
attttgtcta	ccacaggtgc	tcaataaata	tttttgacta	tttattacat	gagaaggttt	240
ccatgcaaac	accatttgaa	tacgattgaa	cttgaaccct	aagagatggg	ctgtgacctt	300
tgttgccctc	aaactaatca	aaggggagtg	atattcacca	tccagaatct	agaataactt	360
anaccttggt	ggccaggagc	tagctaccca	tatgataata	caagagctct	cagagaaatc	420
atggaagttt	tgagcaatct	ctctctccct	ttgctaattt	acttttcaaa	actgaagtat	480
aatgggaata	acttcccac	ctctcaaatg	tcagcatgct	ctgaaatttc	atgttctctc	540
aggcgagccg	attcatgttt	tccattccac	cctcttctac	tgggctctct	atgcccttcc	600

tacagtctcg	ntntnttttac	cctgggcoct	tttncctttg	gggctcttga	ttgaaaaaat	660
tgctgaactg	tagctttngg	aagtttaanc	ttttgagaac	ccgtagantg	atttcagttc	720
ttaggaaaaa	taaaancccg	ttgnn				745

<210> 4808

<211> 713

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (713)

<223> n = A,T,C or G

<400> 4808

tnnnncttna	aatnganagc	tacttgttct	ttttgcagga	tcccatcgat	tcgcttttta	60
acaatctggg	gctgtgttgc	ttctatgccc	agcagtatga	tatgactctg	acctcatttg	120
aacgtgccct	ttctttggct	gaaaatgaag	aagaggcagc	tgatgtctgg	tacaacttgg	180
gacatgtagc	tgtggagata	caaatttggc	ccatcagtgc	ttcaggctgg	ctctgggtcaa	240
caacaacaac	cacgccgagg	cctacaacaa	cctggctgtg	ctggagatgc	ggaagggcca	300
cgttgaacag	gcaagggcac	tattacaaac	tgcatcatca	ttagcacccc	atatgtatga	360
accgcatttt	aatttttgcaa	caatctctga	taagattgga	gatctgcaga	gaagctatgt	420
tgctgcgcag	aagtctgaag	cagcatttcc	agaccatgtg	gacacacaac	atttaattaa	480
acaattaagg	cagcattttg	ctatgtctctg	attgttcctt	agaccacata	tgttcttatg	540
aagcagcatt	atgcaagggg	aaaaaagcac	tatgtctgtg	tatgtatgta	tatagtgtaa	600
tacgtatatt	ttaacaaacc	tgctcttgat	attaagttaa	ngtgacacat	aagggtgaca	660
cagaatgtgt	aatgcaaatt	tcatagtaat	agtaacttta	taaaataata	tta	713

<210> 4809

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (765)

<223> n = A,T,C or G

<400> 4809

gnnggnnnnn	nnnttgcnaa	tgctaggcta	cttgttcttt	ttgcaggatc	ccatcgattc	60
gaattcggca	cgaggtggag	ctcacctatt	tggaatatgg	ggcatttggt	ttttccactg	120
caatgatttc	agtctggttt	catcatgttg	gaattcgatc	acaccatttt	caaacaatgt	180
taacatagtc	cagcttttgt	ttttctcacc	tcttctgaga	ggagactcac	tgtttctgtc	240
tgaggaagct	cataccctcg	gcaaaacatc	aggacaaata	aagagaaatg	ggggtacgca	300
ttcccaacag	aagcagtgtg	ttatttgttt	taaaactctg	aacagagatc	ttggaaatct	360
ttcaaaaaga	ccattgaatt	cttcattggc	tgagaacgac	gttttaaaat	gtcttaaata	420
aggctttgtt	tgcatgtttt	gagttcaagg	ggccttatta	ttgaatggaa	ttgcacaagc	480
ctttctttgt	gcaatcaaac	cattgntatt	ggtagttctg	taaaggaaac	tgtggaatcg	540
aattggcagt	ggagtcataa	atctattttac	tgagtgtggc	ttccaagaaa	atgttgcaat	600
tcaaaatgcc	taaagtctgt	gatttattnng	gagatttggg	agattcttaa	ataatatatt	660
ttaaaaaact	tccatgccaa	cnttcttggg	ttaaatgggt	tggcaacctn	ccccttgatn	720
aaaaaaatta	aaaccaggcc	caaatgggtnc	tcaaatttaa	aatct		765

<210> 4810

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(800)

<223> n = A,T,C or G

<400> 4810

aananggccn	ggcnnccnng	nnnngccnnc	gnaagccctt	tgnangnaac	ccctctggga	60
angccccc	cgcgccganc	cngcgccgng	gnacncggca	cngggcgagac	nanacnanag	120
gttgacgngc	cnthtttcgan	caggngacgc	acnacncngg	cngggggganc	cccangccgg	180
gcagnnccgc	cgggggcccg	gccacgaaga	acgcgggccn	ggcgccncg	accnngccg	240
cagataccan	caacgggcag	ggggcgnnct	nnngggccag	caagaagggc	gaaaangagg	300
ccgacggntg	ccnggcgcgg	caccacgant	ggcaccnng	ancggggaca	cgcgagagag	360
cangtggggg	ccgcgacaca	ggggagacgg	cggagccgng	ggacangggg	ngagaaccac	420
agnccnncag	cncgccagcg	ccgnaacag	ggcnggnctc	cangcccgna	ggcnnccgacn	480
cnggcaaaac	ngcnggccna	ccggnccca	cantgaaaga	cnggaggaga	acgggganng	540
aangacnngg	ngcangaggg	ntgagnnggc	caacangngg	cnaacaaang	nnccacnacg	600
cccngngnga	nggcagngnc	agcgngggag	aaggaggacc	ncaaaggcga	cgnggcaggg	660
acgcacnngg	naaaaccccc	aanaggcang	gaggggacnn	ggcgnaaggg	ccggggagggn	720
nnagnaaggg	ggcccggngg	ccngggcccc	nngnaccnnc	aaggccnncn	nggggggggca	780
aananngcc	nnnngaacna					800

<210> 4811

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 4811

ngttgatcaa	gctcttggtc	tttttgccag	atcccatcga	ttcgaattcg	gcacgagcac	60
agaccagaa	cctgctatgc	ggaacaaggc	tgatcagcaa	cttgtggaaa	tagacaaaaa	120
atatgctgga	ttcattcata	tgaagcagc	ggctggtatg	aagatgtctt	accagggtaca	180
acaggcaatc	aacacatgcc	taaaagatcc	tgtaaggggt	ttcagacaag	acgagtcctc	240
tagcgctttg	tgttcacacc	tttactccat	gatccgtgga	aaccgccaac	acagacgagc	300
ctttcttatt	tctttactca	acctctttga	tgacacagca	aaaacagacg	tgactatgct	360
cttgatata	gcagacaatc	tagcctgttt	tccataccag	acacaggaag	agccgttggt	420
tataatgcat	catatagaca	ttacactctc	agtttctggt	agtaacctac	tgagtcatt	480
caaggagtct	atggtaaagg	acaaaaggaa	agagagaaaa	tcatcaccta	gtaaggaaaa	540
tgagtcaagc	gacagtgaag	aagaagtttc	caggcctcgg	aagtcacgga	aacgtgtaga	600
ttcagattca	gattcagatt	cagaagacga	tataaattca	gtgatgaaat	gttgccagaa	660
aattcagctc	ctttaatcga	atttgcaaat	gtgtccaagg	tattttatta	cttctcatgt	720
taaaacaaca	tttgaagaat	c				741

<210> 4812

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(817)

<223> n = A,T,C or G

<400> 4812

aaatntacag	tttcnngacc	nttgggcagg	catcccatcg	attcgaatnc	ggcacgnagg	60
atntactggc	cnattggaat	cnnaaacctg	anttagaaag	gctcaacgag	ancanctnt	120
cagggtgct	aaggaagcaa	aaaaggctaa	gcaagcatct	aaaaagactg	caatggctgc	180
tgctaaggca	cctacaaagg	cagcacctac	ncaaaanatt	gtgaagcctg	tgaagtttc	240
aggntcaat	gtntactcan	gatggaatga	tnnangcatc	tggtcacgn	tgaagggtc	300
gcntnacna	tnacactgtc	gtcctgcanc	acannncag	catgnntgtn	ctntgcttca	360
aagntgana	anctcttcat	ntcnattgtn	ntnacacnct	gcntgacctn	gccctctnat	420
acnacntggt	tetaacecgn	acntnttccn	tctatnntnt	tntcctngcn	aangnncata	480
tgngccnagn	cngcncngc	ctcacatctc	gtgctcntgg	cnncttntgc	tgctgaaac	540
tcccttgnet	tacgtntgtc	tcntngggta	ngccctntcn	ctntttcnag	acttggnctn	600
aangtgtaca	acatntantg	tnnangcctt	tctnnaggat	canctaantg	nntggacacn	660
attantaagn	cttntctnta	antacttnnn	attcaattng	ctccttcata	cattcntgnt	720
aaattgttcc	ctanctggnn	nagcaattan	atngcatnt	tantagtnnn	gnntcccntn	780
tntgnttaat	gcctcnctta	tngggcggtg	nggggtcg			817

<210> 4813

<211> 1359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1359)

<223> n = A,T,C or G

<400> 4813

ttngnnaaaa	ntcnnectana	atcnactttn	tggnnatact	tcggctcntat	anctaganga	60
naaggggnat	ccccantcn	gnatctcggn	acntnntang	ctaatacatna	gctatnnnat	120
tnnttacnca	tnnattctac	tanntntcat	ntataataac	nncctaaatn	antcnaaata	180
nnaagnntnc	tnngganat	antctnnnna	tnntngantc	nannnnannt	atntcaatta	240
ncnccataac	taanatanta	tntatntnna	tnttantnt	actantnnat	annacttann	300
nantactnnn	natacnanna	tatannanan	acnacnnnt	tntntntnt	tctntaaatc	360
aannnnntc	ntatattact	ttncnnattn	tnnatnatnn	tnnatnnnat	ananncnnt	420
tattntcnnn	natattcnnt	atttnnanna	taatcnctaa	tcaaatanna	tnataacnnn	480
cctatcatac	aataagnaat	acnantcctn	nnnnncnnnc	tanctatctt	nnttcnnnt	540
natannnttt	ntgatnnn	atcantntna	atacctntat	actnatatnt	tatcatntnn	600
annntnannn	caantatatt	natnanaenc	aaactactcn	actntntcna	ntaancaaaa	660
nanntantcc	atatntctnc	annncntga	ntattanana	gatctntnac	tntatancca	720
nannnnattg	nncanatana	tatcantact	acataaant	ctacnnntnac	tnntaactna	780
naannnnact	atnactcgat	tntctatnca	cttatnnan	nactactacn	cataacanca	840
gtntntegcn	tacntatanc	gagtnatctn	nttttaaant	tatatnacat	actcnanaat	900
ancnatcnat	nattactana	catatnatca	actatatang	tnnagtanaa	atcatctttt	960
naattntntaa	ctaacagnnt	atnaactana	tgnatatnaa	tacatanant	atncaaactc	1020
ntnnctcaca	ncgttataaa	ataacntat	aanattgntn	tatacagnan	atacttatna	1080
acttngnatt	ntatatntcn	cntctaanna	taccattata	atgcnatnac	actatntaat	1140
actatanang	ctanategtn	nnatgnntct	cncncttatn	tacnactgcg	antcannnnc	1200
ntnttategn	tctcatneca	ttntaccnan	catanatata	cccatattat	antantntgt	1260
nannctntat	atatntatat	natactnann	ttngnnatnt	catatntnan	tctcncagat	1320
nnnacanntn	tnatantatn	aatgcctata	ntacatnecg			1359

<210> 4814

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (858)

<223> n = A,T,C or G

<400> 4814

cttgaattcc	cctaataaaa	ccgtttggna	agcccnatnn	ctntaggnnn	ncnntgcgnt	60
nacgatnecn	cacgagggnn	ccactgacca	cnantatgtc	gnacntttna	caanggcctg	120
aactaacntn	aanaatnnca	aancatcnna	acggancggc	cctgcctnaa	cngacgacgn	180
ntcccnttga	gnnatagccn	ngcccnact	taactgagtn	attaaccntg	tatnntntnc	240
ttcngnnggc	tcagaagctg	atngantnan	cncnatcacg	accatcganc	ttgctcnccn	300
nagancncc	cagtnaggnt	nattnagnat	tnnctnccnn	nancntatna	naatggccgc	360
tcccttgatc	nancnatcng	tgactctcat	ntactggact	catnccacct	gcacccangc	420
gnatntaaan	atcccatag	ntcacnnnaa	tnataanaca	taaattagga	tacanacctg	480
attganatgt	tnnagctgaa	caggntntac	cnctgnann	ctcttgggng	ttactatgg	540
atatgaacnt	cactttgaaa	actgggann	nnaacgggga	ttcttaaat	nccttnttgc	600
tataggcnaa	tanttnccgg	gagagntgg	agtatcnngg	atgaancaat	tcantcttac	660
tgaanaaagt	gggcncggnc	tngaattccat	agggnaaaac	canttgttaa	nattatnggg	720
ttccaacgna	anncctgagn	taacnttcca	aanggnttgn	aagantttgg	gaaggcntga	780
atgggancaa	ngggggctcc	cnatccaaan	aaattgtcaa	ntttcaagtn	cctnggccct	840
ttntnaaacn	ntngaant					858

<210> 4815

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (716)

<223> n = A,T,C or G

<400> 4815

tgnnnttttg	nttcnaatgc	nngctcttgt	tctttttgca	ggatcccatc	gattcgcgca	60
aacttttcan	tctctctaaa	gaagatgatg	tccgccagta	tggtgtaaga	aagcccttaa	120
ataaagaagg	taagaaacct	aggaccaaag	cacccaagat	tcagcgtctt	gttactccac	180
gtgtcctgca	gcacaaacgg	cggcgtattg	ctctgaagaa	gcagcgtacc	aagaaaaata	240
aagaagaggc	tgcaaatat	gctaaacttt	tggccaagag	aatgaaggag	gctaaggaga	300
agcgccagga	acaaattgcy	aagagacgca	gactttcctc	tctgcgagct	tctacttcta	360
agtctgaatc	cagtcagaaa	taagattttt	tgagtaacaa	ataaataaga	tcagactctg	420
aaaaaaaaaa	aaaaaagcct	ctagaactat	agtgagtcgt	attacgtaga	tccagacatg	480
ataagataca	ttgatgagtt	tggacaaacc	acaactagaa	tgcaagtga	aaaatgcttt	540
atthgtgaaa	tttgtgatgc	tattgcttta	tttgtaacca	ttataagctg	caataaacia	600
gttaacaaca	acaattgcat	tcattttatg	tttcangttc	anggggaggt	gtgggagtt	660
ttttaattcg	nggccgcgcy	ccaatgcatt	gggcccgac	ccacttttgg	tccntt	716

<210> 4816

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (767)

<223> n = A,T,C or G

<400> 4816

naancnatag	ttcntgtnt	ttttgcagga	tcctctgatt	cgantgcgnc	tnaagnancn	60
gncaggnt	annctcacc	cattactggc	tgntgttcta	tnaggtctn	atganggnan	120
ctgacnnaga	ccgtgnnagt	aacnttggac	tctnctncan	tnactaaga	ananacnaat	180
gtgggcnngc	catntgccn	nctcgtntga	ncacancnan	nnaagagnct	ccagcatggc	240
aattgcnatt	caccnnga	gctgtncatg	aagngaactn	ngttcnnng	acggcattcc	300
nacctgngcc	natgcccag	acnaggantc	nactggannt	cnagaannnt	gctnntgngc	360
ctcntnaang	gcnntgtat	ngctcaccat	ggagccctng	nggncnttgg	acntnannta	420
ctatgacagg	ccanancact	gactgaccan	cntngatgac	ggctcntgt	tacctatgaa	480
ttganntgca	tnanancntg	agngatcaaa	gttacnannt	ggtacacctc	tnnctcagng	540
atttctcagg	tnnctcgatn	tcaannctta	atatntacan	ngctaattgc	acttagaccc	600
tgncacgttc	tngatgtnan	acntccttga	cnnnatngtn	acatntttnt	tcatgnctta	660
aaagtnaatt	ggtngcanag	tttctttcna	tnccggatgc	tctgctntta	cncaangata	720
cgngattnaa	tgtnaangnt	cgtcaggaag	nttttantga	acttnct		767

<210> 4817

<211> 1154

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1154)

<223> n = A,T,C or G

<400> 4817

ngggggagg	ntgagggtg	aaannnctcn	tanntattta	ccaagcctta	ctntgggttt	60
ctttttttg	gccaggggaa	ttccccattc	gnatttgng	gaaatttcgg	gcnaccgaaa	120
ggcagcaagg	gtntntggtn	ccacttgggg	gttgccaaag	gggcttaaan	aatgnccttc	180
aagtttaaaa	agggcagngc	aaaaattaac	cgtngggggt	cgngcttgg	aaaaaaatac	240
cgtaggtcaa	tttcttaag	gttgtggatt	tatttggcaa	agnttnaaan	aaatggaaat	300
tggatgnttt	tccaacnaaa	ntaaggggtt	atthggtaaa	tttcaagggg	gtattagcca	360
caccaatttt	taaatggtaa	agccnaana	aaggatggtt	ttgtnaccac	gtttncnaaa	420
naaaaattag	tnacctggt	tccanntccc	aagtgggtcc	cacttttcnc	ttcctaaacc	480
tttccttgg	cctaccgcca	acnagcacca	ctttananat	tancnttgcc	accgaatttn	540
cctngaagcc	acngggaaaa	gggaatacct	tttacttgg	ccctgggttc	accgaaancc	600
gacctntttt	agaccctnaa	tgaaccctta	ttttactng	ggttnantaa	nacctttgtc	660
ntttggggcc	aggnccttnt	ttcaaccctn	ggaatgcttn	aagggtngga	aaactaggan	720
ttaccnnaac	ccttggeccc	tttcantngn	aantnnacat	acccatttg	gttngtgeta	780
cctttnggg	attaccccat	tnctttann	ccngnantn	ccangngtn	ccatcantgg	840
ttcctangta	aaatnnogga	aactttctta	anngganng	acttgaang	ncanagnang	900
aaatttngcg	gtagaataac	cctnnnaaan	ngtcnnaatn	tgnttaannt	ncttttaacc	960
ttgaaaaatc	ntagcncnca	cttggttanc	tnnttgcccc	ntttnncccn	ncnnnnannt	1020
tggcactttc	cgntattccc	ctnanaaaat	ttaccngctn	gacatatntt	nactcccngt	1080
gcctntnggt	tnanaccacc	accnttgnta	gtntcccaaa	cttctnctct	catgctacnt	1140
ctacggggag	gtct					1154

<210> 4818

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(766)

<223> n = A,T,C or G

<400> 4818

ttnnnnnnnn	gtnttttaag	ntacaggnta	caanncctng	gctactngtt	ctttctgcag	60
gaanccatgc	gcntngcaat	gctgancnag	ggctntnntc	atgtatccac	tggnttctgc	120
cncccaaant	gctngactgc	agnngtgtga	tcatggctna	ctgcnnccct	gacctcctgg	180
gctagagcan	ntngccttcc	tangactctc	aaantgctgg	gattacaggt	gtgagccana	240
ngngcgtggc	ctctttttac	nnnattgna	nnnaattat	tanggnannn	tcnaaggcnn	300
aatgnattgn	cacntcmnt	gctcacctnn	gacttgaccn	gntganctca	tgnnatcnna	360
nnaccncatn	ctttcnanna	gctntgacta	cnagcagcac	accancctan	ccngctagtc	420
tgtatggcgg	agcacacaca	tggaatcaac	tcgtgtgccc	aactcaggta	gaactacngt	480
actnaagnga	tnccnccgtc	tgnnccnna	nggtgtcnng	nttacacntt	tgagcnattn	540
cacangggnn	atntcntcnn	tnntcaaate	ttacaccttg	ggctangctt	ggaagtgtaa	600
ngnatatanc	tgangacncc	ttagntttat	gaagctncat	tgagggtncc	tgtaccaann	660
atggncgcat	ccaactggnt	tccatcttct	taatcagaaa	tnnacattg	gngcagnnga	720
aaaaaaaaaa	agaactcgag	gccttanact	atagtgaagtc	gtntng		766

<210> 4819

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(579)

<223> n = A,T,C or G

<400> 4819

ttaagccttt	gntatctggt	ctttttgcag	gatcccatcg	attcgcgcaa	actttncant	60
ctctctaaag	aagatgatgt	ccgccagtat	gttgtaagaa	agcccttaaa	taaagaaggt	120
aacaaaccta	ggaccaaagc	acccangatt	cagcgtnttg	ttactncacg	tgtcctgcan	180
cacanaacggc	ggntntttgc	tctgacaagc	anngtccaag	aanagtaacc	ataaggtctg	240
agaatatgct	agactcttgn	cntcagaatg	aangcngctt	ggcgnagccc	annaacacan	300
tgcaagagc	ctatgctgcn	tctctgtagc	nntctctaan	tatgatcnnn	nngaaatcat	360
nntatgannc	caatgataa	acagcttaag	aacngggaaa	nccttaactt	ccagnnatcg	420
ctatctcngn	agatctntat	tggcannnnc	tgangnaaga	tgttatctaa	atgntgtcgt	480
tatgtcnctt	actgatncag	tacacncttn	atcatttgta	ngntgtgngt	tggagtctaa	540
ttggcnncnc	ttcttnccctn	acctcttagt	cttatgtga			579

<210> 4820

<211> 1028

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1028)

<223> n = A,T,C or G

<400> 4820

cccccgccgn	anaaactnnn	cnnatnnang	nnncnnaann	caccnnncan	cnnnanannn	60
gnacgnnnan	ncncnnngca	cnnnanacng	canaggannt	gncncncgga	ttnnccntga	120
acctggaaac	cgcntctanc	aggagncng	cgattcgaat	tcggcacgag	agnncacagg	180
nnntgcgncg	acnanngcta	aangcnanaa	cgggaaannga	gaagncgngg	annnggngag	240
ncgatgacng	gacacancnn	atnngncaag	nnggacgctt	gnnnacgcag	cnggaccnac	300

anggtgcaag	angccntcga	cnacatanaa	nnaccanaaa	aaaccnagg	cacgnggcac	360
ntcnccccgg	agnaangcan	cncnnnggga	nngccgacag	ngctgagaaa	nngcngnaan	420
ccaggagggtg	gaanangnac	gagcaccnga	naggcgccat	ngcnctncan	nnnnngcann	480
nancagtgcga	ctntnnncac	angaacaac	acnacagana	gtcaagcacc	nnaaaaanctc	540
antacacnnc	cacaaggagc	gcnnntggac	ccngctncta	agncggangt	nggnntaaga	600
cnatcgngan	cccaccaann	tcntgggcca	angnnaaaaan	angcnaaaan	nggnccntgn	660
tcggcannnn	gcnaantagc	antgaaaaaa	nccggnncca	tnaaaaanca	acggggncaa	720
ncctnntnan	ngngngnngc	aanagngggg	gcncaaanag	naaaccnna	ttgcacgcgn	780
aggtnnntaa	ttagaggngg	gcanacggga	cancacncgg	accgnaanta	nggccncna	840
canaaactnn	acccaaactg	cccaggga	ncgnaaacgn	gacttttnac	agaacttgna	900
ancgnacgaa	ccccncgann	agtnacanaa	ngcagnnaga	naaaaaantg	ngtcngcncn	960
nnangnngnc	tcatagggga	cnnaaanaac	ataggganac	acaccnggag	cnaanaanat	1020
taagggcg						1028

<210> 4821

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(832)

<223> n = A,T,C or G

<400> 4821

antggnaann	ngggcaanaa	nncccttaag	aannactgaa	nggaaaagcc	cgnagcgnnt	60
ggngngaann	gggacgngag	gggnnggang	aggggtaca	gaccgnttt	tggncgncgn	120
nttncganga	ncgangngg	ggnanntngg	gggggnangn	naagggcg	cagngggana	180
aagatgcggn	ggcgaggcca	ngaaaggang	gaagggaaga	ngggaannaa	gncagngnc	240
ccnngggcaa	caaggagggn	aggggnacag	gnagnaaagn	ngnggaagng	gaccggagca	300
gncnaaacng	ggagngnaan	agnggggaag	naanggagng	ngcanaagnn	gagagagagn	360
acncagnnga	gaaacaggcn	nnagagaagc	agcnggngna	aaaaacngcn	ggnannagng	420
anagggagag	gaggannnaa	aggcangnga	aaagaaggan	ggcagangga	aggannggna	480
anaagcccan	gagagnnggn	nnacnagaga	anggggcaaa	ggcgacaggn	gggaaaggna	540
aagggganggn	agaanngnag	ggggcnngaa	gnaacgagac	gnngganngg	ggaggnanaa	600
nggnnaanna	gagggngaag	gaaaggacaa	gnngngana	gnnggnagac	gnangcngaa	660
naggaggggga	ggagnaacng	agnagangga	ggnangngga	agggnggacn	gggnncngga	720
gnnggaagggn	ggngannnaa	ggnnggggan	angggggnnn	aaaggggang	nannaannnn	780
gnaagaggga	ngggagggna	agggngggga	gagaggngng	agggcgaaaa	cc	832

<210> 4822

<211> 1036

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1036)

<223> n = A,T,C or G

<400> 4822

anngacngnn	naaacnnnnn	nancnnnnnn	naaannnnng	aaanngaagg	naacannaan	60
nngnnnnncg	aaaaannnga	anacaacnnn	cannnnnann	acaccaggng	nanaagnang	120
naaaggaacg	cgncncnann	nnncnnncgn	nggannacg	aaancgggna	ngacgntgaa	180
anntagaatg	cacagannna	nannancnna	ntagnaaaaca	tcngggnncn	nnannangcg	240
acatntntnn	ccgnttggaa	acgcttggca	atctccgacg	canagagaga	gagaagagct	300

nncaanancn	nagatagnna	gnancgnana	natanangnn	gtcannnnna	naggnnnngaa	360
acncnncnct	ctanntnnca	gctnnnggct	cacagnngan	agncaacgan	ggcagaagga	420
acatgagcct	gatgaagaga	cnggaaangg	agcacctgnt	cctgnacctn	caaagagaac	480
agnccaaaga	aatacaccca	agcanggang	ctcagagatn	aatancagag	agaggactnc	540
cancctnaag	gcangnatna	nganaaggca	aaanncaaag	gtaaaggaca	tgagagctga	600
agacttgang	angctaata	gacacangga	gcactgggca	cataggctan	nccctaaact	660
gnagntngag	ganattatcg	ncagagcaga	ataccnggga	agtaaaaagg	aagnncagac	720
ctgnnnaaaa	cgaantcgan	tagaaccnnc	cctanatata	catgaagaat	nttgntagca	780
natnatgatg	aangctgcng	gagaanaaan	gaaacactga	aagtnacnnn	antacnga	840
tnagaaccn	nnntggacaa	anntatactg	anaagngaga	atggctngcn	nncangagnn	900
anagttgaan	ccctaacagn	acgagcaacc	ancagagaaa	nngnnnaana	aantnaacaa	960
cntgggcntn	ggaaaagaaa	gcaaggcaaa	gcccgcagga	nnaaanaagt	nnatgaaccc	1020
tagnngaaaa	tggang					1036

<210> 4823

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (711)

<223> n = A,T,C or G

<400> 4823

tnaatncttg	ctctgcctc	tngcaggatc	cctcgattcg	aattcggcac	gaggctacac	60
tgtgggggga	agatgctgat	aaatttgatg	gttctagaca	gcccgtgttg	gctatcaaag	120
gagcccgagt	ctctgatttc	ggtggacgga	gcctctccgt	gctgtcttca	agcactatca	180
ttgcnaatcc	tgacatccca	gaggcctata	agcttcgtgg	atggtttgac	gcagaaggac	240
aagccttaga	tgggtgttcc	atctctgatc	taaagagcgg	cggagtcgga	gggagtaaca	300
ccaactggaa	aaccttgat	gaggtcaaat	ccgagaacct	gngccaaggc	gacaagccgg	360
actactttag	ttctgtggcc	acagtgggtg	atcttcgcaa	agagaactgc	atgtaccaag	420
cctgcccgac	tcatgactgc	aataagaaa	tgattgatca	acngaattgga	tngtaccgct	480
tgtgagaagt	gcgacaccga	atttcccaat	tttcaagtac	ccgnttgatc	ctgtcagnaa	540
atattgcana	ttttnaagna	gaatcantgg	gtgacttggt	ttccaggagt	ctgctgaanc	600
tatccttgga	ccaaaatgct	gcttatcttg	nggaattana	ngacaagaat	gaacngcctt	660
tgnagaagtt	ttncntaat	gccaaactgc	gaatctttca	ttattagaag	c	711

<210> 4824

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (820)

<223> n = A,T,C or G

<400> 4824

ncgncccntn	tttaaanccg	gcaanccttg	gaanccttg	gaaagccccg	nnncgaannc	60
ggnacgaggc	ngggnnnttc	ctgntacang	caaaancngc	ttcgagggac	cacatttttt	120
cccccgnaac	ccgcgcgcng	ggaggggaag	annntnaacc	tgggccccgc	acaggggtanc	180
ctngnanann	ctgtgaccgg	aaaggcgccc	naccgggant	nagtggctcc	aantntcaat	240
gcanccccac	accennagtt	gttttnatcc	tgagaaaaaa	aaggggagcn	gaattattna	300
aanttaang	aggananccc	ntcntggaan	ggcngcngac	ccttcctgca	gaaatgggga	360
gcacntgagg	acacaggtgg	gtggaggccc	mntgtgcggn	gctggctcgga	ttcnggcagc	420

```

cctccgtcnc ttnttataaa acnttgggng agaagantat attganaatg tcagtgaaac      480
aagccnecat tggnaatgga ggncagann acnccacaag gagcccttct gcntataaaa      540
ncnagangca aaaaaccttt ttnaattnnt gtnaatnaaa aggaaagact tgntaggtct      600
anacnncnanc tggngtgggg nnnacggggg agaacactgc naacagggan aaanggnngn      660
gcacacaana aangagtggg cgaatattgn ccangtggaac ccagccgggg aaaaaacnna      720
tanaaaaaaa ctcttcataag anccttttta aaaaaaaaaa aaaaaaaaaa cttcnggccn      780
cagaaaacca annggaggng acctatnccn nnagaanccg      820

```

<210> 4825

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (895)

<223> n = A,T,C or G

<400> 4825

```

ggnnnnngant gnnnttnann ccttgcaaac gnnctcgctga gggancgncc gaatnccgcn      60
cgcgaggagaa ntnanatngt ncatgggata nncngtnntt tgtntgntat acagtgcntg      120
nnngnagngg ggntccgtac tgctagnnan gaacgtgcat tcacaggggt ataaanataa      180
cgatgttagc accaanccnc ttcnaccctn caataggggt tnagatgcnn nanatggang      240
ntgcctatatt aangnntntn nntgcnncna tatnngaatt ncngaggacn acttannncc      300
gaaanntnta cttnccegnac cgnangggcg aaagngntta tttttgatga ctncgtgggt      360
ccgcncngag agtcctgct ttgcctgcgc ctcccggtct aaactgtnac cctttagttn      420
tngannaccn nccccgnctt gggaacgggtc tgacnntcnc tcgaaaanag gaagtggctn      480
aanggcnggc ttcttgacnc gngnatcgga tcctnnggcc cnnccccntt ccgttncaan      540
cttgcttntg caacaagcga tngtnacgc ttttnactga nntcttttat ntcgccattt      600
nggattcccg ngttccntgn aacnaaaang ncnnggcgga ngtcaccnat aaaacctgtt      660
ccccttgctt acaanaagca nnganggtgc ccgtcngngc cctggtcttg nanaacangg      720
ntgttgggga ancntaaact nccccacatt tgatggaana cncattttca tnnanccatt      780
nttaaaaacn ggggntgngn gcaacgccaa nncctactcc ncactatcca aagntcccan      840
ntattggcgg ggcattcttc attggaaatt ntggatngaa ngaaaccctt ctctt      895

```

<210> 4826

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (759)

<223> n = A,T,C or G

<400> 4826

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tttcaaactg ctgggtact cgttctttct gcaggatccc atcgattcga attcggcacg      60
aggcctgtna ttccancatn cncngncacn aatnnaanan ggagncctta ggntcttaat      120
gtgaacaggc agnngattan gctgggcact caggnagaan ntccgctgtg tcantnttna      180
ggcatgtttc atgattcaaa ntactctcca ncccttgctc tcaatgcctt gcatgagcct      240
tgnatgattg nattaggact accnanatta ncncnngtna tcncctttgn tnaaanngaa      300
ntcacnntgt atgtnacann atnctaatac ntcaanaggc acnngtattn tctgacnaaa      360
nagctaggca nctnaanata nccanattat atcnnnatcn ntngnncnctt nattantaca      420
tacgnanacc tngtaaggna tntttnnncan tggacattgc tacagatcag ntgacgatta      480
ngtancctnc ataantaatn nanngcattg tacnttnacn gatcggtctn ccnctgncat      540
gatncngttc ctngtgana canagctcnt cgtattctgg ncnntnncc gntatcngtt      600

```

nntaatgcan	atatccctat	gcaggtntcc	catatnnntn	tnatnatgca	tatagccttt	660
tgaangctcc	ccatntnata	tgcnatatt	ccaccatag	aaatnttncc	tnnncgnact	720
ttggncacat	gtaagncttg	gtnaccaaan	ntaatcatc			759

<210> 4827

<211> 767

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (767)

<223> n = A,T,C or G

<400> 4827

gaaanccct	ttgttactnn	gtncctttttg	caggatccct	cgattcgaat	tcggcacgag	60
ggggattcat	aattccagac	aggtagagaa	cggttttatt	tatgtagaga	cagagtctcg	120
ctctgtcgcc	cagctgaggc	ggggagaatc	actttgacct	gggaggtgga	ggttgcgctg	180
agctgagatc	attacactgc	actccacctg	ggcaacagag	tgagactatg	tctcaaaaaa	240
aaaaaannaa	aaaaaaaact	cgagcctcta	gaactatagt	gagtcgtatt	acgtagatcc	300
agacatgata	agatcattga	tgagtttgga	caaaccacaa	ctagaatgca	gtgaaaaaaa	360
tgctttat	gtgaaatttg	tgatgctatt	gctttat	taaccattat	aagctgcaat	420
aaacaagtta	acaacaacaa	ttgcattcat	tttatgtttc	aggttcaggg	ggaggtgtgg	480
gaggtttttt	aattcgcggc	cgcggcgcca	atgcattggg	cccggaccca	gcttttggtc	540
cctttantga	gggttaattg	cncgcttggc	gtaatcatgg	catagctggt	tcctgtgtga	600
aattgttatc	cgtcacatt	ncacacacat	acgagccggg	acataaagtg	taaagcctgg	660
ggtgccta	gagtgagcta	ctcacattaa	ttgctgtg	ctnctggccg	ctttccaatc	720
ggnaacctgt	cgngccactt	gcnttatgaa	tcggccacnc	ccgggggn		767

<210> 4828

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (719)

<223> n = A,T,C or G

<400> 4828

ttctaatttn	aatccttnaa	atnggttctt	tntgcaggat	cccatcgatt	cgaattcggc	60
acgagagaac	acaggtgtcg	tgaaaaactac	ccctaaaagc	caaaatggga	aaggaaaaga	120
ctcatatcaa	cattgtcgtc	attggacacg	tagattcggg	caagtccacc	actactggcc	180
atctgatcta	taaatgcggt	ggcatcgaca	aaagaacat	tgaaaaattt	gagaaggagg	240
ctgctgagat	gggaaagggc	tccttcaagt	atgcctgggt	cttggataaa	ctgaaagctg	300
agcgtgaacg	tggtatcacc	attgatctct	ccttgtggaa	atttgagacc	agcaagtact	360
atgtgactat	cattgatgcc	ccaggacaca	gagactttat	caaaaacatg	attacaggga	420
catctcaggc	tgactgtgct	gtcctgattg	ttgctgctgg	tggttggtgaa	tttgaagctg	480
gtatctccaa	gaatgggcag	acccgagagc	atgcccttct	ggcttacaca	ctgggtgtga	540
aacaactaat	tgctgggtgt	aacaaaatgg	attccactga	gccaccctac	agccagaaga	600
gatatgagga	aattgttaag	gaagtcagca	cttacattaa	gaaaattggc	tacaaccccg	660
acacagtanc	atttgtgcca	atttctgggt	tggaatgggt	acaacatgct	ggagccaat	719

<210> 4829

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(887)

<223> n = A,T,C or G

<400> 4829

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nntttaaaac cttnttttta acccttttaa aacctttcaa ctaccgggct ttttgcaaga      60
ncccatcgat ttcgaattcc gcacgaagga aaacatggca cttnttnttg ncatncntaa     120
cgggccctgg ccgctnacct gtggaaagta caggctcctga caactggggt ncctgatggg     180
cctgggtgac attatctcac aacaacttgg tggagaggcg gggctctgnag gaacaccang     240
agaggcccg actctgacca tgggtgtccct nggctntggc tttgatggcc ctgtggtagg     300
angctggaca anggtttgat cngancatnc ctgncaccac caaantggga tgccctgaag     360
aaaatgttta tggatcangg gggctttgnc cccgtgtttt ctangctgcn ttntnccact     420
nggtatgggg cacttaatgg aatgntaac ncagnacaaa nttgggcca aactacatgc     480
gggattatac tagntgccct tatcaccac tactntntta tggncntgct gtgccagntn     540
nccaactttt annntgntgc ccctttnatt ncaaantgg ancgngncc aaantgaanc     600
ntntnttttt nttgaacctt cctacctntc cctgggaang gcncaatatn gnttatnaaa     660
nccttgccct cannttcnan tngtntccc aacctttnt aggggnntac aganttttgn     720
nccccatgg aancnaggac aataacaaan ctcttctaa aantgggggg antaaccccc     780
ntttctacna gnagtttggg tttttcccg tgncaaanan tttantaaag gaatttgga      840
ccccctggaa gggnccccnt tttantttt aaaaaangtc cacctgc      887

```

<210> 4830

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(858)

<223> n = A,T,C or G

<400> 4830

```

ttntaatnc tngctatcgn agtnntntaa gnncanttct aatacttggc ancncgatnt      60
cgcnnnanca tncnatacag tntnctctg nncgaggcnc ccangtncat ggctnnatnn     120
angggcatcc atatgccagc tggggggccag gcnacantgg ccatattgnc tgnagcnnga     180
atgggtgcca cctacncgaa ttgaanggct aagagtccca gatagctagg ccagagctgn     240
aagcatacag taaggggaan agctgctccc acagganagg gatagattcc atctcactgc     300
gcancctggg aggaggcang gatcctgnca cgctaagcct naggaaccan cctccctgtg     360
ctcgacatgc aaagtcatga ctccctnctg ntgagnactg agctacctn tactgctcca     420
aancnnacta acagctctcc aanccttgg ggtgactcga gatccnanga nctgtngact     480
taantganga tantcagtc tgttctgcn nggcaggcca nattcctncc tccaanaanc     540
nnnatcttct naaacctga anntgtancc tntctnattt acccagctan tttaanncca     600
aatnttanaa anntanncna atacnttac tccnaaacca cttttgnctt cnttacctga     660
tannngnngn nctatactca cnntttagcc ntaaaangaa nccttntctnn annagcnnat     720
ttgtcntttt ancttggnaa actttctatn tanaatnacc atccaaannt tnnngnannt     780
cnttaatntt ttanccnanc tacaatnaa canctntaac ctnantcctg taantcnnac     840
aaaattntc nntanctt

```

<210> 4831

<211> 1786

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1786)
 <223> n = A,T,C or G

<400> 4831

cgncncncnc	cnncccccnc	ggnnncngcn	nnnacnncc	ncnncngcn	acgncnnnc	60
naccnnnnna	ngagcncng	ncgnnannnc	ncgcncacna	ngggntcng	ncagcngnnn	120
ccangcncnn	cnnncngnnng	cncnggnann	gcngnancnn	nnannnnncna	cnnangctac	180
nnacgcnanc	nnncnngcng	anagnncncn	nnnagcgcna	ncncgcncnc	nccngcnanc	240
ccacacnnac	gnncanncgg	gncnnngna	cnngnncccc	nancntnnnt	cncnttttgg	300
ccaacncngc	ctgggcancn	acccnnntc	gccncagnaa	cgngngnang	ggnnccgnnac	360
nnennccgnc	cccanngncc	cntntncnc	ngnagnntcn	nnnnncananc	cncagcanan	420
cncanancn	cgccccnggg	ggnnnnccgna	ccnccnnca	cccgcgnagn	gcncncncan	480
nnccgngcgc	ctcccnncn	cncgnacccc	ncnnnnngnc	ccnccngccn	gcccnccnna	540
nnngccnann	ccnnncnccc	nanacacnnc	ngncgagnc	cnnnnnnncn	cncnccnncn	600
ccccnnngnc	agacnactcc	nnccnncncc	agnccnccnc	nacccgccnn	ngnnnnctcc	660
nnncgcangc	annncncng	ccnncccccc	cggnctggc	acacgacncn	cncaccgcnn	720
cnnccccnnn	nacnacgng	cncncnagcn	nnacnncnc	anncanngac	ncngacacac	780
cngcngaggc	aacacgcncn	caccnnnaca	cncantnac	gcacccggnn	catcacgcnc	840
gcngganccn	gacngagaca	acncagcnnn	nnccnagnn	nacacgcngg	cnacagactc	900
tcncacgna	cgcannnnnc	gcacctccnc	nnnacaccna	ngcaccgcng	anancncgc	960
acnnngngng	ctcanacgca	ncangcgcgn	cnangtcncn	ngacgcnncc	nctcnacncc	1020
gcgngncncc	aacgncgcgc	cancncngac	gncgncacna	cngacgncac	nnnncacaga	1080
naggacncac	tnngcgcgan	nnccnncngn	cgncancncc	cgacgcnagt	atanacnatg	1140
cnnngncagc	acacannnnn	cnaacncngc	cgngccncac	gctctcnggc	agnacacgc	1200
ggngccttag	agccnngcat	cntagagcac	gcgcannnt	ccngccacat	ngcacancnn	1260
canacnngcc	cncnnccnnc	agaccnncn	nccanctccn	ganaccncga	ctcacaccnc	1320
nctnncgcgc	aanagnnnca	ggnaacgct	cngetctnca	ctgnganacc	gcangacgnc	1380
ccttnccnact	canacnncn	gncacagnca	cncnccncc	nacacnccn	nnccatccg	1440
ngnatcncn	ncnannnacg	nacannncgc	gcaccngcac	gcacaccann	gncngacga	1500
ccnccnccg	canacctgcg	ancngctcat	gcgcgntnc	tacacnccgn	cngtncnanc	1560
cncgaccgnc	acagnncnnc	gctnccgntnn	cnnccnccnc	gcgcgntccc	ancnncaggc	1620
nnctacnnc	cagntatccn	gngtnnnngnn	caacgcncag	cngtctcnc	acanncccgga	1680
ngcgngncn	ntnccnnnga	gagcaccag	ntanncaacc	nnacnccaga	naactcnacc	1740
nactcgntca	cagntcgcgt	gtcnaccngg	atacaccgac	cccacc		1786

<210> 4832
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(759)
 <223> n = A,T,C or G

<400> 4832

tttatgncnt	agtgaactct	ttgggaagca	nncccatcg	attcgctcag	attaaggggt	60
ttgaaaaaca	aaccgaaaaa	gatgggcntn	attnagcctt	acttgattga	cgttgactta	120
atcagagggt	caacatttgc	caaagcaaaa	cctgaaattc	catggacatc	tctgactcgg	180
aaggggcttg	ttcgagttgt	attttttcca	ttgttcagca	attggtggat	tcaggttacc	240
tctttaagaa	tctttgtttg	gctgttacta	ctttatttca	tgcaagttat	agcaattgtc	300
ttatatttga	tgatgcctat	tgtgaacata	agtgaagtac	ttggaccctt	gtgccttatg	360
ctactcatgg	gaactgtcca	ctgtcaaatt	gtgtctactc	agataacaag	accatcagga	420
aacaatggaa	atcgaagaag	aagagtttcg	ctcttggtgc	ccaggctgga	gtgcaatggc	480

gcaatctcgg	ctcactgcaa	cccgatacct	cctgagttca	agcgattctc	ctgcctcagc	540
ctctcaagta	gctgggatta	cctgcgtatg	ccaccacacc	cagctaattt	ttttttttga	600
atntagtaga	gatggggatt	tcacccatgt	taatcangct	gatctagaac	tnctggacct	660
caggtgatcc	anccggcttg	ggcttccaaa	aggactggga	ttaccagcgt	gagccactgn	720
acccaaaccg	nctaaacctt	ttaaaaaagg	attatttgg			759

<210> 4833

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (772)

<223> n = A,T,C or G

<400> 4833

ccaacgcngg	ctacttggtc	tttttgcagg	atcccatcga	ttcgaattcg	gcaacgaggat	60
tagtactagt	tctatctgga	aaaagcccgg	gttggaagaa	gctgtggaga	gtgcgtgtgc	120
aatgcgagac	tcatttcttg	gaagcatccc	tggcaaaaat	gcagctgagt	acaaggttat	180
cactgtgata	gaacctggac	tgctttttga	gataatagag	atgctgcagt	ctgaagagac	240
ttccagcacc	tctcagttga	atgaattaat	gatggcttct	gagtcaactt	tactgggtca	300
ggaaccacga	gagatgactg	cagatgtaat	cgagcttaaa	gggaaattcc	tcatcaactt	360
agaaggtggt	gatattcgtg	aagagtcttc	ctataaagta	attgtcatgc	cgactacgaa	420
agaaaaatgc	ccccgttgtt	ggaagtatac	agcggagtct	tcagatacac	tgtgtcctcg	480
atgtgcagaa	gttgtcagtg	gaaaatagta	ttaacagctc	actcgagcaa	gaaccctcct	540
gacagtactg	gctagaagtt	tggatggatt	atttacaata	taggaaagan	agccangatt	600
taggtaatga	gtggatgagt	aaatggtgga	ggatgggagt	caaaatcaga	attatnggaa	660
gaagtatttc	ctgtaactat	ngaaagantt	atgtatatat	acatgccana	aatatatatg	720
tgtgtgtgtn	tctgnnggatg	gatatatgta	tatctcttcc	tatatatatc	cc	772

<210> 4834

<211> 833

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (833)

<223> n = A,T,C or G

<400> 4834

ggnnccnnnn	tttttaactc	ntgccctttg	aannccettg	tacctcncnn	ngganggggc	60
cctngtttna	attecctnnc	acccanngat	gggccagngg	gngaacttnc	ttgagtatgt	120
cgcctttccg	gnngnecgtt	nctnngttct	acnnagaacn	cttngagggc	tgaaaataaa	180
tntggaagat	nganacaccc	tntgnnggtc	ctctctgaga	caaatccatn	tgggtgggtaa	240
ttgnacanta	aatntttttt	gntcaaatnt	nnaaaaaaaa	aanangcctn	tacaactctt	300
gtgagtcntn	ttaccnccat	ccnnacatga	taatgataca	tatgatgatg	ttggncacaa	360
ccaacatcta	gaagtgcgnt	tnaaaaaaaa	gctntntttg	cgnaanntnn	gatnctnttg	420
ntntnttnga	nncctntgng	cctgnataaa	caagttaaca	acgacanttc	tttcattagg	480
ggagtcngna	tnatggtggg	ggccangnan	gngttcntga	atctngcntc	gtctcctnca	540
ggncatntnc	acnacacccg	aantttgggc	atntntnttt	gncntntgaa	cggnnnctng	600
gngttnatca	aggatatnnn	ntttcctgtg	tgcaaaattt	gtccctcnc	naattccacn	660
ctngcatgcc	atcccggnat	cattnaaggg	taaaantcct	ggggggnggc	cnnatgcagt	720
nngcncacc	tcncatttgn	atngctgggt	ggancataan	tggccctgct	attttanttg	780
cngngnanaa	catnnctntg	ggcctntngt	gncatntaan	atanattggg	gcg	833

<210> 4835
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n = A,T,C or G

<400> 4835
 tttattccat cagctcttgt cttttgcnga tccctcgatt cgaattcggc acgagattct 60
 ccctaaatag taaatccac tgtatacaaa actgttctct tgttctgcct tttaaaatgt 120
 tcatgtagaa aattaatgaa ctataggga tagctctagg gagaacaaat gtgctttctg 180
 taaaaaggca gaccagggga tgtaatgttt ttaatgtttc agaagcctaa ctttttacac 240
 agtggttaca tttcacattt cactaatgtt gatatttggc tgatggttga gcagtttctg 300
 aaatacacat ttagtgtatg gaaatacaag acagctaaag ggctgtttgg ttagcatctc 360
 atcttgcatt ctgatcaatt ggcaagaaa ggagatttca aaattatatt tcttgatggn 420
 atcttttcaa ttaatgtatc tgtaaaaagt ttctttgtaa atactatgtg ttctgggtgtg 480
 tcttaaaatt ncaaacaaaa tgatccctgc atttcctgaa gatgtttaaa cgtgagaagt 540
 ctggtaggca aagcagtctg agaaagaaat aggaaatgcn gaaatagggt ttgtctgggt 600
 gcatataatc tttgctcttt ttaagctctg tgactctgaa atatatTTTT gggttcttca 660
 gtgtgtttgg acaagacact tgatatttct atcaacaaa tgactttcat attgcaccaa 720
 tctttgtaag accactcaa taaaagcttt taaaangcaa aaaaaaaaaa aaa 773

<210> 4836
 <211> 855
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(855)
 <223> n = A,T,C or G

<400> 4836
 gccnnttgan nccatcanct cttgttcttt ttgcaggatc ccatcgattc gaattcggca 60
 cgaggggnc aaannatntc ntgatgacaa ananctctgt atancaggtc antcncagt 120
 ttnanagtct cagttgcttg cttggggaac tngngtcctt aatgngaata gnntgctnga 180
 ttgctcnggc nctgntactg tgacagtgtt tttagacctg tgttntctaaa aaaaanatna 240
 atgcnetgaa aaggggtgtg ggagggtgtg tcancataga aacanagatg ttanggtgtt 300
 tagatttang gttggnaaca aggtcatctt tagtcaccnc actgggnagg cagcatttgc 360
 tacattggcn nactaactnc cnttgctann nnntttcang antncaanna cntgtgnatc 420
 ntagtatnnn agnntgaaat nantttccac cannagcggg cattgtttct atcacagcat 480
 aggctatgtn aagcnaactc tannatgata aatgacaccc nntnttatct attngcatcg 540
 acccccgtct ctacaagaaa gtnaccaaaa attttncctg ggcagtntgg tnggggcacc 600
 ctgtnggtcc ccagctattt caaaaaaggc ttgangngng ggaggaatca cttggacccc 660
 cggggggggg tggagggttg canttgannc caaatcnacg cccactgcan ttcccgnctt 720
 ggggtggaca caagngagac cccatttta taaaaaana atnaaanacct cctttggnaa 780
 cnggggggna aantctnttc tttttnanga anttttcntg ntnggacttt ggggttctc 840
 tatgactttc atntc 855

<210> 4837
 <211> 932
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (932)
 <223> n = A,T,C or G

<400> 4837

nnnnnnngann nnanagannnn nnnnnnnngan nanntcctnt tnnnnntagga nttgnaaatn	60
cctcgtttcta aatncttgggt aaacncctng ctnnanggt n gngccactn tgtccgggnc	120
gagggtgggc ncacacncta atntcnctgg gtccatggta ntncnatta ngcatgctgt	180
gttntatgan atgatgtant acganatcca cgggtgttngg ttaatgattt attcactcat	240
tagtcattcc acaaactagt ctngagcacc ngttatgnac ccancactgt gctggaatgc	300
tgaggagaca ggagtgaagt aaaaagacat ggntccngca ggaaacaggc aaggagagcc	360
ttgacttgac ggantctggc aatancgccca ggctggaatg caatggcgcg atctctcctc	420
actggancct acgntcnng ggntnaagca antctactgc ctcagnanct ggagtanctn	480
ggmactacag gcnnngccta ccacncgcnn atgagaaaac ttnnngccac agagaggtga	540
aataagtgg atgcttnta acctaagcgc anaaccncgt gaaaagattt ttggcaacct	600
gaaaaatccc atnctnnnt gaggattnta tngncaaccn gnaatcaant cttaggnaan	660
atgaatgcn nttcgggant aaattcnatt tttntnatc tccannaag gaaggaaaac	720
ntnnaagcc tctangaatn atnnngnctt nctaaccng ngtantcaaa actnttncn	780
aatctattgg naaacccgat ctagannttt ttnaatnacc ntnaaaatct nnaaaagaaa	840
gmnaatnag tatnttattc actcgaaaag tctccaaanc ncnntaaaag aactcnantg	900
gaccaaacta cncnttgng gaanntaan cc	932

<210> 4838
 <211> 1358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1358)
 <223> n = A,T,C or G

<400> 4838

ttgnggaac cccnnntttt tttnttaaaa aaaanccccc cantttcccn aangggccct	60
taacctcng gttnttgatn tntntttta ctgatnngaa angagcanaa cncncagatn	120
gntnantgta aantttnta tcnncncn aangtanctt nctttgtatc caaccnnggt	180
ntagtcgtct cnnncntaga ncttaantat ataannnata aacacctacc gtgntatann	240
tntgtacann tannncngc gcgngngca ncnnangtca tatanacct gcgcanatn	300
cttctacana ctacancnt atnangntt nnataaagt cttataacg catcatntg	360
ttcaacaact ggggtagcta tantgaacan tctnancan naannatngn ttcncaaaag	420
ganaancatc tcnntatang antaccctnn ntttgncaa tnatatnaaa tncnntganc	480
nancncngt ntgnntnnaa gnnntgaatc tngncaatat gttggnnnnn gcntnntnnn	540
tttnanattn anaaaccttg ncntnatnat ncatgtggta tgtnaanacg tncnttaaaa	600
taggnnaag acgnccnat tgccnncnt tatanaatnt cntnnnncca tntgctcga	660
ttntgattac aaatattgnt gcngannngn anaatnacct cnatcttgat nccttnnaat	720
annnannnaa anaattnnnt nctttctnnn tcacacnaca ttccnagta ccntnatnat	780
ctttgttnna cgtcattgta cnaacaactt aatgtagctt tgnnanacnn aacaatntcc	840
tctctttggn nnnanggnat gcacncattt ccnnttgnta ntaacctann tcngnnaata	900
ttgtaatagn cncctaacgc ntcaantct cgggtaatcn nancaaagg tttgcacnaa	960
ttctnnnccg ttncnangcn taactntntn cntaanacat ngattgnta actcgaangn	1020
atatgancgc gancgcatgn ncncanangc tcaactcttg ggataccnc gctctacttt	1080
anactcttta angncanang gttacganac tgactngna ctgtangctt ngtttactct	1140
ncnccgnaa anactcntcn atangatgnt tangcncna cgcannntn ncgnantcta	1200
tncgagcana ntnaacnnc tccanatnaa naaaatngtn nntgtngnac anataanga	1260
cntatccttc tgtatattct cgacgcgaan anatggtagc tgagngnttt acntaangta	1320

ncanatanatn ggttnacact nnnntatnecg agcctccg

1358

<210> 4839

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (716)

<223> n = A,T,C or G

<400> 4839

gmnnttttnan atcagctact tgttcttttt gcaggatccc atcgattcgc tgaaatgtca	60
aacacggcca ctaggcagc atttacaanc aagagtccac tgcttnnttg atgtatatct	120
taagcgcccc cagtgaatga acagcatata actccacata aaaatcatta aatgtnattg	180
acttcagag caggcagttc tgtgtgtatg cctctggaga aggctggctg aattgnaatt	240
ggtctgtacc tntgcctat catgtacatg angtnnttgg gcaaagagaa ctttccanaa	300
nataagtcca naaattatag atcatcanac naccaatgac atattgntga gatatctnca	360
agatctagaa tngncctggg tgtcaaggaa gtctntgggg tttttacaaa tattgataat	420
gcnccttttta taaaatgcac tttttataaa aatgcattgct cacttgagac aacttgaaaa	480
acacactaga aaaggccggg cgtagtggtc cagcctgtga atcccagcac tctgggaggc	540
cgngacggnt ggatcacgat gcangagatt gagaccatcc tggctnecat ggtgaaaccc	600
cgtntctact aaaaatncac naaaattagc anggtgttgg tgacgngggc cctatagtcc	660
catctactna agaagcttga tgcangaaaa atggtgtgaa cccaggaaac gagctt	716

<210> 4840

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (758)

<223> n = A,T,C or G

<400> 4840

angcagctct tgttctnctt tcaggaccct atcgattcga attcggcacg agccaagctg	60
taccagagtg cangaggcat gccaggagga atgcctgggg gatttcctgg tggaggagct	120
cctccctctg gtggngcttc ctcaggggccc accattgaag aggttgatta anccaaccaa	180
gtgtngatgt ancattgntc cacacattta aaacatttga aggacctaaa ttcgtagcaa	240
attctgnggc agttntaaaa agttaagctg ctatagtaag ttactgggca ttctcaatac	300
tngaatatgg aacatatgca caggggaagg aaataacatt gcactttata aacactgtat	360
tgtaatggga aaatgcaatg tcttaaatna aactatttaa aattggcacc ataaaaaaaa	420
ataaaagaaa actcnngcct ctagaactat agtgagtcgt attacgtaga tccanacatg	480
ataagataca ttgatgagtt tggacaaacc acanctagaa tgcnnngaaa aaaatgcttt	540
atttgtgaaa tttgagatgc tattgcttta tttgtgccat tatgagctgc aataaacaag	600
tnaacaacac aggttgcatc catttnatgt ttcaaggttc aaggggnagg tgtggggagg	660
ctacttaatt tcattgacgc ngggnccttg cnttnngggc nnnagaccca gntttttgtn	720
cctttnngngg agggtaant ncnaacttng ggttaann	758

<210> 4841

<211> 739

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(739)
 <223> n = A,T,C or G

<400> 4841
 agnnnantnc tatgatccct tgnnncagga tccatcgatt cgaattcggc acgagtgcct 60
 ttgntcccca actctaggga gctagtttca tacatttaan ancnetgctt acctcanagc 120
 tccttttnag cancngcaga cttmnanatc tgtttaacca gttccctata ttaaattctc 180
 tctgggnnaaa tacatggngg ggctttgatt anctgctgaa ccctnagnga tncataccnn 240
 atnatgctnc nnaannnatg cnatanncnt acaannatnt gtantnnagg atncctatnn 300
 cnanactgct ngtnntanca ncatcancat gacannnacc tttaaangtn ttenatntan 360
 ctanaattat ctaaaatggt aaangncnta aaacannnna ntaagcaaaa gatganntca 420
 agtgtatgtg catttagtag tgacttgtga gatttgacgt gttcatgaca gctggctatt 480
 tgtattgtct gaatgatagt gtatttgngt actttgcca ttgcctattg gggcattnta 540
 aaatngatcc ttaggtaatg ttaattaaga acattgacct ngggcanggc gcggtngctc 600
 acncctgtag nncnaacacn ttncgagggc gangcagnaa attcnanana angagtttga 660
 tacatctggg caacatngcg aaacctgnct ntctanaatn tananttagc cggcangng 720
 gagctgcnga ntccagtag 739

<210> 4842
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(750)
 <223> n = A,T,C or G

<400> 4842
 ttatnnmtac cgctttgcna ctncncgcag gatccctcga ttcgaattcg gcacgagggc 60
 gattcagatg atggcgaaga tggtcgaggt tntgagaacg ganaaatnaa ggcnettcgg 120
 acagctnctc tggcaatgta tctgaagggg aaagccctnc tgacagccat ggaggactct 180
 ttccagggaa gacagnnatc aaangacaaa gctgccactc cangaaaaga tggccccaaa 240
 cgttctgtac tgtccaagtc agttcctggg tacaagccaa aggtcattcc aaatgctata 300
 tgtggaattt gntcgaatgg tnaggagtcc aacatgaaag gaaaggctgn atcactnata 360
 cactgctccc aatgtgagaa tantggccat ccttcttgcc tggatatgac aatggagctn 420
 gnttctatga ttaagacctc cccatggcan ngcatggaat gtaaaacatg catnatatgt 480
 ggacaacccc accatgaana agaaatgatg ttctgngata tgtgngacag angttatcat 540
 actttttgag tgggccttgg tgctattcca tnacgtcgct gnatttgtga ctggtgtcaa 600
 cngncccncc caacacccag taaantgtgg caaaaagggg aaaaatnagc aaagagggat 660
 naaancgttt ttgactctaa tctgtatatg catttaagtg gaatatttgg tgccattttc 720
 aacattantt tcatgccccat aaaagaatnt 750

<210> 4843
 <211> 730
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(730)
 <223> n = A,T,C or G

<400> 4843

tnnctttgat	tcaattcata	gcnactgggt	ctttttgcag	gatcccatcg	attcgcccag	60
ggccgcctgc	ctgagcctct	ctgcagctgc	tcacctctcg	ctgaggcctc	tgccttcaga	120
gctagtgggg	cctgctcaca	cattccagta	gtttcctctt	tatttgctct	gaaccaagtt	180
gtagaattta	aaggaggtga	agtaaggcga	tttctatgga	aaatatattt	ttcttcttta	240
ctcctcatgc	tgagtgcata	agaatttatt	atttcccctg	aatgttcaaa	gtgggtgtgtg	300
tgtgtgtgta	aaagaaccag	gagcaaacaa	tcttaatagg	aatgtgcgat	cttgtgttta	360
tcttttagcac	acttaattag	ctacaacccg	ggactgttgc	catttgaaca	agttgttaag	420
aaaatctgcc	atgttttgct	ctttttcaaa	aggaatgact	ttaataacca	tagcaacact	480
tactcagttt	tgtgatccac	tccaagatta	tgggagcaag	aacagatnct	cctgaaagca	540
acctcacct	tcttcccgcg	ccctgccctc	agcaagtcct	ggcctgtgtg	aactgaaggg	600
tttggaaagct	ctggtttcta	ngagtgccca	naactagaaa	gactaggggtg	tctaattatt	660
tgaggggcan	ttgtcaatgg	cantgtgggg	ggcaccccat	tgttatttcg	aggcactgca	720
ttgctttttt						730

<210> 4844

<211> 818

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(818)

<223> n = A,T,C or G

<400> 4844

tntcctnccg	gnngcgnatt	ccnctaagga	gaggcncgga	tccctcgatt	cgaattcggc	60
acgagtctcg	atctcccagc	ctcgtttccg	cntgcctcgg	cctcccnnnn	ngcngnnatt	120
acaggcngga	gccaccgagc	tnngcctgga	tcaaacttta	atccatgcgc	atgggnacac	180
aagantactg	ggttgaannn	attctagntt	tgtnatttaa	atacntgnng	atgaatctat	240
tttagcacan	ggtataaata	actcgggagg	tcctctctat	cttctctcct	tnantgcatt	300
tgggtatacc	acgtttaagn	nctaaaacag	ctnngcntat	ggtggccagg	ggaaaacatg	360
gcatnctgtg	cgaagagntn	aatgatcgcn	gnccnnnctt	ggccctctcc	tgggtttatg	420
gncancgtaa	gangcccgcg	tgtaaagct	taaaccgtca	nttgggctng	gtgtaaatec	480
ccnattnaat	tcntggngng	ncaannctct	tgaccccgna	aacaatggaa	agggccanct	540
ggggcctcna	anntgtngga	gccccnntta	acaaacnntt	antngnaaac	ctttggaatt	600
ccaaccttna	aaggggaggg	naccatggaa	gatanttgag	tggcccgntn	ggaattgnan	660
ccccctnaan	gcaattagtt	tcnccnaatt	ttcctggttn	anaaaanag	cncnnaaac	720
cngggggggc	caannctggg	ctaaagccgg	nggggctcnc	anaaccnggg	tttttaactn	780
tngatacant	angnggaaan	aangggcccc	tttttaan			818

<210> 4845

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(748)

<223> n = A,T,C or G

<400> 4845

agcttcattn	nactatcagn	tgcgctgctn	tangtgcnng	atccnttcga	atccngcncg	60
aggcgngang	gcangganng	cagngcncan	gnccnnttaa	gcnnntttct	gtcttatcac	120
ncagngaant	aanntgaact	ggatcngaac	natcccatat	tanccgatcc	tttnctcnaa	180
tgaaagaaaa	nacntannna	gaacanatan	gctnaaactg	atacagnaag	tngccgtcag	240
cctctagaac	tatagtgagn	ngaattgncnt	acanccanac	ntgatnanan	acattgatga	300

gtttngncaa	accacatctn	gantgcantg	aaaaaaatgc	nctattcgng	aaancantga	360
tgctattgct	ttanttngga	accattataa	gctgnnataa	acaagctaac	aacaacnatt	420
gcattcatnn	natgctncag	gancacgnng	aggtnagga	ggnagtgtaa	ttcngggccn	480
cggagccaat	gcattgggccc	cagacccacn	tntgaccctn	tagtgagggt	taatggcgcn	540
cttngcgtaa	tcatgggtcat	agctgcttcc	ngcgtnnant	tgatanccgg	tgcaatntca	600
ncacatacga	ccgggacata	aagtgaagc	ctggagnanc	ctaangaagt	gaccaactca	660
cattnatngc	ctgngntaac	tgccccnttc	cagtngggaa	accnnnnccg	canatgctta	720
angaatcngn	caccgcgccc	ganaggcg				748

<210> 4846

<211> 704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(704)

<223> n = A,T,C or G

<400> 4846

gnnttnaaan	nttgcttggn	nnnnncnctt	tccgcaggat	ccnanncgat	tcgaattcgg	60
cacgaggtnc	agctcnccta	nctggnatnt	gggnngtnng	aaacatncnc	tntcctgata	120
ccantgtgcn	ngaatacnga	nacatangcc	attacacngc	gtctatgcaa	gcttgacat	180
aaantcangt	actgcagctc	acacaccctn	tgcnaggcng	aatnantngn	tctgcctccg	240
gatacnaana	atntcggctc	ngcctcagng	ctaataatcn	tnatgtngtg	tnctnnagta	300
nntgctgtat	ctgngtggtt	tntntgcaa	actctagnta	ntgatcttat	gatcccttnt	360
ngaantaana	tggggttctt	gantgnctga	gaacgacttg	cacaatgngt	tnattgtggc	420
acgtcatctn	ncaatganta	nnnagnctat	tnnccanggn	anactcngnt	cntacntggc	480
nctaagcaact	ntnttgncga	tngncancnc	tctgtgaaat	ggaattacng	ntattcatgg	540
ntaattacnn	atnttgcccc	nctttctgtt	tnacaatga	aggcttaaan	ctaantgtcc	600
aaantgnata	atgntccctt	aattanaagn	ctacttcatt	caagtganaa	nngnccgtaa	660
tnaanncnta	ctctncnact	gcataatatn	nnccnagga	ctnn		704

<210> 4847

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(758)

<223> n = A,T,C or G

<400> 4847

agntntttcn	atntctnatn	ttgttctttc	tgcaggatcc	catcgattcg	aattcggcac	60
gagagcagct	taagcagcag	acgcaaaatc	gaatgaagct	aatggccgac	aactacgagg	120
atgaccactt	caaatectcc	cattccaatc	aaacaaatca	caagccctcc	ccagaccaga	180
tcatccagcc	cctcttagaa	cttgaccaaa	atagaagtaa	attaaagttg	tacattggac	240
acctgacaac	cctctgccat	gaccgagacc	ccctgatcct	ccgtggactc	actccaccag	300
cttcctataa	cttggacgat	gaccaggcgg	cttggggagaa	tgagctgcag	aagatgaccc	360
gggggcagct	tcaggatgag	ttagagaaag	gtgaacggga	caatgcagaa	ctgcaggagt	420
ttgccaacgc	cattcttcag	cagatagcag	accattgtcc	cgacatccta	gagcaagtgg	480
tcaacgcctt	ggaagagtcc	tcttgaccct	gctttatggg	gaagcctgag	gtagtcaacc	540
caggagccaa	gaaaagagaa	ctacgaggaa	cagggtcccc	gaaccttctt	ggcaccaaac	600
actacaaact	tcataccaac	ttgtctcact	gaagaagtgt	gattncagca	cccgtttcta	660
catctgccat	cttactctgc	ctttctgctt	tggtatgtgg	ctctacacta	accttnttga	720

tgtccanggt agatnaangg tcgaatcttt ntgnaaaa

758

<210> 4848

<211> 1030

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1030)

<223> n = A,T,C or G

<400> 4848

gcgtcncact	ttgaancntc	naannngggg	caatcnaatc	gcncnangnn	nctaggtann	60
cgaattcggc	acnagagcag	gcgcttggn	cctaagggtg	atggttagagt	agtgattatg	120
gtcagcgtgg	gtgctatncn	ngtgttnnag	nttttcanct	ggnggaatag	ctacaataag	180
gnaatcagct	acctagccac	agngcccaag	tnccgtntcc	aagctacnga	gattgccaag	240
cancanggac	tgntcaaaaa	agccaaataa	aaaggcnaaa	acaaaaagtc	caangangat	300
atccngacn	aggangagaa	catcntaaag	aacattataa	aaagcaanat	antatttana	360
gggtgnctan	tcagnaacnc	caaatanntg	gnatcntcct	ctgtatnana	tcaatcctag	420
ctcctntntn	cctatnctca	tatccnann	tggcatangt	cnggagagat	ctacnntttc	480
aacatcaanc	ggntnnnnat	tatggnanag	nantnacaga	tcantccatt	ctacnntaaa	540
tctatnaccn	ngtnnactnc	tctatttnaa	tnnnactatg	aanatnctct	naactaaanc	600
ntttcnttta	nnnnaaaanc	ctcntgnnct	ncatggnnnn	aattntttac	ngtccttncc	660
aaaccnncna	nacacncacn	gancntaatc	ttcacaanta	nnaacantct	gngetnanct	720
cgaacncccc	tnaattggct	naccannatc	ntccactggg	atcatnccgt	antggantta	780
aanngcaact	cggntctctg	nggnctnctg	nattncaann	atcnnnttgc	gnntatttnt	840
cttgacacaca	atatannctc	ncgnaatttn	ncntannctt	nnnnctctca	aatactctct	900
ctanacatag	agcaattann	tntctgatna	tactntngac	cncgtcanc	acnacngnga	960
caanannata	tcattgtaca	ttcatntatc	tgtngacttt	acnacagtcc	cngccaatnt	1020
aacaaacnnt						1030

<210> 4849

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 4849

cnttncctna	ncaggatagg	ccattncnt	ttntgcagga	tcccatcgat	tcgctgtcc	60
gagagagccc	cgctcacggg	gcacagctgc	tacttttttag	gccntgctgc	acttccggac	120
ccactgcttc	aactggcact	ccccacgta	cgagtatgcg	ttgagacatt	tgtacgtgct	180
ggtcaacctt	tgtgagaagc	cgtatccact	tcacaggata	aaattgtcca	tggaccacgt	240
gtgccttggg	cactactgaa	gagctgcctc	ctggaagctt	ttccaagtgt	gagcgcccca	300
ccgactgtgt	gctgatcaga	gactggagag	gtggagttag	aagtctccgc	tgctcgggccc	360
ctcctgggga	gcccccgctc	cagggctcgc	tccaggacct	tcttcacaag	atgacttgct	420
cgctgttacc	tgcttcccca	gtcttttctg	aaaaactaca	aattaggggtg	ggaaaagctc	480
tgtattgaga	agggctcatat	ttgctttcta	ggangtttgt	nggtttgcct	gcagttttga	540
ggagcaggaa	gctcatgggg	gcttntgtac	cccccttaaa	aggagtcnnt	attctganaa	600
ntnngaactg	aaacctttnt	aatcttctcan	aaangatttt	attngaanaa	ggncnnanc	660
nccnaaangg	aaaacnnnnn	tnnaaaannt	natnantttt	tgaaagnnnt	ngnnttnnaa	720
actannnnng	nnnnncnaaa	ccaancnnnn	nnnnaanacc	n		761

<210> 4850
 <211> 863
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (863)
 <223> n = A,T,C or G

<400> 4850
 ttnacatcaa gctcttgntn ctanccctt cctcgattcg aattcggcac gaggagagag 60
 agagagagag agagagagag agagagagag agagagagag attnagagag agagagagag 120
 agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 180
 agagagagag agagagagag agagagagag agagagagag agctnaaggg aaggctgccg 240
 ggaaggcaaa tggaacagga atggacctgt ctcanagagg ccagctgcan gtcctccaca 300
 aaatcaaaga aggggaagaaa ctctgagttt gaggtacagg ggcttcnggg tgcacacgtc 360
 cctccagggc ccatgggtcag tattgcacct gtgttatgaa ccccatatc tgtgcagggc 420
 agggggcggg gctgctgttt tattggggag gggagcctcc taaaaatggg gtccaggcag 480
 acccctccag acctcacact gncgaggagg cctttcccaa aggggcgttc tccccgggat 540
 gcanaccgna tgttttgtgg gaaaccnccc tttaaatacc ccacaccgac gtattccttg 600
 tccccgactt tttccgggt tntttgtttt gaaaaatacc tgttngtttc angcctcntt 660
 ggatcttaaa atgggcaana atagggaacc tttttttttg tcaccaaaaa aaatacctgg 720
 ggggggaaaa attgtttgtt aaaaaataa gacntttttg ggaccaccac caacnttttt 780
 tggggggcct tccacctga anctttccaa ntttttttta aaccatgggg anttttattt 840
 aacnttaaa tgggttttct tgg 863

<210> 4851
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (761)
 <223> n = A,T,C or G

<400> 4851
 cgcgggcgna agcgnagcnc ttcccaacnn ccttggatec natcgncctg aattcggcac 60
 gagtatgggc ttgnagaaat gctaccgttt ttttncctgt tnanacntgg atcccgaaac 120
 tgnactaacg tnnagtatca ggcnaaatgn cnggaaaggg nnggcttatg naggcaacta 180
 cagatagttg taagggatca tacagaagat attgatgata gnngaaatat tcttagaagg 240
 ggtgtgtatg tctagctgng tctacctgt gtatgtattc ttgacaagca gtataaaata 300
 cctgtgantt ttctttacat tagggataat gcataaggaa ttaatcttca tatatattat 360
 catcccta at gtagcagggg gaagtattta attgcccag atagtatttt tacttatact 420
 atgccagaga ggaaacnata aagnaattac acatgtaatc ntgggttntt cacatatgta 480
 ggtatncatt tngagtaggt tgaagaaaga aaaaaaatat ttaaatgaan tgaattcctg 540
 atgggatagt ancaataagt atttaaaagc cngtattcna aaaataataa agggtagcgg 600
 catttttgag cttgnnttc ntttgctacn ggaaatantc caaannaaag ngntancant 660
 ggcaccngct ggncctcaacg cacntatttg naaccgcact gganaggatg aacaaggggt 720
 nagncaatag caaaccccta taacattccn ggccaaanac c 761

<210> 4852
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(779)
 <223> n = A,T,C or G

<400> 4852
 ttgaaccttt ntacantctt tgtttttttt gcaggatccc atcgattcga attcggcacg 60
 agaccaagta gaccagaaac tgaccattct cagtcctact tcagaaaaca acaagaagct 120
 tttcaatgat ctgttttaaaa ataatgcaaa ccgtgctgaa aatacagaga gaaagcaaaa 180
 tcagaattat tttatggagg tgatgactgt agaaggagtc tatgattacc tgatgtatgt 240
 aggacgggta gttttccagg ttctgactg gcttcatcat ctcttaatgg gaactcgaat 300
 cctctttaaa aacaccctgg aaatgtatac tgattactat cttcagtgtg aactagaaca 360
 gctatttcag gagcacggtt tgggtctcact cataacactt ctcagagatg ctatattctg 420
 tgaaaacact gaacctcgct ctctccaaga taagcaaaaa ggagcaaaac agacttttga 480
 agaaatgatg aattacattc cagatctgtt agtcaagtgt attggtgaag aaaccaagta 540
 tgaaagcatc agacttctgt ttgatggctt acagcaacca gtactcaaca agcagctgac 600
 ttatgtttta ttggacattg tgatacagga actgttttca gagctcaata aggtcaaaaa 660
 ggaagttacc tctgtgacat cttgggatgt aaacactttg ggatttggtg tagaataacc 720
 cattgaaatt tctgctgtgc cgaagggtgt agaaatttac ttttttggtg atatcttat 779

<210> 4853
 <211> 825
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(825)
 <223> n = A,T,C or G

<400> 4853
 tttccagttt tanttttttc ancttttnga tcnntttgca ggatccntct tttcgaattc 60
 ggcacgagat tctccctaaa ttgtngatcc cactgtttac naaactgttc tnttgtgctg 120
 gcntgctnan tgctntgtag nncctttctg nacnntaggc attgctcttg gagaacnnga 180
 tgtgctttnt ntnaaanggc anaccagnn gnnttgnnt ttaatgatgc agancctnac 240
 tttatccaca cctggcccgt ttnacatttn agtaangnac gatatttggc tgatggctga 300
 acantttctg aaatacacnt ttagtgtatg gaantacaag accnntaaag gnctgccagg 360
 ttancatctc atctngcatt cnnntccttt ggcnaaaag gganatntca gaattatatt 420
 tcttgatggg gtcttttcaa tcantgtatc tgtcgaaann tcttaganaa anctatgtgn 480
 tcncggtgtt gtctaaaaan atnctttcaa anatgacccc tggaattncc tgananange 540
 ttaaacgtga gaagacnggt nggcaaaaca ccctncaag gttnttggn angcccnant 600
 ntgttttgc tgcccatat aancttngcn ccattnaagc cncggngag ctttgnatnt 660
 atattngngg ngttactttc tttgnnctt tgcggggaac anctttnata atgcttntcn 720
 ncccnanntg gacntttgct ttttgnnncc nnaccccccc aaagggngcn cacctccant 780
 gaaaaagtct ttttnnaaaa gggctccttn ctnaaaaaaa nnnnt 825

<210> 4854
 <211> 1090
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1090)
 <223> n = A,T,C or G

<400> 4854

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gaaagggaagc acgcaaagca actcccagca gcatcccagc naaangccca gaggaaggna      60
cnnngcagna cnaccncnc gngcacgcgn ttnttttccc cagtaggn gnacacgcca      120
acnnnnngggg nccncngga caagaggcng ancccaaaac nngacagggc aaggaccenn      180
cagacncggg gangngacc agagcgcggc cnagcgagaa acagccngcn accggnaggc      240
canaaanacan gccgctgaag ggancgggc tccggccnta aacnccanca ctgacacgac      300
ccagcaaacc ccncaagagg aaaaagaccc ccaagggnna aacacaagcn nagggcangn      360
ncacggggga ccccgaccg ncnancncgg ggaagccngc cgnangaacg gganangnca      420
cnangggngc ataagaccna ccacncaggg ccnaccang agaaaaaan ancgnacnan      480
aaaggncaaa ccgcaacnc ggaaggggca cccacnaagg gggaaccccc naangggctc      540
gnaccgggag ccantngcca aagngngncn cccncaaacy acccgggggg ncnaaacccc      600
cccgggggcc anccacncan ggggggganc cccaanggan ggcaaagccc ccaaagcccc      660
nccgggggca acccaaaan ccnnggagcc cngngnccca naganacngg aaacccgggg      720
gacgncacca anacncagac naaaaaagcg ngggancccc caaaaaaagc aaanngcaca      780
cnccccgag ngnaccnang ncaanggggg naaagacaaa anagaccccn nnganaagan      840
ccccnnaaag gccccacggg ggaaacnngg gacncncagg ggnccccccc nggggaccnc      900
gggngnggcc nanaaccnc aaaaaacggg ggaaaacncc cccccccana aaaggccac      960
nggacnnana anccccccnc ccngggaggn nncccnaccn cccnngnnc cnangaaaaa     1020
cnanannggg gnaaaaaacc cnngggngnc caaaaaaagg gggaaccn ccgagggggg     1080
ngannccgc

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<210> 4855

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (779)

<223> n = A,T,C or G

<400> 4855

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gctaanngcn ggctactngt tctttttgca ggatcccatc gattcgaatt cggcacgagg      60
gntgggggnt cngcggncnc gctangnnng ccatacncaa tntnnagagt ctanngnntg     120
taannttgct gcttatatgt acctgtgctt atattcganc ctngnnncnc atncttctgg     180
acngaagtaa gactggattg ttgggtatat taggggnann gtgccagaga tcngtgaacg      240
gcanagncct tatgtggccn antgcngtgt aatantggcc ttaagnatcc tnttcanaca      300
nnagctgnnn aaaatgccnn antgtagcan ncatnntatn agnttgnaaa canngactgn      360
cngcccanaa taanggtggt gatgttgaac tctggantct nccaacattg ngtgaganan      420
attgncngan gctgtantct nttttaatgt gatnggncca atgnnctgta taaaccntta      480
ngatgtaccc ntnnatatt cngtaccnnt natcctcagt antgtcacta cagtatcaca      540
tantgcatat gttatcctgt tgtancagat actgaactta gtgaggtntc nctaaggcac      600
ntagananaa ancaanntg gttanntnct nncgtatctn tcactgtgan ttgcanatga      660
tntantcttt atanaatgng anccttttac cggncctaant tttnaattaa aatggctnat      720
tntgtgttga taaaaaaac tcgagcatat tnnaccctc tngaactata nttgagtcn      779

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<210> 4856

<211> 1776

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (1776)

<223> n = A,T,C or G

<400> 4856

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taaaaannnn	acttttgggn	gaaangnngc	tgnanatan	cggcctnnng	ngananagng	120
agtcgngngg	ganagnnggn	tgnnnnnnng	agngatatag	gntanganta	gtananggat	180
anannagca	gngaacngta	gttttttttn	agngaganan	nngagnnaan	aggnanacna	240
tnanaganng	ggggggggcg	caanggggtg	nnaaggcgag	anncnaactc	gnannanaan	300
tgaaannnnn	anacngtggn	ananantgag	cgnngatnna	tnnntgcaan	ncataagaan	360
tnгнаатgna	nnntgnnnng	acaaannnct	ncganagnnn	gcaagngaat	ncgnancnna	420
cnnnagngna	gaagnagtgn	nangaccnnn	aanggantnc	ngagagggnn	nanaaggatg	480
nnnnnnnnnn	gnaganngnn	gaananaaga	ggagacnaac	tatannagnt	agnntgncna	540
nngnaganna	nanaagcnga	naganannnn	tgngagnann	canangnggn	anntaaagnn	600
nnannacgta	tangagntgt	gtnagaactg	aaganaanna	ncacgnaaat	gaanaacatn	660
cnnngancna	nnсgaangaa	aatatcacgc	tganngnaga	tagatanacg	ctcnnatng	720
anncagtnac	tgtganatct	gcganangac	ancacngnna	gntnnacnac	acagatgnan	780
gctnananan	gnagcagagt	anaagacnng	gagnngngtn	cgcanatatc	gatatnaagn	840
ntacganagt	gannananga	anantgantn	aggataacga	nnagnnnngt	ntatnngggg	900
tanaggngag	agntanantg	ctgcncncna	nannannгаа	tncagcgcn	gncgancang	960
nnanaatngg	gnannagan	anantgtann	nanagcaang	ntannagtga	ctntnnngta	1020
atngatngag	nnagnngana	tgagtgtctt	gncnntagcg	aganantacn	ngaatntnt	1080
anagagntgt	agagnagcag	cananannan	tntcngngtn	naangtagag	agcganggan	1140
actnnntagt	atanncagan	acgangangn	gggtgtgnann	cggagtgtag	agncgattag	1200
agagnaaacn	nngncacggt	gtatnanaga	tnngagacang	angagaactg	cnnacaagna	1260
nnannnaat	angtacnnaa	tgngancata	agtatnacac	aggtnactnt	atanngnnca	1320
tcaacgcncg	antntanaaa	cnntagnttn	acnannnaag	ctacgttctn	nncnagaaga	1380
agnactnnan	ganntngagc	ngcacganaa	gtatcgtnng	aacgagcant	cgtnnatgag	1440
anagtanaca	ngcaaanagg	aagnnnagna	acagtcacan	gncagangaa	acatnctcac	1500
nngnnantta	ncgnnganac	gtaaatgtag	acacgnagga	gatnaannng	atatgangga	1560
nannnaaaga	gtanatgcgt	antngnatna	gananganan	aagtnaagag	antgacnana	1620
tanatgatnt	anganagacg	ganganataa	tctggaagcg	nggaanagan	tagagatagn	1680
ngaganggat	cnngtanaca	gntcnnngnc	nnctanatga	ganngnncaa	ctgtntatac	1740
gatntannna	ggnagatcaa	gaatatacnn	tctcct			1776

<210> 4857

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(747)

<223> n = A,T,C or G

<400> 4857

gttaatctct	agcnaggctc	ttgntntttc	tgcaggatcc	catcgattcg	aattcggcnc	60
gaggttaana	gaatnaaaaa	gaatgattga	agccttcgag	acatatggga	tactataaag	120
ccaccacata	tttgaatcat	ttgggtccca	gaagacagag	aacaaaagga	ttggaaaact	180
catctatttt	tttgttatta	aataatagat	gaaaacttcc	caaactctatc	aaatgattta	240
gatatccaga	aacaggaggc	tccaagatcc	gcaaacatat	acaatgcaag	aaagtcttct	300
ccttggcaca	ttatagtcaa	actatctaaa	gtcaaagaca	gaattctgaa	aaaggcaaga	360
gaaaagtgcc	tagtcagttg	taaagaaaac	cttatcaggc	taatagttaa	tttctcagca	420
gaaaccttac	aagccaggaa	agaatgatac	attcaaagta	ctgaatgaaa	aaaatgctat	480
ccaagggata	ctatatctag	caaaaatatt	ctttgttaact	gaaggagaaa	taaagctctc	540
cccagaaatt	gcttaaggga	gtcctaatac	tgaggacaaa	atgactacat	ttaccatcat	600
gaaaacttat	gaatgtgtaa	aacctgctaa	tanagcantc	acacaaagga	ataagggaaa	660
gtaattaaat	ggtcctgtac	nggaaaacca	ccaaccana	attggaanaa	anaattnanc	720
ttnaaaaaacc	tcgagcctct	tgaactt				747

<210> 4858
 <211> 1197
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1197)
 <223> n = A,T,C or G

<400> 4858

aggggtttac	actnctaaaa	ttnttgagct	nncgntgggc	gnaaaggggg	cnccttaaaa	60
naanttaagg	ccnccctnaa	aaanaatcag	ggannattnt	gggggggctt	tgnggggggg	120
gtcatctatc	nnnacaccnt	aantntatta	cmcatagata	ctcaattnc	ntctctagna	180
natnnnngga	tctttntcgg	ctntnnancc	netcctacta	ttactnctna	aacgtnccnn	240
catantctnt	ntacacatat	atctnanata	ctatacatat	antntcatan	tnntactact	300
ctnatntctc	ntctacatct	ctanttatnn	ntcnntcnct	ntctnctnct	tantctcata	360
tctnnacgac	nnactatttt	tnctccnntt	ctnctntctn	cnntnttanc	cccnatnann	420
atctntcacc	atnnattttc	naatacteta	tctattantt	aactatctnc	tnnttcnnnc	480
nnntnnnnct	atnnnncttc	tananaactn	tcnctnnnc	tnntnnnnnn	taantcnntn	540
cnntctctnn	tnnnnnntnn	tgnnnancct	nactaanntc	ntcnntcnct	ntnattanna	600
nattntntaca	ntcnctccct	ncanctnnnn	nattntatan	tctntntncc	nttccantnt	660
anatntntn	nctancnntc	nntaattcaa	nattnatntc	atcnctnnnt	nttnancaat	720
nacaatnacc	nccanntcac	ctaatnttna	tcncatacna	cncnnnnctn	tancnnata	780
tnactncnnc	anttcnntnt	natctctnnt	tnacacactc	cnngantat	actnntnaca	840
cttcttatat	mntntacntg	tnatacactc	tnacntana	tatnnatcan	actnatanaa	900
agcatactat	catcttacct	nctntnatat	accatncacc	aatcacttan	tnatnctac	960
tcannacanc	tccacatatn	actcatcnct	aatatgtctc	tataatnntn	catctactca	1020
ntcacnnnna	ctctntagat	atatnctata	ctncancnta	tatntatcna	ttcatctaca	1080
nantancn	catctnttgn	nctatacnat	aattgtntct	catatntntt	tctcctacan	1140
ncctttatctc	gatnnttatc	ntgtancn	nntntatcta	natatnacat	atcacat	1197

<210> 4859
 <211> 767
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(767)
 <223> n = A,T,C or G

<400> 4859

gaaanccct	ttgttactnn	gtncctttttg	caggatccct	cgattcgaat	tcggcacgag	60
ggggattcat	aattccagac	aggtagagaa	cggttttatt	tatgtagaga	cagagtctcg	120
ctctgtcgcc	cagctgaggc	ggggagaatc	actttgacct	gggaggtgga	ggttgcgctg	180
agctgagatc	attacactgc	actccacctg	ggcaacagag	tgagactatg	tctcaaaaaa	240
aaaaaannaa	aaaaaaaaact	cgagcctcta	gaactatagt	gagtcgtatt	acgtagatcc	300
agacatgata	agatcattga	tgagtttgga	caaaccacaa	ctagaatgca	gtgaaaaaaa	360
tgcttttatt	gtgaaatttg	tgatgctatt	gcttttattg	taaccattat	aagctgcaat	420
aaacaagtta	acaacaacaa	ttgcattcat	tttatgtttc	aggttcaggg	ggaggtgtgg	480
gaggtttttt	aattgcgggc	cgcggcgcca	atgcattggg	cccggaccca	gcttttggtc	540
ccttttantga	gggttaattg	cncgcttggc	gtaatcatgg	catagctggg	tcctgtgtga	600
aattgttatc	ggtcacaatt	ncacacacat	acgagccggg	acataaagtg	taaagcctgg	660
ggtgccta	gagtgagcta	ctcacattaa	ttgcgttgcg	ctnctggccg	ctttccaatc	720
ggnaacctgt	cgngccactt	gcnttatgaa	tcggccacnc	ccggggg		767

<210> 4860
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (761)
 <223> n = A,T,C or G

<400> 4860
 ngnntttaag atcannccaa ggcgttggtg caggatccct cgattcgaat tcggcacgag 60
 gaccacctac ggaaaactga ggcccacata agctcgattg gttgtacctc caacagatat 120
 ttattaagca cctactaaat actgagccca ttgcaagcac caggaagcc tctgtgaaca 180
 gcacaaggtc cctgctctgg agattctgct tcagtgggtg agacagaaaa taaacagttt 240
 cccgtcacca attttccttg gaattggaca gatggcagcc accataatga tactatatgt 300
 gtccaagcta aacaaaatca ttcacttccc tgattttgat aagaaaattc ctgtaaagct 360
 gtttcctctg cctctcctct acgttggaag ccacataagt ggattatcaa gcacaagtaa 420
 attaagccta ccgatgttca ccgtgctcag gaaattcacc attccactta ccttacttct 480
 ggaaaccatc atacttgga agcagtattc actcaacatc atcctcagtg tctttgccat 540
 tattctcggg gctttcatag cagctgggtc tgaccttgct tttaacttag aaggctatat 600
 ttttgnattc ctgaatgata tcttcacagc ancaaatgga gtttatacca aacagaaaat 660
 ggacccaaag gagctagggg aaatccggag tctttctaca atgcctgntt tntgaattat 720
 ccaacttctt attattagtg gcttcactgg anaacctgnc t 761

<210> 4861
 <211> 984
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (984)
 <223> n = A,T,C or G

<400> 4861
 tgngnttttt taaaaaccag ctacttntta tnaaggcagg cnaccgattc nnattgcggg 60
 angancatng attcngnccc ctgcatgatg gtggcngaac tnnntgcca aagtggggcc 120
 tggganccca acaaccccaa cangccgncn cggtnaaccn acaatatcaa cccgcaaacc 180
 ccagggaagc cggccatgta caacacagac cagatctctc cctatgctgc cccctnccca 240
 caaggttttc tnccanccca tgcccagccc ccnagctac caccaagtgg tgccaanccc 300
 agcangctac catnaatacc cantcccat ncaggctccac cntacaccgt ntaccatggt 360
 ctatcaggct atccccancc cgagcnccgt ttggctacag gtctatgaca acctggnagc 420
 tccctntccc atggnggggt anaaanccca acaaaactgc tcaaggcttn aagggtattn 480
 tgaagcgnga aaantttcgg gcagaacttg gggtnnacc nacctgggnc antttntaag 540
 ggtngaaaan ggttgccggg gggaanaacc ctttactcct tgggaattaa cnaacnaagg 600
 gttgggggtg ggggaacaaa cnaacaaagg gggnggggta antcccccc cngtnnggtt 660
 nnacnngggg tcccccttg ggggggcccc caaaagggtt nggggnangng ggttnggagc 720
 caaggnaaat tncnctnttt ncctttnggg gtancccccc ctttaaaaact tngggaagaa 780
 aaagaaactt tnnttccna aaattgggtg naanagnccc ccaaaagnng ggcaaaaagc 840
 ttggggattt gngggaaacc ntaaaggggg aaagggggag actttttnaa ancccaaagg 900
 gangncttt taacttgatt taaacggggg aaannaangg agggnttnt tggggaaagg 960
 anaaantttt tgccaaanaa ccnc 984

<210> 4862
 <211> 772

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (772)
<223> n = A,T,C or G

<400> 4862
 ggnnnggttt anancagctc tngatctcng tgcacgancc ctogtttgna tgatcnnatc 60
 gattecgtca ngtcggntgc ctttatggg atnactttat tttatttnat tgcattatna 120
 tatnatnttg agacagagtc tcaactctggn acccangctg gantgcagtg gccggatctc 180
 ggctcactac aagctctgcc tcctgggttc acgccattct actgnetcaa cctncngagt 240
 anctgggact ncaggcgcct gccactgggc ccggctaagt tntngtattn ttagtagana 300
 cagggtttca ccatatnanc caggatggnc tcnctctnnt gaccttggtta tctgcccgcac 360
 tngacctncc aaagtgcctg gattacaggc gtgagtnacc atgcccagnc tcaagtaggt 420
 tttgaatgaa tttctcatac ttttaaagta caacattatn gcaataacag gactattnca 480
 cttcttttct aatttgata atggatagat natectaagt gtnatangat ggctcaacct 540
 ccgtacaatg gtgaatccc nntcagtna aatctcgcc nggtgtcaac cttgaacana 600
 agccctagt natnaccatt tngtgnatta gcctttggtg ttnagttttt caccttggt 660
 taactgnnng ccttaaacct cnttnagctc aagtggaccc tccnacctt taaccggccc 720
 cgnattaagt tgggggancc atttgggcct ttgcngcna cccngggccc cc 772

<210> 4863
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (848)
<223> n = A,T,C or G

<400> 4863
 nnnnnanngg nttttatnct cngtnnnnccn ttttnnaan ggnangcnac tggtnccaat 60
 gcaggacca cnatttnaat tcggcacgag anggccttan gctttttttt tgtagggtga 120
 gagtggggga gagatctctt gctctgttgc ccaggctggt ctccagctcc tggcctccgg 180
 cagtctccc acctcagcct ccagagtagc taggattatg ggcagtagcc acccaccta 240
 gccaggcttt ttatattgag ttggttatat atgcttcata gccacacttt ataattttg 300
 agtatagtat taaattacag cttgttgtca agtcagngtt tctgtaagac agtatatnca 360
 atattggnta gagtaacacc tatttggtga tacaagatca acagggtgtc tctgattaat 420
 ttagctccta catagcccag aagcnagtcc attatgattt agaattattgt acatggttat 480
 gcaagggaatn atnccaacct atntgtgttt atanggtcag atgatgttca gatttatatc 540
 tgctgatagn gntntnttgc ngggaaaacc tataaaaccc cttcngactt gttanaaaca 600
 gtgagnaaag ccnngattgg aaatatntaa ttacaaccct cgtgggnatta aaatttttnan 660
 tttaccattg ggaatgggta aaatgctnng ncattttgna anntttgtta aaanccttgn 720
 ntcctttaaa aacnttttga aataaccctt gntctanggg gaaaaaangt atttnnaggc 780
 ccnaaaanaa atannanang gggaaggngg ggggattttt ccaagtnccc cntatgttt 840
 gggggggccc 848

<210> 4864
<211> 769
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (769)
 <223> n = A,T,C or G

<400> 4864

tngccttang	gtnncccttc	ccatgcactc	ccacggaaan	gccncccat	cgtangcgca	60
gcatccacat	gaacaggcgg	cgccgaaggg	atcctgcccc	tnactctcnt	tttctgttga	120
accatctgga	attcacaggc	ctgtcatgag	agacacgatg	agaagtcctt	aaaggtagat	180
cactgattca	caggggagca	ggcgaggcca	agggtagatc	agtgcttgga	actcagtcac	240
ccagatttgg	ctctggaaac	ttctgaagct	gtagcctttg	gggatccctg	actgcgagta	300
caggaagcca	acgctatgtg	gtcttctgga	aactcattat	ctttttcact	ggtgctatct	360
gggaaaaaca	gatgaaaacc	tgaaggtgtt	ctgtatgtgt	gctttcaaaa	gcaaggatct	420
ggccggacgc	agtggctcag	gcctgtaatc	ccagcacttt	gggaggccga	ggcaggagga	480
tcacctgagg	tcaggagttt	gagaccagct	nggccaacat	ggcgaacca	tctctactaa	540
aagtcaaaaa	ttatctgggt	gtggtggtgg	gcacctgtaa	tcacagctac	tcaagtagct	600
gaggcannaa	gaatcanttg	aaccaagag	gccaaagttg	cacttgagca	caagatcaca	660
ccactgcact	tcnacctggg	tgacaagaat	gaaacttccg	nctcaaaaaa	aaaaaaaaaa	720
aaaactngac	ctntanaact	atagggagtc	gnattccgta	anncngacn		769

<210> 4865
 <211> 717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (717)
 <223> n = A,T,C or G

<400> 4865

ggnnntnaaa	tatcagctct	tgttcttttt	gcaggatccc	tcgattcgaa	ttcngcacga	60
ggtctangnn	gatgtctntc	naatcatggg	ntgtccntnt	nttttgacac	agggccttgn	120
cttattgctc	angctngagt	gcagtnagct	gtnatnncac	tgctgcncct	cngcgnannn	180
gtnanaatan	tactctgnnt	nngannga	naantanatn	gntaccnna	naccaactct	240
gtctaaatgg	aaaagatgga	tnatnaatct	tagncttnat	agaacnntga	gattntcaan	300
nggtgcgang	cacagtgtct	attnttncat	cctatcacaa	gacncgtnta	acctntaacc	360
gtnaacaana	tgnaatcgnt	gtataaaaac	aatnncgtg	nttaataggt	gactgactac	420
agtagccttt	naggagtcca	nagncactta	ttcagcctga	tctttccaca	tacactacat	480
tgnattgtnt	aanattcnta	naaattactg	cgnatcttan	ngctttaanc	ctnatgtagt	540
gactgntgct	atatctggaa	gtatctntaa	anagtttgct	gggnnttnct	cactgcttaa	600
tntactaga	cntatncatc	tgcttatcnt	atcacttngc	cnnnatgatt	actgcaccgg	660
tntacgaaaa	atnccattan	tgattaaact	tttaaggnc	aangaccata	tntnnng	717

<210> 4866
 <211> 1403
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1403)
 <223> n = A,T,C or G

<400> 4866

gngacgttgc	aaaaagcctg	gggtttccaa	aagccttggt	tgacgcccac	cgcttgga	60
gccgttngcn	aacgcncna	cacgcgnnac	nngnncnact	gagacnagca	anggtgncaa	120

nggncagann	acaaggangg	agnctnnntg	nacgcgcggg	ttnnnccggg	ggnancnang	180
ggggggagaa	cnnnccgggn	ggnanaatng	ggcnggnng	caggacncan	ngcanatncg	240
aaagnnnccn	nggnanccgc	agnccggngg	acangcgnc	gancnnggan	nnagnnnang	300
agnnaggaga	ggngngcccc	anggagannn	gnacggacnn	ggagnganag	ncannncacn	360
cacggngcnn	aaganaggga	nanncnngnn	gcaaaggggc	gagnaannng	ggnantnann	420
ganagangan	gannggagna	gnnnagngan	nannggaggg	ncncngnnag	tgcatacaga	480
gaanagcgac	nngaagcgaa	aacgccacaa	nanggcnncc	nnngngcna	cnnnganaga	540
ncaacncggg	nanncagcng	gacgacgagc	agcanancgn	caactagcan	aggananacg	600
gaannnggcc	ncantcggcg	agnanaaaag	aaagccacng	cnaaacgcac	gnagncacna	660
nacgaccnca	gnggnncacg	gggcanacag	nnncgacgg	cngcnannnc	taancagacn	720
cacagcgcaa	aatggggga	gacatgacaa	nnngacagc	ganacaccac	gacaaacgcg	780
cnggcananc	anagcgccnc	ganaggacng	acggngaaac	cngcgacagc	nccacacaca	840
agcncagaga	ggnnntacac	nctagngaca	ngagaggngn	cngggnaagc	gcacgagaac	900
annaacaccg	acagagcang	agcgnnnana	gcaaagaccg	gacncnagna	cgccnanang	960
acacggncng	nagacannag	agnannagng	atgnggacan	aacggngccg	aanagaagac	1020
gnacanecga	nngaccaaan	gnacnnannc	accangagaa	gaagagnaga	acgnacacgn	1080
acnagcacga	agaccacnga	gacntgaccg	cgcacagaga	agcacngggg	gacgcccana	1140
gaaaanaang	agagctgcgc	anagagcaca	gaancacgat	gagaacggnc	cnaaacgant	1200
ncacgccccaa	aacagganan	nctgggggca	nacaanagag	agcaggtagn	caanacngnc	1260
gaanagnccg	agcanagaga	cntgggngng	ggagnagcag	ngnnngnnca	nccagaacaa	1320
gaaagnngga	cagnacngcn	angcantagn	nanaangnaa	gmnattnnng	gntngncagc	1380
gaanngtnaa	gcggagngnn	cgg				1403

<210> 4867

<211> 1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1019)

<223> n = A,T,C or G

<400> 4867

gngggnnaaa	nnggctttta	aacatacagn	ctacttggtc	tttttgagg	gatcccatcg	60
attngaattc	ggcacgagg	ccaccgaaga	gggcaccagt	gtcttgtcac	ctggactnca	120
catangacta	atnntgntac	tggcaataan	gatctatana	angtcngcna	ctgatgtgta	180
tgaagagcat	acntgactnt	atatncta	gtngggatgt	ganntncta	aagtntnaca	240
ataattngtg	ntancatcac	atgaccaann	gttaactant	atcttgagga	actgacttt	300
ntggggccat	antnttttga	ttttanacca	agaacntnta	atnatntgta	tcccaaatat	360
gntgctcctt	ntgnganagn	ccaanggctg	atttncctnt	ncatcttnna	tnnttggttg	420
ancacetaan	gaggtagtnt	tctngnnggn	cctngnaaaa	antnttccan	aanantaccc	480
gtgtgcntcn	ttanaatnga	ntaattgtcn	naaaattaan	ntaggcnntn	gnnncaaaan	540
naaaaggcct	cccccttgaa	aaacaangtn	attttgaaan	aangataaat	cnntntnnag	600
ttnatcannn	nanannnana	tntgtcnaat	ncnntctana	tttntaccn	nnntntagta	660
nnattcntaa	aanntanaga	cnnttttccc	tnntgaagna	nnctntgggc	ntaannaann	720
tnngntnann	nntcancttn	gncnngtntn	nnnnnatteg	ngtaatattg	anncatttnn	780
nanataaaan	anantttctn	nntgnangac	nntactanac	aaanttttaa	antnngttct	840
acancccnnt	tttanannnta	nanantcgna	tatgaatttc	aatctcccna	tnttgtnnan	900
ataatcaaat	nnanattaaa	ttttnataaan	ccttattaaa	acctctttna	tgaagnatcc	960
aattnttgat	naatncntaa	acnatgntat	actnnnatat	ntnattatnn	antgmnccg	1019

<210> 4868

<211> 786

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (786)
 <223> n = A,T,C or G

<400> 4868

tgnnnnncgt	nagaccagct	tttnaacata	caggctactt	gttctttttg	caggcatccc	60
atcgattcgc	atccctggag	cagcttccaa	cactacttca	gggtggcagt	gtttggggca	120
ctgggcgagc	ctgceggcct	ctagatggcc	tcatctcttc	cttccacaaa	ctgtctagaa	180
ccaataaaaag	gaaacctgcc	aaaaaaaaaa	aaaaaaaaact	cgagcctcta	gaactatagt	240
gagtcgtatt	acgtagatcc	agacatgata	agatacattg	atgagtttgg	acaaaccaca	300
actagaatgc	agtgaaaaaa	atgctttatt	tgtgaaattt	gtgatgctat	tgttttattt	360
gtaaccatta	taagctgcaa	taaacaagtt	aacaacaaca	attgcattca	ttttatgttt	420
cangttcagg	gggaggtgtg	ggaggttttt	taattcncgg	acgcggngcc	aatgcattgg	480
gncccggtag	ccagcttttg	gtcccttttag	tgagggttaa	ttgcgccctt	ggcgtaatca	540
tgggcatagc	tggtncctgn	gtgaaaattg	ttattccggg	cacaaattcc	cgccacatnc	600
caanccgggg	gccttaaaag	gttaaaacct	ggggtgccta	aagaagtgan	cttaactcac	660
catttaattg	gcgtttgccc	nttaaatggc	ccgcttttca	anttcgggaa	aaccttgtcc	720
ntnccaagct	tgcanttaaa	tgaaattggc	caaacgcnc	cgnggnaaaa	ggccgggtnt	780
gccttt						786

<210> 4869
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 4869

gntnatgacn	tnaaactctt	tggcnagcag	gtccctcga	ttcgaattcg	gcacgaggaa	60
tcttctctaa	agtccagagt	ctcccgann	ntggagnttg	tccttcccaa	gccttctcgc	120
ggggagggaa	ttcttctttt	ctgccgcctg	ttacatccct	gtgtgagaag	gtctggtgag	180
ctgagcccac	atcactcgtt	ctgctgcca	gggtgtgctt	catcttctact	gtggaaaagt	240
cattttgaac	tccccgtga	ctgcaaatta	agtaatcaag	gacagatggg	actgggttga	300
ccattccaag	gagtacagtt	acttgaagaa	tctggaagca	ataccgagca	catttggttg	360
cattaattca	ttggagcaat	aatgctgtac	gtagaaagta	tgttgctttt	ttaaaaaac	420
atcatcagtt	ctgagcattt	gtagcaagtg	aactctaact	tggaaacgat	gataaattct	480
tctaaaaaac	aaataaaaaac	cctccagaca	atattatgca	ttgagagctt	taaaaaatat	540
atatactaca	gcatttggaa	aacactttgt	ctggctatgc	cactgcactc	cagcctgggc	600
gacagagcga	gactccgtct	tcaaaaaana	aaaaaaaanga	agacttgnat	taatggagaa	660
acagactggt	ccctggctag	aaatnccaaa	tattgnaaag	aagtcatttc	tttaaaatna	720
atttatggat	ttaatgcngn	cctnagttaa	aaatc			755

<210> 4870
 <211> 742
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (742)
 <223> n = A,T,C or G

<400> 4870

agtgnttttn	aananacaag	ctacttggtc	tttttgagg	atcccatcga	ttcgaatcat	60
aatggggaag	gccatccagc	ctcgcgtcgc	gaacgccagc	aagacgtagc	ccagcgcgtc	120
ggcgcgcatg	ccggcgataa	tggcctgctt	ctcgccgaaa	cgtttggtgg	cgggaccagt	180
gacgaaggct	tgagcgaggg	cgtgcaagcg	ctcaccgcat	cgtggcacct	ggcaagggca	240
tcctggctgc	agatgagtc	actgggagca	ttgccaagcg	gctgcagtc	attggcaccg	300
agaacaccga	ggagaaccgg	cgttctacc	gccagctgct	gctgacagct	gacgaccg	360
tgaaccctg	cattgggggt	gtcctctct	tccatgagac	actctaccag	aaggcggatg	420
atgggcgtcc	cttcccccaa	gttatcaa	ccaagggcgg	tgttggtggc	atcaaggtag	480
acaagggcgt	gggtccccctg	gcagggacaa	atggcgagac	taccacccaa	gggttggtg	540
ggctgtctga	gcgctgtgcc	cagtacaaga	aggacggagc	tgacttcgcc	aagtggcggt	600
gtgtgctgaa	gattggggaa	cacaccctc	ncccttgcca	tcatggaaaa	tgccaatggt	660
ctggccccgt	tatgccagta	tctgccagca	gaatggcant	gtgcccacg	tggacctgag	720
atcttctga	tggggacct	ga				742

<210> 4871

<211> 846

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (846)

<223> n = A,T,C or G

<400> 4871

tttnaaatcc	cagctctngc	agnanttcaa	gtccncttt	ctaatncttg	gcanctcgat	60
ctcgcnegaa	nnnnntnggc	ncgagantct	gcnetacaac	ngacaggatt	gntagaacnt	120
nnnnngtcng	gggatntng	aatantnnnt	caacacnngt	gatacgcntg	anctaacagg	180
tgggtgtttt	antataccna	cnnaaatagc	angatgcgac	aacantcctg	naacngtgtc	240
ttntcaaa	gn caactggcct	ggaaggctac	aagtgtcnmn	aaagattctg	ttcagaatct	300
agccacagan	ataaaggatg	gacaaatacc	tgngacatag	tctnctcana	gacanccaag	360
ccttgaangc	tcaggtgatg	aaaangattn	tgtttcgaat	ntanccanga	gaaataaagg	420
atgganaaaa	ntctgggaca	ntgtcttctc	agaancaatc	ngnccatnaa	ggttntatct	480
nacangaaa	gttctctttt	gaatatttgc	cacacnga	aatcnggcgg	tgngaaatct	540
nnaacagagt	atnctganaa	tntgcccanc	cntgnaangc	tacaattgaa	aaataataan	600
ntctgatctg	aaatacaagc	caccaaagt	naangattgt	acnaatcatn	cncacccagc	660
agcaacann	acttnatgaa	atggccatcc	annnnngaaa	accanaagga	agctttgnna	720
nnaatntgca	atanattacc	canncnna	aggttgaaaa	aanccanaat	tncattnctn	780
agggatggac	cctttgntng	accttaaatt	ncagtcctc	ctcnaaacn	ttcttnaaga	840
aggnnc						846

<210> 4872

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (717)

<223> n = A,T,C or G

<400> 4872

ggnttnaaa	tatcagctct	tggtcttttt	gcaggatccc	tcgattcgaa	ttcngcacga	60
gggtctangnn	gatgtctntc	naatcatggg	ntgtcctnt	nttttgacac	agggccttgn	120
cttattgtctc	angctngagt	gcagtnagct	gtnatnncac	tgctgcncct	cngcgnannn	180

gtanaatan	tactctgnnt	nngannga	naantanatn	gntaccnna	naccaactct	240
gtctaatgg	aaaagatgga	tnatnaatct	tagncttnat	agaacnntga	gattntcaan	300
nggtgcgag	cacagtgtc	attnttncat	cctatcaca	gacnctnta	acctntaacc	360
gtnaacaana	tgnaatcgnt	gtataaaaa	aatnnctgtg	nttaataggt	gactgactac	420
agtagccttt	naggagtcca	nagncaactta	ttcagcctga	tctttccaca	tacactacat	480
tgnattgtnt	aanattcnta	naaattactg	cgnatctan	ngctttaanc	ctnatgtagt	540
gactgntgct	atatctggaa	gtatctntaa	anagtttgct	gggnnttnt	cactgcttaa	600
tctactaga	cntatncatc	tgcttatent	atcacttngc	cnnnatgatt	actgcaccgg	660
tntacgaaaa	atnccattan	tgattaaact	tttaaaggnc	aangaccata	tntnnng	717

<210> 4873

<211> 1194

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1194)

<223> n = A,T,C or G

<400> 4873

ccccacnnn	acncaacacn	cancaccnan	ncnncannnn	ncancaaaaa	aaaanccanc	60
ccanaaacac	canccccaac	acncaaacaa	nccnccccac	cancnnaaan	gggcccnac	120
cancctgtca	agcnaacgac	ccacnacnaa	gcngccgaga	agctncaccn	nacacccaaa	180
ccncatacag	ngggcngggc	aagcnggggn	cncatnggga	nggggaaggg	ngcccggcgc	240
ctancnncn	nccnggnnc	nacaggngna	ccanatnggn	ccancccca	nacnaccang	300
taccanncn	nncacgnnaa	caccnncca	anacaccncc	catcnaangc	anaaccgacc	360
anangnacct	accnaancan	accnccana	gccnacncna	gcnnacacac	caaccccccc	420
amncangnc	accnacngca	aagncnct	cgcnnngatc	accancantn	ncnaatacan	480
cacnancnac	cacnccncaa	anacnaacgc	ttanccccc	cgacccca	cnaaagacc	540
ananagcaca	cacntggnaa	naaanana	cancgcccc	cnanncccaa	naangcgcnc	600
nccaacacan	cnaacccan	ncacccnaa	accncannn	cacnggcgac	annnggaana	660
cnccccantc	cccacnnnca	canacnaanc	ncnanacacg	nnaacncncg	ancnnaccn	720
naaanaacan	annnnnngca	nnnanaaaac	cccnangncn	tacnngcaca	cactcnccan	780
accagntnnc	acncaaacgc	ncacnaccac	ncaccncccc	acnacaccna	cgcncncna	840
cccaccccc	accganacna	gcccaaacgn	nccanncacn	ccaangnaca	nnccaagcgn	900
cacaccncac	acgacncana	ccnccnna	cactaacncn	acnnnnnaca	cnnnccacc	960
cacanagcac	canacncnnc	cancnagaa	ccacaccnna	acnacnnanc	tnnctcncc	1020
annngccnn	nntnnccgct	cgcanaaacn	nancccncca	acacaaancc	naacacaaca	1080
cntnccccn	tnaanana	ccacnnnaac	tccannanan	aancaacnnc	nnccaccanc	1140
aancaacacn	cacnacanta	cagacnctt	anannancnc	cncacaacc	nccg	1194

<210> 4874

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(719)

<223> n = A,T,C or G

<400> 4874

ggtttttnat	cacagctact	tggtcttttt	gcaggatccc	atcgattnga	attcggcacg	60
aggctacttg	agtgtttggg	ggttcaacac	acacatgcaa	ttttgcttaa	caaaagtgnn	120
ntataatata	gtttcataca	gaattacctt	aaaaggaggt	cttatgtttt	caactacaga	180

tagttgtaag	ggatcataca	gaagatattg	atgatagttg	aaatattctt	agaaggggtg	240
tgtatgtcta	gctgtgtcta	ccatgtgtat	gtattcttga	caagcantat	naaatacctg	300
tgatntttct	ttacattacg	gataatgcat	aaggaattaa	tcttcatata	tattatcatc	360
cctaattgtag	canggggaag	tatttaaatng	cccatgatat	gtatnttact	tatactatgc	420
caganaggaa	actntannnt	cattacacnt	gtannctngg	gttnntcaca	tatgtacgtn	480
ttcattnnna	gtaggtngaa	gatganacta	aatatttnca	tgaatnga	ncctgatggg	540
atagcctcaa	taagtattta	aaagccngtn	ttctaaaaat	aataaagggt	aggggtcatt	600
tttgacttnt	gttgatcttt	tgctattgnt	aatattnaac	aatnnangtg	ttacatttgg	660
tacctggnag	ncnnnaatgc	catnnattgn	nnaacancct	gaggatgntg	aacaagncn	719

<210> 4875

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (719)

<223> n = A,T,C or G

<400> 4875

ggtttttnat	cacagctact	tggtcttttt	gcaggatccc	atcgattnga	attcggcacg	60
aggtaacttg	agtgtttggg	ggttcaacac	acacatgcaa	ttttgcttaa	caaaagtgnn	120
ntataataca	gtttcataca	gaattacctt	aaaagggagt	cttatgtttt	caactacaga	180
tagttgtaag	ggatcataca	gaagatattg	atgatagttg	aaatattctt	agaaggggtg	240
tgtatgtcta	gctgtgtcta	ccatgtgtat	gtattcttga	caagcantat	naaatacctg	300
tgatntttct	ttacattacg	gataatgcat	aaggaattaa	tcttcatata	tattatcatc	360
cctaattgtag	canggggaag	tatttaaatng	cccatgatat	gtatnttact	tatactatgc	420
caganaggaa	actntannnt	cattacacnt	gtannctngg	gttnntcaca	tatgtacgtn	480
ttcattnnna	gtaggtngaa	gatganacta	aatatttnca	tgaatnga	ncctgatggg	540
atagcctcaa	taagtattta	aaagccngtn	ttctaaaaat	aataaagggt	aggggtcatt	600
tttgacttnt	gttgatcttt	tgctattgnt	aatattnaac	aatnnangtg	ttacatttgg	660
tacctggnag	ncnnnaatgc	catnnattgn	nnaacancct	gaggatgntg	aacaagncn	719

<210> 4876

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 4876

ttgaancctt	aatntnnacc	cctttggaac	ttnttgcagg	atcccatcga	ttcgtgtaga	60
ggaggtgagg	aaatacttta	atgtgttgga	aaccatgggt	ttgaacagaa	gatacgcata	120
tggagtgggg	aatggaaaga	aaactttgtg	ctacatttac	tgtaaattat	atcttattga	180
ttcagtaaat	tcaggtggaa	tacggaagtt	caaatttaaa	gattacccat	ggactcctga	240
cctcaggtga	tccacccgcc	tcagcctccc	agtgggctgg	gattacaggt	gtgagccacc	300
atgccagccc	tcatcattct	tattaactgg	tttaatcctt	tcaataatcc	tattaagtag	360
aattattagg	taattagaat	taggttaaaa	agagctgagg	tgtgggtggt	cgtttctcag	420
gtaaaacatg	gctaaaagct	tacggagtaa	gtggaaaaga	aagatgcgtg	ctgaaaagag	480
aaaaaagaat	gccccaaagg	aggccagcag	gcttaaaaagt	attctcaaac	tagacggtga	540
tgttttaatg	aaagatgttc	aagagatagc	aactgtgggtg	gtcccaaaca	ttgccaaagag	600
aaaatgcaat	gtgaggtaaa	agatgaaaaa	gatgacatga	aaatggagac	tgatctaaga	660

gaaacaaaaa gactcttnta gaccacatgg cagtcccata tggatgacca agcaagaaaa 720
gctgcgga gacagaaaaa naagggaac caacaaacat n 761

<210> 4877
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(687)
<223> n = A,T,C or G

<400> 4877
agacaagcta cttgttcttt ttgcaggatc ccatcgattc gaattcggca cgagtattgg 60
ttttagaaaa tgctactgat tttgtacgt taatttttgt atcctgaaac ttactaacg 120
tcatttatca ggtcttttgg agggattgtt aggggttttt taggtttaga atcatattgt 180
gagtgaacag agataatttg acttcctctt tttctattta gatgcctttt gtttcttttt 240
cttgcccgat tgctctgggt aggacttcag tactatgntg aatagagggt gtgagagtgg 300
gcatccttgt cttgttctta ggggggatgc tttcaccttt gccattcag tatgatattg 360
gctgngggtn tgtcatagat ggctcttatt atnntgagag gtatgtcnct tcantgccta 420
gttagttgag gatttttatc atgaagggat attggacttt atcaaatgct tttctacatg 480
tattgagatg atcatatggc cntgggntta atctggntta tgtgctaaac ctattcccan 540
atcaaaaana angatttctn ctaacacatt ctacgaacca gttcacctga accaaatctg 600
caaggcncac ancnatnata aaaaaaatc gctntaaact tnnngnnata ctaaaccaac 660
tganagnnct gatnagttgn caccnt 687

<210> 4878
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(724)
<223> n = A,T,C or G

<400> 4878
gnangtact tgttcttttt gcaggatccc atcgattcga attcggcacg aggaggggag 60
agaggagggc cattacaact ctgccttcaa gactcatctc ttaaaaacaa aacgaaacaa 120
aactacaacc accatcaaaa ccacacgcaa aaaaaaaaaa aggataactt taaccgaagg 180
aagggtttgg ttccattcaa ctccacattc attgtgcctt tacttgcat agatttctgt 240
gctttcttcc tttccctctt tgaagcaatt aaaatcttcc ttgataactg ctgtttcttt 300
ctactcttgt ttctggcaat ttagtgggtt ccttctctag tggctttaa tctcattcca 360
ctggtggcaa gatggggcct anccttcttt tcacatgtct aatcttttcc tttctcatgg 420
tgccctccat ggaagtcaca gtnaacactg aataaatgac tagaatgaca cgtgtgcgtg 480
ccgcacgcgt gtgcntgtgt gtgttcatct gtctgcatgt gggatcaatt tcttttagaa 540
aataatttat tgnatgattt attttgggag ttatattctg attacagngc tccttnttcc 600
aatagcatt gatttttccc ccttnaaagn ataactctgt ctcaggttgg atctttnnga 660
catntctctc tctggatgcc atgcagttaa ttaaacctt gcttaaaaca aaaanaaaaa 720
aaat 724

<210> 4879
<211> 925
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(925)
 <223> n = A,T,C or G

<400> 4879

tnnnnnnnnn	ntnnnnnnnn	tnnnnnnnngg	ggnnnnnnnt	nggntttana	ctcgggaacg	60
tttctnagca	gmnngccatc	gnnnccgaatg	cggcacnnng	nggtanccga	attcggcacg	120
agggggacaa	ggctataaat	atcattaata	ccaggttcag	gagtttgac	tgcactaaaa	180
atcaactcag	ctatttgagc	accttttata	gagtggaat	ggggttgggc	agtaganaag	240
agcactttta	gagaggcttt	tntgcagnag	ncaggggtta	cacctgttaa	ccagccataa	300
tttttttttt	aagcggctgt	gctgaggatg	agcccatgt	agttggtgca	ggtggggaca	360
cactgtctgt	gtaactagaa	aaactaggca	tggccgggca	cgggtggctna	cacctntnat	420
tccagcactt	tgggaggtca	aggggggagg	aacacttgag	gccngagaca	atataatata	480
taataataata	tattggccag	ccttgagaca	tataaataaa	gagccctntc	tgtaccaatt	540
taaaaaacta	aaaagcctng	gggtgggngg	gnacaatacn	ctgtagtcct	tggcttanct	600
ttggggaang	cttnggggca	aggtgggnatt	tgctttggaa	ncctacggan	tttcaattgc	660
ctgtnaagtg	gaagcctntg	ggaatcgttg	ccncttggn	atttccnacc	ctggggttng	720
ggaggaaaaa	aaccttntt	tntacaccac	cncncncccc	cccaaaaaana	anttggccca	780
aatgtggctn	tnantaaaag	gggaannccg	aaataggggn	ttcttngtan	ttaangngg	840
caaaaagggg	gggnggntc	ctgnggaaaa	aaaaggccca	ccccttttng	tgttggnggt	900
ngggaaaaan	tttnaaaanc	ncnct				925

<210> 4880
 <211> 1170
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1170)
 <223> n = A,T,C or G

<400> 4880

ccnannncna	nccnnanncc	naanngannn	accnnnnnnn	cnacnacnnn	ancngncnac	60
ncnnacnacn	cncgcccann	nacnncacnn	aanancnnnc	gcnnannnan	ccnccnnncc	120
nnncnactc	nnncnnncn	anngnncacc	cnnnnnnnnn	nnncnacnnc	ananncccnc	180
acnancccca	naacnccngc	nntggcannt	ttnaaatcaa	ancncttggg	nnaacnncca	240
naannctnnc	accaccaccg	ananncgnc	ncacngcccg	nnnnagcncc	agnnncccca	300
acnncnate	ccntncgnc	gaacnnncta	nccngggggg	ngggggcggg	ggcangggng	360
aancgngnc	cancccgccc	acnccnaccn	acacnncccc	anacccannc	ccnnnacnnc	420
aancccnnc	ccatacnca	naccganccc	nnannccna	cgcaccncca	cnngaccggn	480
aancnnaaac	acacacncac	accccgaccn	cnnacaanac	cncncacnca	nnnnnnccnc	540
nacaaaaccc	acaccgccc	ccncaanccn	ncnnncaccc	nacgaccacc	caacacnccc	600
aaccgcnca	anccncacc	acnnncccac	cncccaccnc	gacnnananc	ncnnncncca	660
ncacgccnan	accaccnaan	nncccccccc	cnccccaccc	aaccnaannn	cacancagnn	720
ancnannan	ncanccccc	cccccataaa	ccnaccacac	ctanncancc	cagacnannc	780
aacgncnnn	ccctacaccg	annncnnnna	ncnanannac	antncnacn	ccacaccaat	840
nccgcagcag	acatcgcan	cacncagccc	ncanacacna	nccnnaccac	caanacntna	900
cnnacacaca	cnaacncnan	aacnatntnc	cacgcnacac	nnacaantcn	atcnccccac	960
gnacnnetca	nncacancga	ncaatacana	ncacganaca	cancnacgan	nnccanacnc	1020
caacncgcga	cngncacaca	caccacncnc	ancncacgac	nctannanac	ncacanacan	1080
ncctccanaa	cagnacncng	cncncacagc	accacacgat	nacacngnag	cacagacnca	1140
acncgcgaca	naatnncaca	cacnnacgcc				1170

<210> 4881

<211> 795
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (795)
 <223> n = A,T,C or G

<400> 4881
 gnnntttnaan nttttaaaatt tatacanctt nttgttcttt ttgcaggatc ccatcgattc 60
 gaattcggca cgagggtaga ctggctaggg atcctggacc cagggttcca cgtagcaaca 120
 cctgtcgtgagt tctctggggtt ttcttcctgc ctcatgtagc ccagacttgg agctgaagaa 180
 gctggaaaca tggaaacacc aacagctaca gacaaaaaa agtcccaaca aaggcctgtc 240
 agtctgccag cctgttctgt ggatttccaa ctcaagatgg cagcatcaac tcacacctga 300
 agttctggct tccctacaaa ctttgaactt gccagtcccc acaatggcat aagccaattc 360
 cttaaaatga atgtctagtt ctagataatg tgtgtattct actggttctg tttctctgga 420
 gaagcctact aatagatcat ttgtcttaat caattcaagc tactgttaca gattaccata 480
 gactgggtgg ttaaaactac aaatacttat tactcacagt tttggagtct ggaagtctga 540
 gatcangttt ccagcaggat tgagtcttg gtgaacatcc tcttcctggc ctacagagta 600
 ctgngttact taagtggaaa aagtaggggtg agctgggtct tttggcctct tcttttangg 660
 gactaattca tgagggctnc accctcatga cctatttacc ttccaaaggc tccatctcca 720
 aataccatca caatggggga ttagaattca acataggagt tttgggagga cacaacatt 780
 tagtccttac ancca 795

<210> 4882
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (789)
 <223> n = A,T,C or G

<400> 4882
 ttcaaaccag cttttganct tnttgcagga tcccatcgat tcgnntcaaa canagnattg 60
 tgatattgtc aaagagaaaa acnaatcctg aagatacatg gaaatgtaac ctagttagg 120
 gtgggtatatt ttctgaagat acatcaatac ctgacctttt ttaaaaaaat aattttaaaa 180
 cagcatactg tgaggaagaa cagtattgac ataccacat ccancatgt gtaccctgcc 240
 agttctttta gggatttttc ctccaaagag atttggattt ggttttggtt aaaggggtta 300
 aattgtgctt ccaggcaaga actttgcctt atcataaaca ggaaatgaaa aaggggaagg 360
 ctgtcaggat gggataattt gggaggcttc tcattctggc ttctatttct atgtgagtac 420
 cagcatatag agtgttttaa aaacagatac atgtcatata atttatctgc acagacttag 480
 accttcagga aacatangtt aagccccctt ttacaaagaa aaagtnaaca tacttcagca 540
 tcttggaggg tagtttcaaa actcaagttt catgtttcaa tgccaagtgc ttattttaaa 600
 aaataaaatc tacttataa aagaaaaggt gcatttctta aaaaaaaac ctttaaanga 660
 aaatgaaaga agaacccttt tncangatac ttactttgan gactgttttc ccctttttna 720
 tgagatatag cttaganatc ggcgnggggn atttctttan taatnctctg ggttttggat 780
 ctggccttg 789

<210> 4883
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(732)
 <223> n = A,T,C or G

<400> 4883

tcnctntcat	ctnaacnctt	tgcaattncc	ctttttgcag	gatcccatcg	attcgccag	60
ggcgcgtgc	ctgagcctnt	ctgcagctgc	tcacnttttg	ctgaggcctc	tgccctcaga	120
gctagtgggg	cctgctcaca	cattccagcn	gttnccctcn	tatttgncc	gaaccaagtt	180
gtagaattta	aaggaggtga	agnaaggcga	ttncatgga	aaatatattg	nncttcttta	240
ctcctcatgc	tnagtgcata	anaatntatt	atntcccctg	aatgttcaaa	gtggtgtgtg	300
tgtgtgtgta	aaagaaccag	gagcaaacia	tcttaatagg	aatgtgcgat	cttgcccta	360
tcttttagcac	acttaattag	ctacaaccgc	ggactgtngc	catttgaaca	aattgntaac	420
aaaatctgcc	atgttttgct	ctttttcaaa	aggaangact	cnaataacca	tagcaacact	480
tactcagntt	tgtgatccac	tccaagatta	tgggagcaag	aacagatact	cctgaaagca	540
accctcacct	cctnccccgc	cccctgccct	cagcaagtcc	tggcctgtgt	gaactgaagg	600
gtttggaagc	tctggtttct	aggagtgcct	agaagcttga	aagactaggg	tgtactagtt	660
attgangggc	agttgtcant	ggcagtggtg	gggcaccca	attngtattc	canggcactg	720
cattgctttt	tt					732

<210> 4884
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(769)
 <223> n = A,T,C or G

<400> 4884

gantggtcga	actnaaccct	ttggaaantc	cctttntgca	ggatcccatc	gattcgaatt	60
cggcacgagg	gccactccgc	ctctccctc	ccttcntttt	ttcttccctc	cccttttttc	120
cttcttcctt	cccctccctg	ccgccaccgc	ccaggaccgc	cggccggggg	acgagctcgg	180
agcagcagcc	aggtagaact	ttagacttca	tagcactgaa	ttaacctgca	ctgaaagctg	240
tttacctgca	tttggttact	tttggtgaaa	gtgaccatgt	ctcaagttca	agtgcagtt	300
cagaacccat	ctgctgctct	ctcaggagc	caaatactga	acaagaacca	gtctcttctc	360
tcacagcctt	tgatgagtat	tccttctact	actagctctc	tgccctctga	aaatgcaggt	420
agacccattc	aaaactctgn	tttaccctct	gcactctatta	catccnacca	gtgcagntgc	480
agaaagcata	aaccctactg	tagaactaaa	tgccctggca	tgaaacttgg	aaaaaaacca	540
aatgtntaag	cctgttgtaa	ccttactctc	gggatgcagn	ccacctataa	ctaccaaaca	600
tggagnangg	aaggaggttt	aaatccccn	agggnnactt	ttnncccant	ttctaantcg	660
cnancctttn	cncttnnaaa	ngngatncn	tntangcgng	nnggccagca	natntcannt	720
gnantaggnn	nancccnncn	tcctngcnga	ngaacnnncn	cnactcccg		769

<210> 4885
 <211> 719
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(719)
 <223> n = A,T,C or G

<400> 4885

gtcttgtcct	cnnaaacccct	ttgcacttcc	tcttttttgc	ggatccctcg	attcgaattc	60
ggcacgagag	aggggtgggt	ctggccacat	aggtnnctct	gtggctctgg	tctgggggtta	120
gacactgtta	gggactagca	tttattggac	ttgtaaagac	agcacctcag	aattagtaac	180
tactttgcatt	ttanggtctg	ttntatgaan	ccaacaagt	aatgtaaaat	aggctctgca	240
tcttttctga	gagccctgtc	actgggcagt	gagcatttcc	aaaattgcag	ctctgtcana	300
atgaaccatg	aatacttaag	aaagggaag	taggaacagg	gagcagagca	aagcataact	360
tgctgtgttc	cagggattta	aaaataaatt	actgtcaaga	gcaatataag	ggtcatgggt	420
ttgatcanga	acttttttga	aatgaaaaag	ttcacaattn	ggaaaaaaca	gtgctagatg	480
tggtatggaa	attgttatca	caaattattc	cactgaaact	caagtatata	anacaacaat	540
atattgctgn	gaaatcttan	ttntgacata	tggaaggtaa	ccaanaataa	naaccatacc	600
tttttgcctg	aagtgcacgg	tggtaccaat	ttctaaaatt	agaaacattt	aagccaaaan	660
atantnaacn	ncantacccc	ctcntngaaa	naaaaaaanc	tognaccntt	ttgaacttt	719

<210> 4886
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (783)
 <223> n = A,T,C or G

<400> 4886						
agnaggnttt	tcagaaagct	ggnnnaggna	gcnggnagan	gcnttgaagg	cccttgctaa	60
tngtctggaa	agctccatct	anagagnngg	anggtnggga	gcncgnnaaa	catgcngnaa	120
canctctagg	aagtngnga	ctgatacaag	ctganatgtt	gnntnatgga	nangatcnca	180
cngaattgat	tgctgtgaac	acngtgnatn	ncnngaacca	gatnaanatg	tnatatggaa	240
cnattacanc	antntgcact	gaagcaagct	ggccaagcan	gnctgcatgn	cgaanattg	300
aatatnactg	ggcanatggn	actaanatta	aaaagccana	nnaantgnnc	tgaccaaca	360
tacatntgac	tannnggatg	acttgggttc	aacgancagn	cntgatagat	gaaaccncg	420
tttccttnta	agattgggtg	nccatntncc	caaaaacttt	atnnctgtgg	caganactat	480
nctaaaagc	gncttgnnna	gggtttnaa	gccntanna	atcaccangc	nctantgatt	540
cngtgatgcc	atctgccaac	taggaggcnc	anctnaacnn	ctacnttaag	cactnnattc	600
nnctntgntt	cagggntttt	aancnagntt	tgataaggcn	tgaanctggg	cacctctnca	660
agaattagta	canaaaactg	gatnncaaga	ccnnatnaa	ggncantcta	ngaacacagn	720
ntcncccn	gcttaatnca	ttggtagaac	canctcaatn	gntatccngt	nantgnacna	780
ctn						783

<210> 4887
 <211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (728)
 <223> n = A,T,C or G

<400> 4887						
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tgaggatcc	catcgattcg	aattnggcnc	gagctcngac	cttatnanca	gcatnacgca	120
tgactaccac	ctgnatganc	aggatgctga	gggcccggctg	gtacgctgga	tcattcncat	180
tagtncccg	aagagccgtg	cttggcnaca	gactccgagg	gtcgttcaac	tnggctgctg	240
tcccaaacgc	tgtcgaccct	gacagtggcc	atganaccat	ggngggctca	ggtcttactc	300
agnatgagct	gacagtgcac	atctccnagg	agacgactgc	agatgccatc	gcccgnaaagc	360

tgaggcctta	tggagctcca	gggtaccag	caaagccatg	actcatcctt	tcanggcacc	420
gacacagact	cgtctggggg	cacccttgct	ncaagtgtac	tgataaccnc	tgacaggccc	480
atctggcaca	ccctttctgg	gagaagcatg	gcctacagaa	tgaacagggg	gaccaggaac	540
ccctgtggga	naggcttaaa	cctgancagt	gcccactctg	gntcctcntg	ncttggtgta	600
ctggnttctg	gaccatgtgc	atttcactgg	nccatgggat	ctacatctct	tgcatnccca	660
nctggctgat	cctgccangg	nccgttncnt	cctgctcatg	gncttnaggn	ngnctgatca	720
tngaaagg						728

<210> 4888

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(808)

<223> n = A,T,C or G

<400> 4888

tttgtggcn	ncntagtnan	nnngganana	cntcntngct	ctanaagaat	tgggttggtg	60
cngcacgang	agatgtgtcc	agtgcccnc	gtggngtgtg	antagaaacn	cctgnggnnn	120
aagtgactnn	gtnggnccnn	ctggcttegt	gcangangnc	tcgtnactgn	atacgaccen	180
gccacngtgt	tctnaangac	annnccanan	atgggttana	ntcnetgctg	tgggagtctt	240
tantcccaca	cncnggacan	gctggtnanc	tncactgtnc	nngatgatgc	acaccngac	300
cnatnacgtc	angacgatnc	nnntcncgac	anntatggtg	aagatncctn	ccgtgggtccn	360
attcttnctg	nacntnctgn	gnccatgacg	ctcacntngc	tgtngagctc	gntccgtgcc	420
cangtgttgn	acatntaaca	gatncnacac	tgtcttacia	ngggaccacc	nangattngg	480
gtctctacia	nagancnnac	nntgatecct	aattattctn	agggcctncc	gttgnttttg	540
gctctgectg	gnnttntagg	ncaacgggac	aatccaaccn	tnnccntttg	annancetta	600
tgaacaattt	ntgnncttca	naattnnnta	ngcctttng	nagnaataac	cnttttancc	660
tnattttgac	ctgganttna	ttccnnccaa	tgccctcgga	agntggncct	ttnnccacnaa	720
ggggaccagg	tggaaanccc	tcttgatttg	gaccaaiaaa	ggcccnctt	ggcttnatct	780
cccttaaaact	ngatnncncg	tgcnnncc				808

<210> 4889

<211> 727

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(727)

<223> n = A,T,C or G

<400> 4889

tncttaantg	gcttggcnac	tngttctttc	tncaggnagc	ccatgcgatt	cgaattcggc	60
acgtaggtca	gacatgaaaa	ctatttttaa	gctgactttg	ntgccttatc	ttgaaaagaa	120
tctagatagg	tgtttttaac	tggggtatta	acttttttag	aatgacacag	ntgaacagtg	180
ttaataatag	tgtgtcaaga	ttgcaaagtc	gacatactca	tttggtttaa	gcaggaatcc	240
tagaagcaaa	tggatgggga	taagaatagg	tcattttcta	ttcaccatcc	tttactatta	300
anggaaagga	aaagaacact	agctaaggaa	gggaaaggga	agtgatctca	taaaagtagc	360
anccttcatt	ttacattctg	tctgttggtc	tttccctgct	ttgccagnnt	gtgctaattt	420
gggaattgtg	tactccnaaa	caagtagaaa	agtgctgctg	agggattnta	ttaaatcttt	480
ttntaatgga	atgtggcnca	aattgttcat	gttaccaaag	cnatatttnc	ntgggaatct	540
aattcaaagt	tngtggmata	caacctgagc	cttttcttat	ntaacacaag	aatatgttca	600
catcttggtg	tgnngccata	tttatnga	gctgaactcn	attgtgcaag	ttgtntctgga	660

tgcngtttgt aaataactga aaataatttg gntgaccttt ttattcaatt ctgnatagan 720
nttaaaaa 727

<210> 4890
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 4890
tttctactaa ttgcttggct acttggtctt tttgcaggat cccatcgatt cgaattcggc 60
acgagcntng cttttcttgn nancagcagt ttttcnagnac anatttgctt tntnttacia 120
aaagannacn naaatgctgt tgtnttaaca tttcagaaca ganattgtgt tgatgtgatc 180
agtgtttggg ggtaacttt gcgttaattc ctcaggcttt gcnatttaag gaggagctgc 240
cttagaaann aaataaaggc cttattctgc aatantngga ntgaaccaat attctataga 300
acatataggt acagctgata tcgtgtatat ntcccttana gaatagctga acaccttgag 360
ccttaanacg gagctgntgg gaaacattan gcactctttt atgcgtttac tccctgcctnt 420
gcttggcact gcantcttaa ganagattca aaaggctgcn aangaganga aatctgttcn 480
nggaatgttt cacnngccna taagatgcnc naanactctg tntcngatg tntgctggg 540
cccnatgtgn aaggngaggat gcctgctcgt tcttgcnctt ntgcctctna gnacacnate 600
agtnnnccct tcaagacntt ccacttgntt aanatattta tnnatgncan gganaaggct 660
ttaantnnat nnggacaaat aatgctttag tttntttttc caaattaggc ccttntttaa 720
aaacaagggt ggntgnannn tccctcna 748

<210> 4891
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(748)
<223> n = A,T,C or G

<400> 4891
ctncttaang gcttggcann tcnttttngc ncgcanccca angngmntgg gagccactgc 60
gcccggccaa ngacactttc aaatactcat gatnggatat gcctctgtga ttgacagtga 120
gcatttcaaa tgggttaaag attgctctgc aaagaggtta actgtngaga ttgatacagg 180
ctatcttcaa catatgtaca ttgctgtata tgacatttac ctaccattgt gcatctggga 240
cttctgatg gaccacagga attccctttt ctccctattc tcttccagat ctttcttcta 300
cttgaaaccc cttatctaca aaaatgaata aacaacccaa tctcatttct gatcngtcc 360
tggaattgat ctaaggcaan gtctggagaa gtgggtgggag acagcanaca gcttngtta 420
agtcttctaa cccagcact ttctcagcct catctgngng ttctgtctc actctgcaga 480
cctcacttna caatgctctt cagatccttt aatgaatagg aaattgattt tgggtatttc 540
tatnaaatac agcagagtct tagaaacttg cagtggcctt nanangaaag aaccccttct 600
taactnctg gccagattna tctttctttt atgggntcna acactaactg ggaanttttn 660
cccatgggan ggtatttgng cctttcagac tggctttttg nngaactggg tttggagggg 720
cataaacctg aggactggtt atantttt 748

<210> 4892
<211> 714
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(714)

<223> n = A,T,C or G

<400> 4892

ttgncnnctt aatggctngg ctacttggtc tttttgcagg atcccatcga ttcgaattcg	60
gcacgaggtc tcataaccnt nttngacanc aataannnna cgncnagaac cttnnnnaan	120
tcggnnaatc tgnccatacn ccacacggan ctaatctngt ncngacatt anancttnaa	180
ngcatgcgag ttttctaana aggcngttnt ctttccaaag tggtngccaa ntttatnact	240
tatgtgnana attgnttncn gatgactgcc anaaggcttt tnaagatcta nngctgtgna	300
ggaagtntn taagaaaatn gctgnacnan ttgctanata nttgtngcc atatntnatn	360
antgtaccan ttgatacttg gctgtncctt ctataangca tagtgagaan ttncnctanc	420
gantttnta aatgctnttc nggtnacatt gccaagaatn tggtgcnnca naatgmntaa	480
taattntacn ngatngaacg tctacctagg cttaggactc aagctnnatg gaatgctgtg	540
tagnacacat ttgtaaccgn gnccgacatg gaaatngtgg gnaaacngan ntttctgng	600
aaananaact cagggtttac tttngcaggn gcantncnnn atntntcnn ccctacaact	660
gtgtgagcgn agntnccttt ntncacttg tgggatacnt ggntaanncg gcca	714

<210> 4893

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(778)

<223> n = A,T,C or G

<400> 4893

agngnntnnn nggttctncn tctcctngna aacccttaat ggcttggtta cttgttcttn	60
ntgcaggcag cccatcgctt cnaatncggc acgagcntat gtnatgctnt cacctcccct	120
gtgtaggaaa gacctttaac taccagctgg tagtngtctc ancattcttc aaatagtccg	180
gtcttggtta atattattat tattatngtt atttaatttt attntattgc aactgtactt	240
agagaatagt ctgggtctga gaccttttca ctgnggtctg ntctgggtga cggctcccac	300
cagtgtgaag cagaaggatg actttgctct gttgtcagga caaccttgaa ggaaggagcc	360
aatgtgtgg aggtctgtgg gaagagagag ccacctagca tgtccccact gaaccagtca	420
gcaagaaggc cttccccagg aggcctccaa cagatccctg aatgccacat aaacctcana	480
ggcttgngga tcccaggacc ctccaggcgc tcaagatctc cctttgccgt ggtcctttcc	540
gtcatcacac tggccacagt cctctccaat gcctntgtac tcaccaccat cttactcac	600
caggaaaagct tcacaccct gncaactacc tgattggctt nccttggeca ccaccgaccn	660
cttgggtttt ccatcttggg taatgccccca tcangcattt gccttattcc catttaaccc	720
aacannctgg gaacttttgc caaatcttg nngtgaacaa tttggctggc ctngacn	778

<210> 4894

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(787)

<223> n = A,T,C or G

<400> 4894

gncaggctct	tggtcttttt	gcaggatccc	atcgattcgc	tagactgcta	tgantagtga	60
tgancancat	ctcagnctgc	caagggagaa	catgantccn	catgaacaaa	ntnggttccc	120
tgancagggg	gaaatgnaat	gctgagactc	acancaggng	gtgcgncnta	nngacctntn	180
nctgnannga	nanantgnag	gccacnatac	actngatgan	nnaatggact	nnctcttnaa	240
agtgtctgga	ntgctnctgc	cataantata	gtanatatna	canttgcctt	ggtcennctt	300
ctacctnaga	atgctgtgtc	ttacgctctg	tcttcccana	tctcccanna	nttggaann	360
tctgaggtca	gagggcaaaa	ngagaacctt	ttaattctga	ntctgacata	atcagatctg	420
gaaccagtgt	nnaagctgta	anacttatgc	angcgtaagg	tggttggtgg	tttaagccnt	480
atgntagctg	tggnntntcta	aaanantntg	aatntatctc	tgcatagng	tttgacctgc	540
atttgctaan	ngngtcnnta	anggatgtgg	ngannntggn	anttncccca	tgcattccna	600
ngtctnggc	cnntanaaac	cnggnccaat	tgaagttcaa	cntttaactt	tnggcctgta	660
naggaccatt	tggccatngg	tgnccttggt	taaagggaa	gaatnttgng	aatnccgatta	720
agccatttnt	aatttccctn	nttgcccttn	aatccccctt	ggaattcttt	nncngggaa	780
ccctttt						787

<210> 4895

<211> 863

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (863)

<223> n = A,T,C or G

<400> 4895

nngtccnctt	ttncaannc	tnngganacce	gttctttctc	nanacannaa	gntctnatgc	60
tgnggcacga	ggtctcnagt	tttttttntt	tgntngtnga	nacaggctcg	ctctgncgcc	120
cangctggag	tgcannggcg	cantctcggn	tcaactgcanc	ctccacctcc	cgggttcacg	180
ccattctcct	gcctaancct	cccagtagc	tggtgattacg	gccgcccncc	accactcccg	240
gctaattttn	cggatttttt	agtngataca	gggnnttcacc	gtgttagcca	agnatggctt	300
cgatctcctg	accttntgga	tccaccacc	taggccttcc	aaantgctgg	gattacaggc	360
ctganccact	tgcgcccggc	acattcaggt	tcttatcaan	gaaataacct	agactttaat	420
cttgaatgat	acnattatgc	cccaatgttt	aagntnanaa	aaatttcctt	aaaaaggtta	480
tctttaaaat	nagnatcttt	anngcnaaaa	tacccaagct	tgatggaaag	gccatcttgg	540
atgcccttnc	attcttgtnt	caattccatc	ttcccaaana	nccagggtcn	aaantaacct	600
cctttnttgg	ttggggcnat	atgnaaat	tttaaaggga	gttnaattcc	aanatggatt	660
nnaaaccaga	ctgccntgaa	ttgganaaat	tnntgatttc	cttcaaaatt	gtggtttcnt	720
ttctaaant	ggctggncct	ttaatttgga	ttaatttaaa	tccatgntat	tattgattaa	780
atctngangc	angatgaaac	tttaccagtn	ttggaaatta	attactaant	taatcnma	840
tatntnnaan	tttttccttg	atc				863

<210> 4896

<211> 723

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (723)

<223> n = A,T,C or G

<400> 4896

ttnttntttt	caaatttcaa	atnctagget	actngttctt	tttgaggat	cccatcgatt	60
cggtggaact	gagtgcact	cgtaagaatg	ccagcaacat	ggagtacagg	atcaataagc	120

cgagagctga	ggattcaggc	gaataccact	gcgtatatca	ctttgtcagc	gctcctaaag	180
caaacgccac	cattgaagtg	aaagccgctc	ctgacatcac	tggccataaa	cggagtgaga	240
acaagaatga	agggcaggat	gccactatgt	attgcaagtc	agttggctac	ccccaccag	300
actggatatg	gcgcaagaag	gagaacggga	tgcccatgga	cattgtcaat	acctctggcc	360
gcttcttcat	catcaacaag	gaaaattaca	ctgagttgaa	cattgtgaac	ctgcagatca	420
cggaagaccc	tggcgagtat	gaatgtaatg	ccaccaacgc	cattggctcc	gcctctgttg	480
tcactgtcct	caggggtcgg	agccacctgg	ccccactctg	gcctttcttg	ggaattctgg	540
ctgaaattat	catccttgng	gtgatcattg	ttgtgtatga	gaagaggaag	aggccagatg	600
aggttcctga	cgatgatgaa	ccagctggac	caatgaaaac	caactctacc	aacaatcaca	660
aagataaaaa	cttgcgcca	tagaaacaca	aattaagtac	tgcttacaat	atctttangn	720
tcc						723

<210> 4897

<211> 771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(771)

<223> n = A,T,C or G

<400> 4897

gtttannacc	agctcttgnt	cnttctgcan	gancgatncc	atcnatnnnn	attccgnnncn	60
agggggctga	ngcgnccgag	gacagctcgc	gatgagnggn	cnacgaaggc	tcntctgnac	120
tggnnncann	gtnnanngnn	ctnnctcngn	gtatncngtt	cncannctna	ncgatncatg	180
tnctntactt	gatcnggata	naactgtatn	agaaccaang	nacttnncan	nngctactga	240
ccntncccat	gtncnnctgc	acgtagtgtg	atagatanca	ctaccnntna	ccagntcgat	300
gaacccgatn	ngtctctcag	ctggtncana	ctgtctgngc	anctnnncnc	ttgcagttgn	360
accttnnggn	ccttgttaat	gncactacca	ntgtctgtgc	cttatgccat	ggatgttgnt	420
cccagatctg	tactaacnnc	tnccaggaca	tggccaattt	gggtagcccc	tnantgnaga	480
tgnnctgacn	ntganatcac	tgatnactan	atggggctca	ncgtgattta	catgccactc	540
ttggtnatat	ggtcttantn	gatgnnanc	ngatngtggn	caacctnttg	gaatgacct	600
natgagctgg	anccatgaaa	ganattgncn	caagcattnc	ccnntgacgg	ngantatggg	660
ctnantnccc	ttattactat	tncccttngt	gacttnttan	taanattctg	caaagctcan	720
gtccaaattg	natnaccttt	ngnaggcann	accnttcatg	gntnttgtgn	t	771

<210> 4898

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(732)

<223> n = A,T,C or G

<400> 4898

gnttntntnt	ttnaaatctc	angetacttg	ttctttttgc	aggatcccat	cgattcgaat	60
tcggcacgag	actgtctcct	cattcccaag	aagaaaagac	aagtactgct	acttccaaaa	120
ctcagacacg	acttgaaggt	gaagtgactc	ctaattcctt	gtcaaccagc	tacaagacag	180
tgtcattgcc	attaagctct	ccaaacataa	agctgaatct	cactagccct	aaaaggggtc	240
agaaaagaga	agaaggggtg	aaagaagttg	tacgaaggtc	aaagaaattg	tctgttcacg	300
cctcagtggt	gtcgaggata	atgggaagag	gaggatgcaa	catcactgca	atacaggatg	360
ttactgggtc	ccatattgat	gtggataaac	aaaaagataa	gaatggcgag	agaatgatca	420
caataagggg	tggcacagaa	tcaacaagat	atgcagttca	actaatcaat	gcactcattc	480

```

aagatcctgc taaggaactg gaagacttga ttcctaaaaa tcatatcaag aacacctgcc      540
agcaccaaat caattcatgc taactttctca tctggagtan gtaccacacag cagctttcag      600
ttaaaatgca ttttctttgg gtgctccaac tctttgnaac tttacangng aacaaccgtt      660
ttctacngtt tcaancccnt ttattaaacc tttatnagga atgttcttaa aaaaaaaaaa      720
aanaaaaacn nt                                     732

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<210> 4899

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(751)

<223> n = A,T,C or G

<400> 4899

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nggagggntn nnnnntnata gacagctact tgttcttttt gcaggatccc atcgattcga      60
atnccgcneg agcctgtgtg ggggtgcngt acattgcana cgctctagng acctgttgtg      120
atgaactntt ntcnatggag agantcactc nngncntanc ancggnnccg gnggatcaag      180
aganaacngtg tancnctcng aggatataac tnnncaagat ntactactga tgcanccnat      240
tntngccttn nacntgnngg cattacacnt gctnntgatg ntagnntnaa atgnnttaac      300
agnanncnnc cnattcatga ctgccgtggg atctaaggga atcaatgcca actgtntacn      360
tntggactct naaagctaat attgtacatg gtctatcagt ccnggaaatn tngcttataa      420
tatnmatgng ncnttttaat gacntntatn nnnnagatcn ctcacttttn cnanagggt      480
ataatgagat tcacgaagtn tgcttacnng agagcanaca tccggtnatn atactgaaan      540
tcctgtggnn atnaaggntt ttgaacactt gcaattatnt gaattaattc agcncctggg      600
aagaactncc aggaagtcca cananagant ccattntgtt gaaactgcct ntggatanta      660
ctccantgnt gnatgctctg ntganatctt ccanntgggc taccgattna aggccatggg      720
caagntnctc acttngcagg nctgaattac c                                     751

```

<210> 4900

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(719)

<223> n = A,T,C or G

<400> 4900

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gtcttgtcct cnnaaacctt ttgcacttcc tctttttgca ggatccctcg attcgaattc      60
ggcacgagag aggggtgggg ctggccacat aggtnnctct gtggctctgg tctgggggta      120
gacactgtta gggactagca tttattggac ttgtaaagac agcacctcag aattagtaac      180
tacttgcatt ttanggtctg ttntatgaan ccaacaagtg aatgtaaaat aggctctgca      240
tcttttctga gagccctgtc actgggcagt gagcatttcc aaaattgcag ctctgtcana      300
atgaaccatg aatacttaag aaagggaaag taggaacagg gagcagagca aagcataact      360
tgctgtgttc cagggattta aaaataaatt actgtcaaga gcaatataag ggtcatgggt      420
ttgatcanga actttttgta aatgaaaaag ttcacaattn ggaaaaaaca gtgctagatg      480
tgttatggaa attgttatca caaattatc cactgaaact caagtatata anacaacaat      540
atattgctgn gaaatcttan ttntgacata tggaaggtaa ccaanaataa naaccatacc      600
tttttgcctg aagtgcacgg tggtagcaat ttctaaaatt agaaacattt aagccaaaan      660
atantnaacn ncantacccc ctctngaaa naaaaaanc tcgnaccntt ttgaacttt      719

```

<210> 4901

<211> 719
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (719)
 <223> n = A,T,C or G

<400> 4901
 gtcttgtcct cnaaaaccct ttgcacttcc tctttttgca ggatccctcg attcgaattc 60
 ggcacgagag aggggtgggg ctggccacat aggttnctct gtggctctgg tctgggggta 120
 gacactgtta gggactagca tttattggac ttgtaaagac agcacctcag aattagtaac 180
 tacttgcat ttaggtctg ttntatgaan ccaacaagt aatgtaaaat aggtctctgca 240
 tcttttctga gagccctgtc actgggcagt gagcatttcc aaaattgcag ctctgtcana 300
 atgaaccatg aatacttaag aaagggaaag taggaacagg gagcagagca aagcataact 360
 tgctgtgttc cagggattta aaaataaatt actgtcaaga gcaatataag ggtcatgggt 420
 ttgatcanga acttttttga aatgaaaaag ttcacaattt ggaaaaaaca gtgctagatg 480
 tgttatggaa attgttatca caaattatc cactgaaact caagtatata anacaacaat 540
 atattgctgn gaaatcttan ttntgacata tggaaggtaa ccaanaataa naaccatacc 600
 tttttgcttg aagtgcacgg tggtagcaat ttctaaaatt agaaacattt aagccaaaan 660
 atantnaacn ncantacccc ctctngaaa naaaaaancc tcgnacntt ttgaacttt 719

<210> 4902
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (779)
 <223> n = A,T,C or G

<400> 4902
 tcattcnnt nctagnnctt ggtgcgganc cntcncttcg nattcggntc naggtcttca 60
 ctgntggctg gttcccaagc aggantgncg agctctggtc cnttcaaaac tnaaggctcg 120
 cttgaacntg acntagactc ctaatgcctt gtttgcnena ctacngaacc ntncnataga 180
 catcgnnnnn tcngatngtg acacagnctt ngncnatcnn tatacngnnn cngnctntat 240
 antaaggntt ntnggantnt ggacgnacgt ngtnagatg natagactca gactcatctg 300
 atgtgatgat aagacagaan tggagngccn gacntgantt gtctgcagga tngtctgaa 360
 ncnnatgtnc ctgtgtgtga tcttaaagat gtgaatgctn tnagncnnat nnccttaatg 420
 nntgmnacga gttcgacaag atttgcgatt gacttccana cnttacnenn tngtngtctt 480
 gntagatggc tntaaanact tggntctcnn atgtgggtcat atggagaacc ccttnctgng 540
 negancnttg ntcangcctn gntttttcnc ctggaagnag gntcccactt tnggcttgcn 600
 caattngggc naatggcatt nncctttttg gggngncncc cnancttggt nggttnaach 660
 ttcntaagg gccanaanc cntttnanct ccccttttnc ctgcccantt ctcaatccac 720
 cntnaattt ccnaagngg tttntaaaac tntnaaacct tttcnanaaa gccctnct 779

<210> 4903
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (779)

<223> n = A,T,C or G

<400> 4903

tcattcnnnt	nctagnnctt	ggtgcegganc	cntcncttcg	nattcggntc	naggtcttca	60
ctgntggctg	gttcccaagc	aggantgncg	agctctggtc	ctntcaaaac	tnaaggctcg	120
cttgaacntg	acntagactc	ctaatagcctt	gtttgcncna	ctacngaacc	ntncnataga	180
catcgnnnnn	tcngatngtg	acacagnctt	ngncnatcnn	tatacngnnn	cngnctntat	240
antaaggntt	ntnggantnt	ggacgnacgt	ngtcnagatg	natagactca	gactcatctg	300
atgtgatgat	aagacagaan	tggagngccn	gacntgantt	gtctgcagga	tgngtctgaa	360
ncnnatgtnc	ctgtgtgtga	tcttaaagat	gtgaatgctn	tnagnncnnat	nnccttaatg	420
nntgnnacga	gttcgacaag	atttgcgatt	gacttccana	ctntacncnn	tgntgntcct	480
gntagatggc	tntaaanact	tggntctccn	atgtgggtcat	atggagaacc	ccttnctgng	540
ncgancnttg	ntcangcctn	gncttttcnc	ctggaagnag	gntcccactt	tnggcttgcn	600
caattngggc	naatggcatt	nncctttttg	ggngnncncc	cnancttggt	nggttnaacn	660
ttcctaagg	gccanaanc	cntttnanct	ccccttttnc	ctgcccant	ctcaatccac	720
ctntnaattt	cccnaagngg	tttntaaaac	tntnaaacct	tttcnanaaa	gccccctnct	779

<210> 4904

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(779)

<223> n = A,T,C or G

<400> 4904

tcattcnnnt	nctagnnctt	ggtgcegganc	cntcncttcg	nattcggntc	naggtcttca	60
ctgntggctg	gttcccaagc	aggantgncg	agctctggtc	ctntcaaaac	tnaaggctcg	120
cttgaacntg	acntagactc	ctaatagcctt	gtttgcncna	ctacngaacc	ntncnataga	180
catcgnnnnn	tcngatngtg	acacagnctt	ngncnatcnn	tatacngnnn	cngnctntat	240
antaaggntt	ntnggantnt	ggacgnacgt	ngtcnagatg	natagactca	gactcatctg	300
atgtgatgat	aagacagaan	tggagngccn	gacntgantt	gtctgcagga	tgngtctgaa	360
ncnnatgtnc	ctgtgtgtga	tcttaaagat	gtgaatgctn	tnagnncnnat	nnccttaatg	420
nntgnnacga	gttcgacaag	atttgcgatt	gacttccana	ctntacncnn	tgntgntcct	480
gntagatggc	tntaaanact	tggntctccn	atgtgggtcat	atggagaacc	ccttnctgng	540
ncgancnttg	ntcangcctn	gncttttcnc	ctggaagnag	gntcccactt	tnggcttgcn	600
caattngggc	naatggcatt	nncctttttg	ggngnncncc	cnancttggt	nggttnaacn	660
ttcctaagg	gccanaanc	cntttnanct	ccccttttnc	ctgcccant	ctcaatccac	720
ctntnaattt	cccnaagngg	tttntaaaac	tntnaaacct	tttcnanaaa	gccccctnct	779

<210> 4905

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(720)

<223> n = A,T,C or G

<400> 4905

ttgcnaactt	aatggcttgg	gganactngt	tctntctcna	ggntgcnnng	cgttttcgcaa	60
aaaggcaag	accaagacca	ccaagaagcg	ccctcagcgt	gcaacatcca	atgtgtttgc	120
catgtttgac	cagtcacaga	ttcaggagtt	caaagaggcc	ttcaacatga	ttgatcagaa	180

cagagatggc	ttcatcgaca	aggaagattt	gcatgatatg	cttgcttctc	tagggaagaa	240
tcccactgat	gcataccttg	atgccatgat	gaatgaggcc	ccagggccca	tcaatttcac	300
catgttcctg	accatgtttg	gtgagaagtt	aaatggcaca	gatcctgaag	atgtcatcag	360
aaacgccttt	gcttgctttg	atgaanaagc	aacaggcacc	attcangaag	attacctnag	420
agagctgctg	acaaccatgg	gggategggt	tacagatnan	gaantggatg	agctgacaga	480
gaannccat	tgacaaaaag	gggattcaat	ncatcnagtt	cacacgcntc	ttgaaacttg	540
gagccaanac	aaaattactg	aaaggaactt	agctaaanct	ttncanttcc	atggcttact	600
ctttttactt	nttaaacctt	ccccnccttt	tanaacntnt	gnatttncaat	taatttaana	660
attttggcen	tttttttttg	gggggttntt	nccanctttt	tncctttgnc	tttggttaan	720

<210> 4906

<211> 1593

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1593)

<223> n = A,T,C or G

<400> 4906

ttttttggna	aaaaancccc	caaantance	aagggccctt	aacctttggg	ttttcttttt	60
ttttnggcca	ggggggaatc	cccccnatnc	cggnaatttt	cccgggaaaa	tttnccgggg	120
gccaacggga	aggggaatttn	gggtaagncc	aaaagggttt	ccaaggccta	aattggggng	180
aaatntgggg	ctctttcnct	catcnanggc	actactncnt	cgctcntaac	aanannannn	240
tatntanmtt	tntatacctt	atcanncaca	annnnctect	nctacntacg	tatacatntt	300
ataatnnnat	ttanctatcc	atnctactnc	cctcantcnc	ttataantac	ctntcctact	360
cctacatatn	gacnncctga	ntnttnnctn	anacnaancn	ncntntnnna	tntnttctct	420
attanttaaa	annntccnnc	tagtncttat	atantatcan	tacttnntct	atnaccgatc	480
acntntnaan	cnttatcttt	cntatntacn	ctacnnatnn	ccatnattat	cgtctnatTT	540
ancttntnat	ttactacang	antgntctat	catnctcnna	tancnacnnc	tctnttccat	600
actnnncnatt	tgacnacngn	ancatngttg	ttctccntat	ncatgntcgt	ttnatatcann	660
actacattat	caatnatntc	nctnantatt	cnaanntacg	cantncncat	nnctactcan	720
nnanncnmta	cctactnant	tctnacnatg	tctntgttaa	ctatattaac	cgtncgnacn	780
tanacatcaa	gtnnacatac	ntancngan	acataccaaa	ncnatamnta	acatatcnct	840
nacttacana	nngacnattc	tactacatca	atctacctnt	ctgtaangna	ccctttatga	900
tactaccaaa	ancatncgnt	ctacttctct	cactccntac	ncatacnant	nttgcattnng	960
cnatcncacg	tannnncceta	cactatagct	annnttgntc	tcnttttntc	tcactantcn	1020
ncactntnta	natanntant	ctntctnann	gnctctgtng	tnaaactcca	cgcantntaca	1080
ccgctcnnaa	netccctacc	canctnnctn	tatcccttcc	nnntnaann	tatangtctc	1140
tatatacnct	ctncanantn	acatctntta	ttctccncta	tgctcccttc	aacaaaatac	1200
acannanact	nactcttctn	aacatangac	atactncggn	tctanantca	tcanntant	1260
cananantnc	ntacnnantc	ancttcttta	nnanaccnnc	gtatntntct	tntctnnnat	1320
ctntntncnn	tntctaaatt	tagttncctn	cctcncatgt	nttancncaa	nacactntca	1380
tncatgcann	ttcnatacna	atacntamnt	acatntcatn	canntnnatt	actnaangac	1440
atanngcca	tataactan	gattgtaaca	ttcatnanna	ncnnncngnat	ntacacntta	1500
ttctctatat	natactctgn	atntcacnnc	ttctntcnat	ctntacnann	tcangttmnc	1560
ancacnatct	ntctnacntc	ancctccaaa	ccc			1593

<210> 4907

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 4907

gnncttngaa	tttaannccn	ttngctactt	gttctttttg	caggatccca	tcgattcgaa	60
ttcggcacga	ggttcctgat	atggcnggct	atcctcacat	gtcgttacat	tncatcagga	120
ttggatggaa	catcattcag	aggtcctttc	acgggcaatt	ttgaggaact	gattcatttg	180
gaagaaagat	taggcaatgt	caatcgtgga	gcaccccang	ggacaattga	aagatgtaca	240
tatccacata	aatacaaaan	ggttacaact	gattgggttct	cacagaggaa	actgcactgc	300
aaacaagatg	gggaagaang	gactgaggaa	gacncacagg	aaaaatgtac	tatctggtng	360
nctatttttag	aggaagggtga	agatgtgaga	cgtcttgcat	gtatgcacct	tttccaccaa	420
gtgtgtgttg	accaatgggt	gattccaata	agaantgccc	catatgcaca	gtggacattg	480
ngcccctctg	ccaagtgaag	gntgacacca	tgttttnanaa	ctnttgccct	ccctctcatc	540
ccattacttc	ctgntgctgt	acttcaacnc	nnagatggca	tgacttacct	gcgcagattt	600
ggaagcattg	naacttataa	tgctgntnt	gctatatggg	acaacttatg	cttagaccta	660
cagtttatgt	atcaagtggc	tttgangtnt	tatnaaagct	ttttttctag	attgacnttt	720
tcngctcant	tactgggtnt	tgcnnggtc				749

<210> 4908

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 4908

ttatnctgtn	nnnnttttna	aannatagct	acttgttctt	tttgcaggat	cccatcgatt	60
cgaattcggc	acgagccgga	acaaggacca	ggaggtgaac	ttccaggagt	atgtcacctt	120
cctggggggc	ttggctttga	tctacaatga	agccctcaag	ggctgaaaat	aaatagggaa	180
gatggagaca	ccctctgggg	gtcctctctg	agtcaaatcc	agtgtggggt	aattgtacaa	240
taaatttttt	ttgggtcaaat	ttaaaaaaa	aaaaaaagcc	tctagaacta	tagtgagtcg	300
tattacgtag	atccagacat	gataagatac	attgatgagt	ttggacaaac	cacaactaga	360
atgcagtga	aaaaatgctt	tatttgtgaa	atttgtgatg	ctattgcttt	atttgaacc	420
attataagct	gcaataaaca	agttaacaac	ccaattgcat	tcattttatg	tttcangttc	480
agggggaggt	gtgggaggtg	ttttaattcg	cggncgcggc	gccaatgcat	tgggcccggg	540
cccacttttg	ttccttttagt	gagggttaat	tgcgcgcttg	gcgtaatcat	gggcatagct	600
gtntcctgtg	tgaattgggt	atccgctcac	aatttccnca	caacatacca	acccggggagc	660
cntaaagtgt	aaancctggg	ggtgccttaa	tgaagtgagc	taacctcaca	ttaaattggg	720
gttgcgtca	ctggnccect	ttccagnccg	gaaacctttc	ttgccaanct	ggcattttaa	780
gnaatnngg						789

<210> 4909

<211> 1214

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1214)

<223> n = A,T,C or G

<400> 4909

gcncttcccc	cttnttnaaa	cnnttttnaaa	acccttggtt	aaaccccttc	nnatttctna	60
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tngcttggn	ctacctnctn	nacctnannt	nnnatncac	ggntngcnnt	tttncacgtt	120
ttnnccnccn	cttntnctact	cagcaacttt	ntnacnctta	atntgcanct	nntctnctan	180
cgggngggccn	anantanatg	gnataacang	gntgtcnncn	gactgntcct	ggccntgnaa	240
atancatctn	tnatggntaa	ncacannttn	tccanagcnn	aatagnntng	gngccnctg	300
aanccccaan	ncctnattnn	cagcaccac	ctttattatt	nantatgna	tcataccanc	360
tcgannncct	atnggtggnt	ntctngngcc	antgnaatat	angccgcagn	catntngnnt	420
aacgntatcg	ntgcaacant	cnntccaact	gnaacantng	ctcntnctt	cgccactnnt	480
aatanntnccg	ntcattacca	agtatnanaa	ngntatcttn	tncacactaa	ntnagcgngc	540
ncaaagntng	natnatcact	cnnatcnata	actnnnantn	atnnnnnang	gtncaanatc	600
ttttntanat	cnntatattt	atantcnant	tntantnnna	attcanntgc	ttgnnancac	660
atgnanncta	nnnttanntn	annncnntat	netctttatn	gctnttcccn	tttnnantnc	720
anttagacnn	tacntnnccn	tnangegcnn	ntattaanca	acannannnt	tnnantcann	780
tnctctntnn	cgattctntc	gncnccntc	actgcncnnc	ntntctnct	nctntnccn	840
ntnctnnnnn	nngtcnnnt	ntctcttct	tcagncnctg	tcacgctctn	atantannac	900
gtatactntc	tnctnttann	atactcgana	cacactgntg	atatannctt	ntntacatct	960
atcantacgn	ncnanatcat	anantnntcn	atanctctca	cactctntca	cgatngtntc	1020
atcgaccac	ttcgnnactc	atagatntnn	atatanntac	cnngtgntan	tctnntnnat	1080
cantaanaan	gcangcacga	cgnacatctt	gctntcnmnc	natntcnmct	ctcnatnatn	1140
nantnacact	aancacnata	cncactaact	atattactcn	catntcancn	ctactctatg	1200
actctancta	ngcc					1214

<210> 4910

<211> 1192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1192)

<223> n = A,T,C or G

<400> 4910

gnaaaggggt	nnnctntntc	ttntctgct	ttngtcatc	gtctcgacn	gngnctcngn	60
ctgntctaga	tgacctctcc	gcttttttn	catngaaaag	ctcnanacnt	gtnnctaaat	120
ataannctna	agannggacn	ctanaaanng	ctcactatac	atgctcaact	aaacnncccc	180
tganttatat	gcgctaggng	aagcatgctc	ntnactaga	caattgactc	tgctttagnt	240
aattccnatt	ccggaactc	gcgcaaccg	gtnncttggg	gacctcctat	ctcntngaaa	300
cgatgaaaaa	gcccaccct	tttagngtcn	cncctngagg	aaatnggcgc	cattgggcga	360
nattcgccct	ccaaaaggaa	aangnggggt	tagacncang	nccttttcac	ccctngggna	420
ggngttgnaa	gnggaatagg	gnctcnaaat	ccccnaatt	tcctnngngt	nnaaatgggg	480
gccacctcng	taaccantcc	cttggtgggg	gaaaaatttn	gccttnatta	ncccttnact	540
nngggnaaac	ctttncggga	atngttangc	aaaaattttt	tggcttgggg	gccttttttg	600
ggcctaagg	natttcnggg	ggnnttancc	ccaaaatttn	tttcgtnggg	gncanattna	660
ccaagngnnn	ccanttggan	acccaattg	gttgggccct	ncccttggg	ttntnggggc	720
ttaccttana	aaaatnctcn	gagggggcnt	taaanccttg	gtnggaacct	ttttttggaa	780
aaggttttcn	ccngggnnnt	nccnttttna	aagggcgtta	atancccnng	ggtcttagtt	840
tnggnanaaa	anccaatntt	nttncnccnaa	attgggtttt	ggggcnnttg	gtatcccccc	900
gnaaattncc	aattncaaaa	aatttcccnt	ggggnnccaa	ttttncnta	ancccttttna	960
aaccgggtta	aaacctnggn	ggggncnct	ttnttttngg	ggntnnaana	atttgcccn	1020
accgtnttta	acctnttnc	ccctttaatt	cgngntttnn	ccccannntt	tttgtnggcc	1080
cctaaacgng	cnaaccagg	ggaccttttt	nggggaaanc	cttntccat	ganaaccctt	1140
tccttaaaaa	aaggnggtgn	cnacnttggg	aggaancatt	nnttggggaa	tn	1192

<210> 4911

<211> 1006

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1006)

<223> n = A,T,C or G

<400> 4911

gcncannccg	annnccncan	ccannccnnn	ncnacncccn	aaacgnnana	agccgacgcc	60
acangncccc	gcganccccc	aggctgaanc	ttgcnttcaa	aagctggaan	cgacacgctn	120
nagnncnagc	nacngcncgn	gncacgaggc	ccatgtncag	nctccaagac	cnnccangaca	180
ccgcccgaatg	ggaagccccc	gnggncngga	ggcgcacagg	aagaagggga	tnggggcagg	240
aanaagccca	nggcccgaag	aagaccggag	gaccanaaag	gncaggaaga	gacacncacg	300
cncgcncnca	cannnncgcn	acaaganacn	ancangggga	gcgacnagcn	aacanncaca	360
gnangagaag	ngancaccat	gngcgacgna	nncacacgca	ccnagcgngc	nagaatggac	420
ncanagacca	canngtgaga	annaagccnn	agacganaag	aacncangng	ccgcangcnc	480
ccngagaggn	ncccccccg	canaacatgn	cancnactac	accngncnna	cnaaggggac	540
tcaggngata	ngaaggcncn	acancgceng	naggnaaaac	nngcacacnc	nggaaacnnn	600
gaaccntgna	angnnnnncn	aaaaaaaccn	canggggnaga	aaagagcaaa	gngcgngcac	660
gcagggggnn	cgnaannana	aaaccnngc	aggngaaaac	cacngggcta	naaccaggnc	720
ncaagngnac	ggaanaacaa	cgagcnaaag	nnacactaan	gaaagnngng	cgcaacngna	780
aaggggnaac	nanccncang	ncncacgcan	gggaaacnan	cgnnnaccga	naaaaggggc	840
aanngagncn	ccnnggggaa	aaggcaccaa	naagctataa	cccagagagca	gagnnnanng	900
ccccncgcca	gagaaanccc	agagnaanna	ngacgnaann	aancntcnaa	naaacagcgc	960
ncaaaangcg	tggnacannn	caaacancna	acnccngnna	ancccc		1006

<210> 4912

<211> 757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(757)

<223> n = A,T,C or G

<400> 4912

tnaatatcag	ctcttgttct	ttttgcagga	tcctctgatt	cgcanagagg	tgttcgactg	60
ctngagccna	gcgaancgat	gcctaaatca	anggaacttg	nttcttcaag	ctcttctggc	120
ngngattctg	acagtggagt	tgacananag	ntaancagga	aaaacaagtn	gctccagaaa	180
ancctgtaca	gaaacataag	acaggtgana	cttcgagagc	cctgtcatct	tctaaacaga	240
gcagcatcng	cagagatnat	nacatgtntc	atattgggaa	aatgaggcac	gttantgttc	300
gcnatTTTTAA	aggcaaaagt	ctaattgata	ttanagaata	ttgnatggat	cctgaagggt	360
aaatgaaacc	aggaagaaaa	ggtatttctt	taaatccana	acantggagc	cagctgaang	420
aacagattct	gacattgatg	atgcagtaag	aaactgtgaa	attcgagcca	tataaataaa	480
acctgtactg	tctagtgtnt	ntaatctgtc	tttttacatt	ggcttttgtt	nnctnaatgt	540
tctccangct	attgtatgtt	tggattgcag	angaatttgn	angatgaata	cttnntttta	600
atgngcatta	ttaaaaaatat	tgagtgaagc	tnatngtcaa	ctttattaag	gattactttg	660
ctgccaccac	ctagtgtcaa	ataaaaatcaa	gtaatacaat	cttaataaac	ntttaaacta	720
taaaaactcg	acccttagac	ctatantnag	tcggttn			757

<210> 4913

<211> 711

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (711)
 <223> n = A,T,C or G

<400> 4913

gtnactaatg	gctgggctac	tcgttctttc	cgcaggagcc	cancgattcg	tcnagtgnlc	60
gnngnttgtn	antntnngcc	nnggcantna	ttnattgncn	ntngatgatt	gatatcaaca	120
nttgaggtaa	aaatatncat	gaggtctaaa	tataacatgt	aatgcaatn	tcatacttta	180
tttncattgg	caagataaca	ttgantaccn	atactgnggt	atttgacaaa	caagcttgat	240
gcacgtgat	ntcnncttta	tttccctttt	ccttgnttta	aaaagatgca	ctgcgttgtn	300
atncncnggn	nataatganta	ctatgngcac	naaaacnana	anntcngatc	attcgantag	360
agganaaatc	nganctncan	tcncattcgt	tctnattcng	nngnanggat	ctngtaggtc	420
ctcctttctn	agatgtggnt	ttaggccagc	agcntaggca	tccctgagac	tccttataaa	480
tgcataaatc	tcaggcncag	cccagatnac	ttggagcata	atntgcagtt	tgcaagatcc	540
ccaggcaatt	catgtgcatg	tgaaatnngg	acaagcacct	ttntgggcga	tgcaaagcca	600
ctcatnctcg	cgtgcctatn	acgggttnca	aacacatcgg	atcccatctc	aggagcctga	660
cccgtgtnta	nctanattaa	ncttcactgn	tgatcttnat	gatgcataatn	a	711

<210> 4914
 <211> 749
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (749)
 <223> n = A,T,C or G

<400> 4914

agagnnnnnn	nnnttgctgn	ntactnaatg	gcttggggttg	gttggttcttt	ntgcagggnag	60
cccagcgatt	cgccgggtct	agccaacatg	tgactacaac	tgcatgaaag	accttaaattg	120
agacctactc	agccaaactc	ttcctaagtc	ctgtccaaac	aaaaccatga	aggataagaa	180
atggttatta	ttatttttaag	ctaccacctt	ttggtgtgat	tattatatgc	aataataggt	240
agcagacact	ggcttttggt	ggacatgtat	gttctctgca	tattctgctt	ttgtgcatgt	300
ggagaaatgg	gctttctggg	ctgctgacaa	tgaggaggta	gagatgttgt	tcaggcagat	360
gcgttttagac	ttcgagtcca	ctttctcctt	ccaagaacta	tgtggcctta	caaagtctgg	420
ggttggttta	agaaaacaga	actcttaatg	tttgtaaaca	ttcctgtacg	agagttcatc	480
catcatttgn	gtctctctag	aaaggctcata	cgcagaaaat	gtagtgggtgt	agcaaaattt	540
taaacttttc	agactggcaa	aaccctttct	ttaatgtata	gtattactac	tcatgtccat	600
tatgaaccat	gacccaggga	gactctgctg	anacaggctg	catctnctcc	accttatcct	660
nctaagacan	gcttctacct	aaggggacat	agaatttacc	cctggttgtn	gggtgggtgtg	720
gattcttncc	aactgnctta	atccactgg				749

<210> 4915
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (542)
 <223> n = A,T,C or G

<400> 4915

atccctcnnt	tntcaantca	tattcctcac	aagcannctn	tanaatntct	nancactttg	60
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ttctntcneg cnaaggngga cgcatntga ggactttggt gnnnntgann acttggtga 120
ttcacatgcc anggcctngn angaagcagg agaaaggana nngngacng acttaaactg 180
gtncataacc atccttacca ccngaagcta tccanagctt ctgagagngt tgcagaanta 240
caccaantac acnaancatg acatgaacaa agntctngac ctngagnaga aaggtnacat 300
tgctaagtgc cttnacagct ctctggaacn gcgccacagg cgaaccagct ttctttgcag 360
agaagctcta tcangccatg aaaggtgntg gaactcncca tanggcattg atcacgatta 420
tggntncccc ttctnaaatn nacatnaatg atntcanagc attctatcag aagatgtatg 480
ggntctnctt ttgccaaacc atcctgnatg aaaccngang agattattga agaaaatcct 540
gn 542

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<210> 4916
<211> 1285
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1) ... (1285)
<223> n = A,T,C or G

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<400> 4916
gaaagnacna aagncagctt gacagggatt tnaangnntn ggaacncnnn ttctcnaagc 60
ngnntgggtcn ngatnantta tanatatgtc ttncatatn angaacnaaa ntatntntgg 120
gnggggnttc tntctngagng atttctgtna ctctngantt nntaatgcnt nanantgtg 180
ancgantnng gtnaattggn cctancagca ncatgtancc ntaaaaacgc atncnatatn 240
tcttancncn nagnggtncn ncgcattat ctatgncctt cttnaactga nntntaangg 300
nctntgtant ncgngaanc ttaagttnat tcacgncnta tattctaant catgttccaa 360
nnnncctatc ctgcanaatt acnctgcnnn tgatccntgg catcnnngaa gntcantncn 420
gmncaattat tcatnatatt gtggcattnn tctnattna tactancgnc ntcncntan 480
atatatanaa gncngcaanc tctgtngaen ncttcnaat ntgacnnacc cgtntattat 540
atgcatnaac centatcctn atcnantctt agtgtggctc ttaggcaccn annatttatg 600
ggnaccctgt gntcaaatn ggntctccgt nantnacng ctctcnattt aangntnang 660
nctaacntaa cctcttttgc tgggtacaat anggcgnacn ctccnctnnn nacatttttg 720
nnanaaagnc tacntgggnt cactatntna nantacncc ttttatcggt acntngcgta 780
atnattgncc atatgtgata cgngnccaac aaaatgtcac tntatataen tntggntcnn 840
acntcnnctg tanncnctt atntaantt cannttttac atanannctt aaaacntntt 900
gngcaaaaca ccaatnggng atctnnnga aaaattanca tnggtttttt ggctactttn 960
ctatntcatt naattaccgn nntatctcna nctantntaa ctacnntttt nanaaaggng 1020
tcaatgggtg tcatctctca gngacacctt cncctatata ncatnctnta tntagtataa 1080
tctcanaaaa cctcctctt naaantctnt gggnacntna anaanacgtg actntcannt 1140
cgaanccttg nntntntaa tnnngatant agggnggtac naaaaaaann ngtgtttata 1200
aacncancnn ttnaannnt tctctatatg ngcaatttcn acggtattnc tnncnngtcc 1260
ccatatatac tanatcacn tatnn 1285

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```

<210> 4917
<211> 782
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (782)
<223> n = A,T,C or G

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<400> 4917
ggnncctnnt tncngccttt ngaanccnn agttccaaat gctgggttag atcagctctt 60

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gttctttttg	caggaccctc	gtcanaatc	cnacagggag	anttcgggna	ntntttannn	120
ngagacngag	tctggctcnn	tngccagccn	gagggcggan	aancncctga	acctgagang	180
tggacncngc	gctgagccga	nacntttaca	ctgcactcca	gcctgtcnac	agantgagac	240
mntntctcaa	agnatgtata	atnctnacaa	nnnctccacn	ngancaaann	nnnangannc	300
cggannacgg	agnctcctnc	cctnaangan	ccntggaaga	atggagncac	ccagnngctc	360
natttntggg	nnntnnnact	tnngccgtna	aatggatgan	caagggctca	ancagtnccc	420
tncataatct	gccctnaacc	cntncaaann	aacatntnnn	gccantctnn	cttcanaaac	480
nggaaggagc	cccnatgac	atnccagtcn	nagcccccac	cgaggaacna	ggccnntgnc	540
ccnanntgag	tgcnagnana	agggcnccct	gccanagccc	ctgccggmnt	tcntncaana	600
anggaaagaa	nangaagcaa	ccntggaaac	tcgctctgcc	aangagcncc	nngacaangg	660
ttnaaccggg	nggccnnnt	ctgagcttng	ccgcctttt	ctgngggncn	cccccaagaa	720
gtgtttacac	cccttaatcc	ccnctttanc	nctngatttn	nggggggnc	naaccgggat	780
nn						782

<210> 4918

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (812)

<223> n = A,T,C or G

<400> 4918

gnnnnnnnnt	ttnnngctnt	tgaaaacccc	tttgtttcaa	agaccnagtt	cttgttcttt	60
ttgcagggat	cccatcgatt	cgaattcggc	acgaggtcac	aggtaaaaaa	aangtgcgtn	120
ataagtnttg	ttatcggtgg	actttataaa	agcaaangaa	attgangtaa	cttttgattc	180
tggtntcaag	attcatnttt	ncatacaggt	cataactgnc	ttnttgnaac	cctttcacag	240
ggcactgnnn	gatgggatta	aaggtggcaa	ttactggata	actgcacatg	cctctacttn	300
gttctaaant	ctangtcatg	aggtgatttg	atttacttta	tagangctgg	attttgaaga	360
tctaattgna	aatgttatga	tnatatcagt	gngtncaaaa	aaagcaccag	caactgataa	420
aaatcgcntn	tttgtgcgct	acccaactgg	ttaaagccaa	tgtgatcttt	tatggngaaa	480
ctcctaagan	acangtggtt	ttgctgnaaa	cttgncanac	ccttaattat	agnccggtgct	540
aatgagccta	ctgcaatata	aagccaccat	tnttttttat	caaacatctg	aattcatttt	600
acaaaggcta	ttgttagggc	attattttga	gcactctatt	tgaggtgatg	ttnanaaaaac	660
tttaacntca	aatcaaattg	aaaattaatn	taaatatatt	gncttaagga	ccttctaaag	720
aatgtgccac	cagactttaa	tggatagttg	cnannatcct	tgntaanaaa	caaaaaagtt	780
gcttaaacat	ttctttttaca	agangntttt	tt			812

<210> 4919

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (782)

<223> n = A,T,C or G

<400> 4919

ttctaattgcn	aggttctagt	nctgttgaan	ncccngetat	tngattcggc	acgaggnccct	60
ggctactggg	gaggtgatg	cccganaanc	atgttggccc	aggagtnaag	gctgcagtga	120
gctttgnttg	cacngtgc	annncatnct	ggccngccca	nngmgncn	gccacaccan	180
aaattatgtn	ctnagtntan	nngcntcnga	aggcctantc	tcgnaccaga	gttnctctta	240
ctggattatt	tttagattgt	tattaacatt	nctggctcnt	ancctttactc	agtctggatn	300

agaaaaagaa	taccatgcaa	ttgttaacta	ttngatgttt	actagattaa	ctattaatat	360
attgttggtg	tccatattta	agagttactt	tgttnctaga	gatttcatta	tagtggngnt	420
taatatannt	ttgggtattt	ttaactaaaa	atcattgcta	tccttcaact	gtagattcta	480
ctatgaaatg	aggaaaaatc	agcaatagaa	ttaattgggt	tcaaagtata	taaataatga	540
tgtgggaaag	ggaagtcnga	gggtatctct	ggaagaactg	atztatctga	aggtaatact	600
gngtgaaaga	acctaagatt	gtngacanag	catgcttnat	gcaattntgc	tggtccatag	660
tagtantaga	ggctctataa	aatgtgttgg	ggtgtttttg	ncttttaang	agacnagtgt	720
ctcgctntat	tggcccagga	gtttcaaacc	tgnagtgcc	cngtggnttn	ncacctgtga	780
nt						782

<210> 4920

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (781)

<223> n = A,T,C or G

<400> 4920

agggnnccnn	tgttctctcc	tnaactcnnn	nntgncagcc	ttnttcgcct	accagaaggg	60
gtngggccgc	gctgacggcc	cagntggcgn	ttntctcca	ttgtgtatat	gtacatagnn	120
tnnatcacta	gattgnacnc	tcctcanggg	cacgaaccgc	aacatntatg	cngtgcctgc	180
ancnccta	gtgaanngcc	tggcacactg	gtagcgtgca	tcattgacccn	tngaattgngn	240
gagtaacnac	ctgccnnanc	acgatgnnat	gcngttcacn	tcccctgtgn	acnncncngc	300
gnngcaantc	ctgccatang	agggcgngat	tccaacncgn	gggnnnactg	gcncanctgg	360
gttgngaccat	atcatcccac	atccnnacca	ctngctaacc	cannntcact	gnagattacc	420
tgtcagagac	ctgcgttcgc	tatctaatat	tcgngctgag	gntcctagga	anatctggaa	480
ntggggaaga	ttatggagaa	aatgaaaang	gaaattcggy	gagggngggt	ngcagtataa	540
agccctgtgg	gggaaaacat	attttagctc	ttacttggta	aaaagggtna	ncagaacctc	600
tggtttcttt	accaangtcc	nctggntngg	nccatttctt	ccaattggat	gaacnacccc	660
tttggttttt	tannctcctt	tnctcaattt	tggggaattc	cccnntcnaa	tnggctttac	720
natngaantc	tgggnanctt	naanangtcc	taaatanaan	ttncctgggg	naatntggta	780
c						781

<210> 4921

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (730)

<223> n = A,T,C or G

<400> 4921

cacgagggct	gccagaaact	cattgaagng	gacgatgaac	gcaaacttcg	tactttctat	60
gagaagcgta	tggccacaga	agtnngctgt	gacgctctgg	gtgaagaatg	gaagggttat	120
gtggtccgaa	tcagtgggtg	gaacgacaaa	caaggtttcc	ccatgaagca	gggtgtntng	180
accatgggcc	gtgtccgcct	gntactgagt	aangggcatt	cctgttacag	accaaggana	240
actggagaaa	gaaagagaaa	atcagntcgt	ggttgcatgt	tggatgcaaa	tctgancgtt	300
ntcaacttgg	ntattgtaaa	aaaaggagag	aaggatattc	ctggactgac	tgatactaca	360
gtgectnnnc	gcctgggccc	caaaagagct	agcagaatcc	gcaaactttt	caatntctct	420
aangaagatg	atgtccgnca	agtatgttgt	aagaaagccc	ttnataaaga	angtaagaaa	480
cctatgacca	taagccncaa	nattcagccg	tnttgntact	tncacgtgtc	ctgcatcaca	540

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aaccngcggc gtatttgtc tagaagaag cancgtccc tngaaaaaan tnnnggaaga      600
aggcntggan gaatttgc anaacttnt nggctaagag naatngaaan gatgcctaaa      660
nggaanaagc nccaaggaan caaatttgt naaagnagac nncnnacntt ttcctnttgt      720
ngcnaagcnn                                     730

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<210> 4922

<211> 675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (675)

<223> n = A,T,C or G

<400> 4922

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gngngngnnnn nnnnnnnngnn agnnnnnnnn ngnnagnttn nnagngnnnt tttnnataca      60
gctcttggtc tttttgcagg acccatcgat tcgaattcgg cagaggcnc tcctgacnac      120
ngccaagcac tntnncggnt tccngtnnt cnnttcgagn tatngnaaan tnnnncattc      180
gtnnnnactg gnnatangnn tntatgaata cnanatgtng gacttcatna tgntcacacc      240
natagcatcn tatganagaa ttagngngcn cagantttac nacanagtan atgtccnnng      300
tcatgnacgc agatatacac aattctnaaa agtttacctn attcagntgc acgacttgga      360
tnaatggact ggc nataagg attacatagt nangactgtc acaattntna nagccgntca      420
nacctnccag ttcattggaga ctgatntgcn canagaagca ctgngcttgc ancggggtcn      480
atgtgcgtct gatatntgac cagnaacgnn caatagcttg gtattaaaac cncngcaatg      540
tnngnntgat tatgacacta cnaatgttgt nnacacttgt acgtacaca tnnnctacct      600
tacnaatatn tacttgtatt gntagagggc tntccanaga aatnntnnta tataccgaat      660
gcaacacctg ctacg                                     675

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<210> 4923

<211> 675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (675)

<223> n = A,T,C or G

<400> 4923

```

gngngngnnnn nnnnnnnngnn agnnnnnnnn ngnnagnttn nnagngnnnt tttnnataca      60
gctcttggtc tttttgcagg acccatcgat tcgaattcgg cagaggcnc tcctgacnac      120
ngccaagcac tntnncggnt tccngtnnt cnnttcgagn tatngnaaan tnnnncattc      180
gtnnnnactg gnnatangnn tntatgaata cnanatgtng gacttcatna tgntcacacc      240
natagcatcn tatganagaa ttagngngcn cagantttac nacanagtan atgtccnnng      300
tcatgnacgc agatatacac aattctnaaa agtttacctn attcagntgc acgacttgga      360
tnaatggact ggc nataagg attacatagt nangactgtc acaattntna nagccgntca      420
nacctnccag ttcattggaga ctgatntgcn canagaagca ctgngcttgc ancggggtcn      480
atgtgcgtct gatatntgac cagnaacgnn caatagcttg gtattaaaac cncngcaatg      540
tnngnntgat tatgacacta cnaatgttgt nnacacttgt acgtacaca tnnnctacct      600
tacnaatatn tacttgtatt gntagagggc tntccanaga aatnntnnta tataccgaat      660
gcaacacctg ctacg                                     675

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<210> 4924

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (750)

<223> n = A,T,C or G

<400> 4924

cgggnnnnnt	ncntttcnc	ctaangaaac	ncttntgant	ggcntggcta	cttgttcttt	60
ttgcaggcac	ccatcgattc	gattcaaggc	ctctcgagcc	tctttaacta	tagtgagtcg	120
tattacgtag	atccagacat	gataagatac	attgatgagt	ttggacaaac	cacaactaga	180
atgcagtga	aaaaatgctt	tatttgtgaa	atttgtgatg	ctattgcttt	atttgaacc	240
attataagct	gcaataaaca	agttaacaac	aacaattgca	ttcattttat	gtttcagggt	300
cagggggagg	tgtgggaggt	tttttaattc	gcggccgcgg	cgccaatgca	ttgggcccgg	360
taccagctt	ttgttcctt	tagtgagggt	taattgcgcg	cttggcgtaa	tcatggtcac	420
agctgtttcc	tgtgtgaaat	tgttatccgc	tcacaattcc	acacaacata	cgagccggga	480
gcataaagt	taaagcctgg	gggtgcctaat	gagtgcgcta	actcacatta	attgcgttgc	540
gctcactgcc	cgctttccag	tcgggaaacc	tgtcgtgcca	gctgcattaa	tgaatcggcc	600
aacgcgcggg	gagaggcggt	tttgcgtatt	gggcgctctt	ccgcttcctc	gctcactgac	660
tcgctgcgct	cggtcgttcg	gctgcgcgag	cgggtatcagc	tcactcaaan	gcggtaatac	720
ggntatncac	agatcanggg	gataacgcag				750

<210> 4925

<211> 1302

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1302)

<223> n = A,T,C or G

<400> 4925

gnccggcgcc	agtgcngtac	ccanagcaga	acgacccgta	aaacccttg	ggaangnccg	60
ggacgggncn	cnnnggccgn	nccncacncg	cncncmnac	acccntttt	nccccattt	120
tancaccann	atngncnnan	cangggggng	nannacngng	naaaaccng	gngagnccc	180
nnccgcnggg	ganncanang	ngcngnnaag	naaccngng	cnncaancan	ccngngcgng	240
cccacanaa	cnggccanaa	gananaacga	agcgnaacgc	gncgaagncg	ggngnacagn	300
aanaaacnnn	cngcacngcg	naaaangccg	cncaacanna	gcnaaggng	aacngnacac	360
ngccngancn	cncgncggan	ncacngannn	ncgcannanc	gcacangagc	gganaccacc	420
cagcnngcc	naangcggca	canacgncnc	ggggnnnnncn	anccngncc	canangnnna	480
gacncnggna	caccnncca	ccccnangcc	nagannnncan	aannccnagn	naccnagac	540
annacnnnnn	gannnccnnn	cnancegagg	nacannncng	nanngnngac	ccnnnnctnn	600
nnngccnana	nannccnnac	ancnccccca	nccncccgag	ngaaacncnn	naangaccan	660
cncaanacga	cncncgaca	nnacacnnng	gccancnaa	nncaacacna	agnnnaccan	720
acngcncnnc	gnacnaaacn	ncacgcncgc	ggagcccga	ccaacgcacg	acacgcgacg	780
accgancanc	aagaangnga	ccncacacgn	agcgncnnn	cgcgcnanc	gccggacnca	840
nngacanncc	gaanagannc	gcggngangng	cacgaancaa	cggccannng	nnganngagg	900
agcnacaacc	ncnacggang	cgangccgna	nagangacgg	accaagacnn	gaanaccgnc	960
gaggccnaac	aaacggncga	cgcccgcgga	ancncacnan	cncngnnggn	canncnngac	1020
ccngananca	cacancgcnc	accacangnn	ngnggaacac	gacaangcca	cgnacanaac	1080
gacgaagcan	gaacanagnn	gncgcaannng	nnancnagnn	nggaanacac	acncgaaccg	1140
aacacanaacg	aagnaanaac	aagagcanna	gnagaagcnn	acacagacac	naaacngnaa	1200
ccggcccnna	gnanccanc	gcncnngcan	cagngcacaa	naanncggan	ncccacgcca	1260
aaacngcnac	agnncgcaac	gnangncncn	acgccanacg	cc		1302

<210> 4926
 <211> 818
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(818)
 <223> n = A,T,C or G

<400> 4926
 tgnnggnnta gatcagctct tntctttntg caggatccct cgattcgaat tcggcacgag 60
 gctattttgtg ttttggttga ctgttntttt tgtttgtttg tttgtttatt tgggttggtt 120
 tttggagagg gaaatggggg tgaaatattt ctttattgnt gaatcatttt gtgaatgtcc 180
 ccctcaaaaa aagctaattg aatatttggc ataaagggca ttngntgggt ctatttttgt 240
 ttgaggggna ttntcagaaa atcccttttc tctcttacgc ctaactgact ngggaaccat 300
 tgangatntn cntagcmttg gaataactga cattatntac tctnacnaat aacacattaa 360
 gcnaaatna ccaatnttcc nanaatnngc ncttgatcac aaaatgtgan nnacctntna 420
 atgtntanaa ctttatcaaa ttnagtnnta ttttccctt cnaaatgtcn ccctttcccn 480
 ggcatttntc tccnttaaaa tattggttnan ttccttgaca taccnatttc catngttcaa 540
 cagctttgtt nccnnagnta taanaanttt ttgnanccct ggananattt tcaatnncgc 600
 cnatnangta nccnttcnan cantgttgn gnaaaacccc cntngcaagc cnttaaaaaan 660
 gttaagcctt anttgncttt aattncctt tnnnngcntn actaannccn catnttcnna 720
 nttccttnaa aaatcntntt nggagcccn cccttntntt tacctttgna ntnnnnccca 780
 aacttcanng nntatccaat nctgntttnn ccnaaacn 818

<210> 4927
 <211> 742
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(742)
 <223> n = A,T,C or G

<400> 4927
 atcagntctt gttctttttt caggatccca tcgattcgaa ttcggcacga gggtgactgt 60
 ggagggcgag ctgagccctg gcgcgcgtca caatgggccc ngagtgtggg aatctgacgc 120
 ggatgcgga tgtgatcagc tacagcttgt caccgtcgag cagcgcgcct atnccacgtt 180
 ttcactaaag gaatcccaa tgttctgcgc cgcattcggg agtctttctt tcgcgtgggtg 240
 ccgcagtttg tagtgtttta tcttatctac acatggggga ctgaagagtt cnagagatcc 300
 aagaggaaga atncagctgc ctatgaaaat gacaaatgag caacgcaccc gnatgacggt 360
 tccctgtctc tgaaagacct ttctctggaa gaggagtctg cattgtntgt ctcaaagaca 420
 caataaactt cctatggtct gcanaacaca nnatntntta aaaatttaaa aattanctgg 480
 gcatgggtggc aggtgcctgt attccactac tcanganct nangccgaaa tcnntagaac 540
 ccnggacgtt gaagtttcag tnagctgant cnttccactg gacttnaanc tgancnnnng 600
 antgtactc catcccaa atnnaaanang tgggantatt acttntcntg aaacntgcgc 660
 cntangcca attcttaann nnttangtgg naagaacatt tanccagana ttnnaggtt 720
 nntnacnatg ctgngggggn nn 742

<210> 4928
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 4928
 aaccgggtgg gccctttttt tgaaaggntt tttttanccc ttngttnncn cnnnctaaat 60
 annngggnntn catcgntcgc ctanngccng ntntgggang cnatgntata cttggctacc 120
 ttcctatgnt ccttctcaca gcaaaactnn gggactgatc atttgaagtc acccctctgt 180
 gtcttcttgt gaaatggctt gggcgtctct gggctctgac ttgctcatct gggaagagat 240
 ggggtanagg gagttggatt ataaatcatg cttcactcag tcaacagaat gctactcagg 300
 cactaaaaat gatggcgtag ccctacgtat tctgacatgg gaagatggcc acaatatctt 360
 attatgtgga aaaaactagt tgcataggat ttatggnttg attacatttt agtaaaataa 420
 attcatttat ggtggtatat gcaaagaaaa aataatgccg ggcgcantgg ctcacgcctg 480
 taatcccagc actttgggag gctgangcag gtggatcact tgaggccagg aggttgagac 540
 cagcctggcc aacatggtaa aaccccattt ccattaanaa tacaaaaaat tagcaccaag 600
 cgttgggtggg cacngtgcct gtagtcccag cttactcagg aggctgagat gggagacttg 660
 cttgaacctg gaaaggtgga ngttgcggtg gagcccaaga tcacgccact gcacttcggc 720
 ctngggctac agnccagact ctgtcntcaa aaaaaaann 760

<210> 4929
 <211> 887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(887)
 <223> n = A,T,C or G

<400> 4929
 gngnaggnan nattttnnaga nagnnnnnngn aangtttggg gtnaagagnc attnaaacnc 60
 ttggcnnnag gnatcccaan gtngcnaatt nggcacgagg ttgtnttggg aacagtcgtg 120
 nggangaatt gcgagagaac ctaaacggga tctnctgtgg nttgctctgg atganatnga 180
 nttggctaan ggtagaggaa catttccctg ggatattttn gcccttgata ttcataaga 240
 tntanactgg aatnctaacy cncctaccct gaatgtctgg cctntgnata tctgtgatga 300
 tngtgcggac atatttcanc gggatanaac agncgaatta atggaattga cagatgagca 360
 aagaaatgaa ctgatgaaa aagaaagcag tcgactccag aagactggac atcgtgtanc 420
 atactcacct cgtaaagaga aagcactaaa aatataatctg gatggagcac caantaanga 480
 tctgtctcaa gactgactct gatagttgta gcanttttcc cttgggggga agttnnnngt 540
 ttttnaanaa ggtggtgttc cactaccac ttggggaang ttgccattt tcnnnccggn 600
 accaatgngn nngnggggtt aaccncagg ngaacnaacc antcgccttg gaatgggna 660
 cctngnnncc ttancaancc tcttcnagaa agggcnttcn agtgggcccc caaanagggg 720
 nccccnntgg gtcccatnga acttggggaa atccannngn ttganncca cccaatnagn 780
 gncaanaaat ggtcccnggg aaaaatntgg tcaataaggg ggattgaggc cntanatcaa 840
 nttncctng gcnncccaac cntaaaaaa ggcttnnccg ngatccc 887

<210> 4930
 <211> 804
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(804)
 <223> n = A,T,C or G

```

<400> 4930
tcnccccnt ttgaannccc tttntttaat nnnccatanag ctacttggtc tttttgcagg      60
gatcccatcg attcgaattc ggcacgaggc tccctatgat gcctgctgga atgcctgtcg      120
aggagacagg tgggaagact tgtccagatc acaggtgcgc tgctatgtcc acatcatgaa      180
agaggggctc tgctctcgag tgagcacact gggactctac atggaagcaa acagacaggt      240
gcccaaattg ctgtctgctc tctgtccaga agaaccacca gtccattcgt cagcccagat      300
tgagcaaac acctggttgg agttgacagc ctcatgggc cagagacaca gattggagag      360
aagtcatcca ttaagcgtc agtcattggc tcatcctgtc tcataaaaga tagagtgact      420
attaccaatt gccttctcat gaactcagtc actgtggagg aaggaagcaa tatccaaggc      480
agtgatcatc gcaacaatgc tgtgatcgag aagggtgcag acatcaagga ctgcttgatt      540
ggaaagtggc cagaggattg aagccaaagc taaacgagtg aatgaggtga tcgtggggaa      600
tgaccanctc atggagatct gagttctgag caagtcagac tccttntctt tggcctncaa      660
agccacagat gttgggcccgg ccacactgtt taactctgta tttatttncc aataaagaag      720
gctttcaaan gcatgcttgg anacttgtgg agcagtccaa acttcatgtc aggtgggctt      780
ccagtgtaca caaaaaaaaaa aaaa      804

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<210> 4931

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(887)

<223> n = A,T,C or G

```

<400> 4931
gngnaggnan natttnnaga nagnnnnngn aangtttggg gtnaagagnc attnaaacnc      60
ttggcnnnag gnatcccaan gtngcnaatt nggcacgagg ttgtnttgga aacagtcgtg      120
nggangaatt gcgagagaac ctaaacggga tctnctgtgg nttgctctgg atganatnga      180
nttggctaen ggtagaggaa catttccctg ggatatttnn gcccttgata ttcataaga      240
tntanactgg aatnctaacy cncctaccct gaatgtctgg cctntgnata tctgtgatga      300
tngtgcgagc atatttcanc gggatanaac agnccaatta atggaattga cagatgagca      360
aagaaatgaa ctgatgaaa aagaaagcag tcgactccag aagactggac atcgtgtanc      420
atactcacct cgtaaagaga aagcactaaa aatatatctg gatggagcac caantaanga      480
tcctgtctca gactgactct gatagttgta gcanttttcc cttgggggga agttnnnngt      540
ttttnaanaa ggatgggttc cactaccac ttggggaang ttgccattt tcnnnccggn      600
accaatgngn nngnggggtg aaccncagg ngaacnaacc antcgccttg gaatgggma      660
cctngnnncc ttanacancc tcttcnagaa agggcnttcn agtgggccc caaanagggg      720
ncccanntgg gtcccatnga acttggggaa atccanngn tttganncca cccaatnagn      780
gncaanaaat ggtcccnggg aaaaatntgg tcaataaggg ggattgaggc cntanatcaa      840
ntttnctng gcnncccaac cntaaaaaaaa ggcttnnccg ngatccc      887

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<210> 4932

<211> 807

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(807)

<223> n = A,T,C or G

```

<400> 4932
nnnnnnnann nnnnnngnnn nnnnnnnnnn nnnnnnnnnn nnnccnnnna nnnnnnanna      60
gttgaacgca ngaaagccgt ggnaaggcgg gaaccaaccg aancgnggaa nggcnataac      120

```

aannagngga	tgtgnccagn	nctctgnatc	tnngacttng	atgctanata	catcatgnca	180
tnngnngctn	ctaagggat	aagccataga	ggctncncca	ggtagaaaag	aacagtaaag	240
nacctggaaa	accaacattn	nngaattgnat	ggacactgga	catgagatat	gnacaatgaa	300
ancttaaaaag	aatctaagaa	tnngccctct	ttgccccact	ccacccagna	atnagacatt	360
actagngcca	tgtataggac	ccaactgagt	attagaatca	gnnnngacta	tgncnnngna	420
tngccataat	ctgttaatgc	ataaaccgaa	tnagggtcca	gnnggcctgt	naatggtaaa	480
nntacatnan	aatgactca	gcnnngagnat	ncngggcgag	tnngcaatgn	gataatcaga	540
tnnggnaaaa	ctgatnaatn	ngcaaaactng	agnnggnna	cncacagacn	aaagnangaa	600
ccacagnnaa	ctagggggac	caggnggnaa	gnngaaaaca	cncacaagng	annnnngnnn	660
nggnaagggg	gggngnga	gganggaaaa	ngngnnnnag	gagggaaagca	aaacnnaaan	720
gggncnggaa	ccaaaagccng	nncgnaaaag	aaaannnnng	gcnggaagaa	ggggnggna	780
accgcaaacc	anngccnagg	gggnnncc				807

<210> 4933

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (925)

<223> n = A,T,C or G

<400> 4933

cgngctttaa	ctnttnaaac	cctttgcact	tnctcttnt	gcaggatccc	atccgantcg	60
aattcngcac	gagagagggg	ggggctctggc	cacatagggt	ttntngnggc	tctggnetgg	120
ggntagacac	tgacagggac	tagnattnat	tggacttgc	aagacagtcc	ctcanattna	180
gcaactnctt	gcntnnatg	gtngcatta	tgaagccanc	ntagngnnng	taaantanag	240
ccctncatct	ntnctngna	gccccntcac	tgggctngat	gtcatcatcc	aaaatctgca	300
nantctgnca	caangancca	tgantactta	annaaaggga	anntctngaa	cnggntagca	360
agatcnaanc	atancttgct	gngctnccan	ggnacnncan	cctnannnc	tgncnannng	420
cnatatana	ggctcangggg	ctttgatcca	ngaactctnn	tgtactatga	tnananncca	480
caantntggn	aaacctncat	gtancctnna	nagttgnnnn	tgngcanaat	cgtntctacc	540
aanantnntc	cncccganna	actctaactt	ntnattnann	nctaccngtn	antnttnnaa	600
tgtnnacaac	nnctnnannn	centccnnat	tctaaggaaa	angntctac	ccctantana	660
tagnttcagc	atccactana	cnnctntgct	ngcctccgat	cccactngcn	cgcncntgt	720
ntnnngactg	ccccctngn	ncttntctn	ganantctt	tnngatacta	cccaaatt	780
ntgggnnanc	tactgcacat	ctnntcannt	nnnncgcatn	tcatnatnta	tantcancnn	840
nncnaatncn	cngctnctn	cttacnaana	ntnncantc	gcgggggggc	gnncncatan	900
tannncngnn	ncannnaaag	nngcg				925

<210> 4934

<211> 1025

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1025)

<223> n = A,T,C or G

<400> 4934

gtntcattn	actttcntaa	tnnnntggga	ntctctgaan	gacncnatng	antngmnttc	60
ggcacgagta	ctgctccttc	attcccaagt	aagaaangnc	aggntctgct	acttccaaaa	120
ctcagncacg	acttgaagg	gaantgactc	ctaattcctt	gtcaaccagc	tacaagacag	180
tgacatctgn	cattaagctc	tccaaacata	aagctgaatc	tnactagccc	taaaaggggt	240

cagaatagat	aagaaagggtg	ganagaagtt	gtncnaagggn	catagaaatn	gtctgntcca	300
gcctcantgg	tgtcnaggat	aatggcgang	aggaggatgc	ancattcact	tgcaatacca	360
ngatgtttac	tggancccat	anttnatgtn	ggattnanac	naataangat	aangaaatgg	420
gcnaangaag	aattggatnc	ancaattana	gggggtcggn	ncaatgnaan	tcatacnang	480
cantattgct	aattttcaaa	cnttaattnc	aaatgcaaca	ttcatntnct	aggatncctg	540
gntttnnngt	aaacttnggt	aanaaacttt	nggattttcc	tnaanannan	ttcaatnntt	600
catnatanca	tcccnttngn	acnaggntac	tcctaanaat	ncnaatttnn	attgcnctaa	660
accntntnct	tcaantctng	gggannntaa	tgggnntcnc	cntatantag	tnatntgaat	720
ttttctaaga	tcacanaaaa	aaatgggcca	tttgtctcac	atntatatgg	nggatggcct	780
ctccntaaaa	cntccttnnt	ggggtanaat	accttttnnc	ncacaangng	cttacatcnc	840
taantcntct	nttggtatat	actnatacac	agtatttnct	ctaananctn	nccgngnttc	900
taacattntc	naaannnctc	tttaaaaatt	ctntgnanaa	aattcgtngn	ctcncnntat	960
catcncnant	tnataatnct	ngtantnatt	ctnttcannn	acaaaatacg	cctcncgntn	1020
gntcc						1025

<210> 4935

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(750)

<223> n = A,T,C or G

<400> 4935

antgangnnn	ntttcnnga	gncagctctt	gttctttttg	cagggatccc	atcgattcgc	60
tgaaatgact	tccttaggga	tagagctaa	ggataataac	ttgcactaaa	tacattttaa	120
tacttgattc	catgagtcag	tttattgtag	tttttgattt	ctgtaaaata	agagaaactt	180
ttgtatttat	tattgaataa	gtgaatgaag	ctatttttaa	ataaagttag	aagaaagcca	240
agctgctgct	gttacctgca	gaactaacia	accctgttac	tttgtacaga	tatgtaaata	300
ttttgagaaa	aaatacacga	taaaaatagt	tattgaccaa	atgctaccag	gctctgcagc	360
agctcggggg	cttataaaat	gttcataggg	atgttacaat	ataattttgt	gttataaaat	420
atgccattat	aattatgtaa	taaccaaata	ttcaacctag	agtgttgggg	gttttttgga	480
aaccgcagtc	tattagtact	caatggtttt	atacacctta	cttctgacag	agcggggcgt	540
atgctacgac	tacaactttt	atagctgttt	tggttaattta	aactaatttt	ttcatattat	600
attggtgcat	ccctacttct	tcagtcagggt	ttttttgtgc	ttacaatttg	tgataactgt	660
gaataactgc	ttaaaaatcc	acccaatggg	gangctgaat	tttttcttca	gccaaaagta	720
agttttgatt	aggaactttg	gttcaacccn				750

<210> 4936

<211> 1500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1500)

<223> n = A,T,C or G

<400> 4936

cgcccttgct	caaaaaggcc	ttgngnccca	aatcagtctt	ggaaaancct	caaantctct	60
ctanacagaa	tnngggtcng	gggnanncn	cnttnncatg	gncggnnttt	atctcnactc	120
nttttttatg	aggctctttt	tttcatctc	tanganncct	tctaacnggn	antannactc	180
cncggggngn	anctcnnttc	gngggggn	nactaantca	annntgnnnn	tctatanatn	240
tttanntnct	nnacatncca	ctcntntant	cctctgnna	tnccnaacat	nnatacnct	300

caccncttta	cnetancncn	cannacanat	ctatctnatc	actcngnnnn	cnnnaantcg	360
gccacataat	catnctnctc	acnnntacta	ntncttcatt	ctcnacnntc	tctnttctnt	420
acnatantnt	ntanctcctn	tttctctnt	tcctctncnc	ncanttctct	ancnctgcct	480
aatanactta	ctnnntctcc	tcnntncaca	agtcngtacn	tccgtctccc	tntnnatnac	540
anactatntn	ctcntatnnn	acannncttn	catatnntnn	natnttnnac	cnntncantc	600
nnttacntnt	ccctnncant	agntctantc	tnctacntta	ctctnnnat	ctnnctnttc	660
anctantnnt	cacanttcan	ntcctatnnt	ngncntctn	attcanntcn	tcttatntcn	720
gnacantctn	acncannntc	tcnncntnn	tnctatant	ctntnnacnt	ntaacctact	780
antcttnnac	tctcgtntca	cctactcncn	ctntantgnt	actntacctc	ctantaatct	840
atnctctctn	gntntnnnac	ctcacnaetn	ctctatacnn	ncgatnanag	ntntnacaat	900
ntctcgttag	ttanangtnn	cgcgncctac	cnnnataccn	ntntncnttn	anactactct	960
ctctctctaa	ncnctctgct	cntatactat	actcnatcna	tatgttnatn	catntctctc	1020
ncnntnannc	gtngttntnt	accctctntn	tatctntncn	ncngntcaac	nncttntna	1080
catnncttn	acncatatnn	atnccgntaa	tctacatncn	gctctnctct	ntnccctaca	1140
tacgctccnc	nnantcatct	tctnatattn	aatgacacnt	atntcatnnt	acgtntnttg	1200
ntantttaat	cnccttccat	aatctactct	cttatnctan	nngctctcmn	cnatanctat	1260
nctcnatatn	ntaacctctn	nnnncaactac	ngatccta	gtnttntctn	ncnntnangt	1320
atatctanaa	tnnanntctt	ttncnataaa	ctnnangect	ctctaantcg	acagtctnct	1380
ctanatanta	nganaccaan	atccatacct	ntnntctttn	anatactntc	nattgactaa	1440
ctncttnnta	taantacgta	tcnatnccan	atatcttgcn	tctctntttc	ncnccccgc	1500

<210> 4937

<211> 812

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(812)

<223> n = A,T,C or G

<400> 4937

ttgtanctaa	tgctggttg	tgttctttc	tccangaccn	agcgnntcga	attcggcacg	60
aggggaaggt	ctggctccag	cttgagccca	ctcacaggat	gtcaggggga	agtgtgacta	120
aggtcacggc	cacgccacgt	ggtgggccag	ctggatccag	agcaggggcc	gttgtggcca	180
cacatcctga	gtttccatgg	tctaattgan	tgggcttgaa	aaaaaagggt	ggatgcagga	240
tgtgtgctgg	gactgtggag	tgcgtgggca	gtaagtctta	agtgcagtg	ggtggagatt	300
acagcatttc	atctgctttt	cctttgacac	cttttaaaaga	tacaaccac	agttttcaag	360
ggtttatgcc	aatgtctgct	agagggatct	tgcagtagat	cttaaaccct	atagtattct	420
taagagcaca	aggaaattct	tatttgggtt	ccatttacaa	caaagggtga	aatttaaaac	480
taggcttgan	atttgaaatg	ctggtcacat	ttaancantt	tatttngggg	gggtaatttt	540
ttggaatcn	gtctttaant	nanttttaaa	nanngtcttn	ccncattttt	naaaaagggg	600
ntacctttnc	antttngntc	ctttcaannt	ttttnntttt	ggnnaaaaaa	tnttnnnngn	660
ttnaaatgga	atgtttttta	ccagggnttt	ggggnttttt	naaaaantttt	nnaanggggn	720
ntatntntgg	gnnccttntn	naattccagn	ttntnccan	nnttngaant	ttnnccccct	780
tnntngggna	aaaanggna	ttgntttttt	tn			812

<210> 4938

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(783)

<223> n = A,T,C or G

<400> 4938

ttgaaacctt	ttgaaacctt	tttgcaanct	acttgttctt	tttgcaggat	cccatcgatt	60
cgcaaatacc	taatgcatgt	ggggcttaaa	acctagatga	cgggtagata	agtgcagcaa	120
accaccatgg	cacatgtata	ccagaaactt	cacattctgt	tcatgtatcc	cagaatttaa	180
agtaaaattt	aaaaaaaaagaa	acgtactgga	aaatctgaat	agaccctctg	ctggaagcat	240
tatgaaaagt	aaataaatgg	atatactgca	tcatcctcag	aaaaataaaa	aaagaaagaa	300
aatgcctgcc	cccttctgcc	cacaaaacag	attaagcagg	ggctcattgt	tgggtgcaga	360
agagttgagt	gtaatacact	gatggtatgc	acttgatttt	agaaatatct	tactggtgac	420
atttctgaaa	atttgccaac	tcataatttt	aagaatttca	aaatgtaagt	ttttatttaa	480
ttgcatgtga	attctactaa	ttgcatgtaa	ttttttatta	ctaattcaga	actaagaata	540
taggccttaa	attcctccta	aattaatgtg	aggcattttt	cctaattcat	tgtcacgaat	600
tattatgaan	gtcatctgct	gtattacagc	agtccatact	cgattgttcc	ttctgtgtct	660
tcagataggt	tctttttctt	ttctgtgag	tatgtaaaac	agcaaacca	gtagatgggc	720
ttattttggt	acatccatac	ngaggaattt	tatgggctta	ttaaaggat	gcttacagga	780
gat						783

<210> 4939

<211> 1150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1150)

<223> n = A,T,C or G

<400> 4939

tnccgttnnn	attnnntgtg	aaccntttct	tcncacctnc	ctggntgnga	atnctgcacg	60
agaggcattg	nectgccttcg	gctttatttc	tgctgactan	ntatctccta	ttnagagcta	120
cggcaatgcc	caaaaagaaa	gctgcaggtc	aaggatgat	gaggcatnga	gccaaagaga	180
agatctgcca	ggttgctctg	tatgcttgty	ccagttncac	cagaagtga	gcctnaaaag	240
aacatcaagt	tcnaggaaaa	tgaagacnaa	nagtgatntg	atggaagaaa	acatagattc	300
nagtgcacca	gccagttgct	gaaacccaag	cnagaagcaa	gttggtgaag	aagactacna	360
tgaaaaatgc	taaaaaatng	gagaaagccc	naaatctcna	gangcnccca	gctttcttga	420
aaaaaagaaa	ttgttgggaa	nntttaaaag	gaatgaanaa	ttatttgaac	gattgcccc	480
nannaanaag	ggggtnggga	tgaattagga	annggaaanc	ccgttnncca	tgcngcgaaa	540
ntttnaaana	natnggtatc	naacgaattg	cattctcnaa	nnggaaagtt	ttgcantnan	600
annattcnnt	anaccgnaaa	tnatcaaaag	gggnnngaaa	gccctttggt	aannaatgta	660
tgngtccctt	ntnggnttgn	aaaaaaaaan	ggngggggga	aatagtaaag	tnnttngngt	720
aaaatangnt	aggggatttn	tcaacnaatt	tngnggan	anattggnag	ggnaaanaan	780
ggngcncnna	taactaaatt	gcccnanta	tggtnaaant	tanntnntgt	nntngnatan	840
ngngggnnac	nntatattta	aaanggggcy	tgcnanatt	gaaccngggg	gtanaaaata	900
tggggnaaaa	aatttggggg	aataaaaann	tantttnggt	atanaanac	nnttnntnan	960
anaggggggt	cttatanggg	attngatat	caatnntatt	natggtgcaa	tgtntaanan	1020
cacnctcgnn	aaaaatcggg	ttaaanaccn	nagggatcatg	anatntngtg	gnannatnca	1080
gntgggttaa	tttngtanat	atattttggg	ngtaanann	tcttgcttaa	atnggggnnta	1140
ggtcatttcc						1150

<210> 4940

<211> 991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(991)

<223> n = A,T,C or G

<400> 4940

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ggnnngccgn nancnggacc ntcancgatn tnnacnnttt gnnnaaccccc ccccgagcg      60
cggggcgnga gcnnngtata ttnggannag atggaaacan ctcnagttn ngcctttnt      120
gtcaccnnag tgcgaggggg ngnatnggt nnaananacn tcctnccan gncctncntt      180
anancacca tctaaancac aaaattcntg aagnggccgn tcagttnngg canaccggc      240
ctccnagnta tgtataccct gtctgttcnt atngggatnt ntntccatg tgagatatan      300
gatgcgtgcn atncgtaaaa ggnggtgcna gtgctncttg tnaggncctg acacattang      360
cgcttantcc nttaattagn ganccttgcn tcangggaaa ngggcttttc tatngaattg      420
ggaataanat aatgggntan ncttttttt naanctccc agctcnanta angntgctta      480
atggngcanc tacaatnctc cganacttcc aatgtgggtt gtcnatannc nacccttnna      540
ttgncggggt ggtccaaaag aantgcaaat tcctacctct tggggccatc caaangacc      600
ctttcaacca tgnctctttt tcgncgggg agagaaacna tnnccngggg ggtnaaaaagg      660
cctcncccc cntntntttt caccccaana gggggnaata nanangttct anctcctat      720
nccttttcca agcctatttn ngttnggggn gggngtngc nntntctcca atangcccc      780
aaagnatttt catttgttta ananttnccc nacttctctt gatttttaaa aanataaaaa      840
tgttcctnnt aagangaaag ggngnnttt nntaaacnaa agcnnnaaga aagnagaaan      900
ncctttttag aantttnta nactnttcnc aatgnggan antacctnat tcggggntgg      960
tnnctnntna tnttggttac gantggctgg c      991

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<210> 4941

<211> 1075

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1075)

<223> n = A,T,C or G

<400> 4941

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cnnncttcnc ctcnntgaac cnnnttgnaa accncccntn atgcaggatc ccatcgattc      60
gaattcgga cgagggtgc tggagctggc aaggtcacca ntttttgccc agaaagctca      120
gaaggctaaa tgaatattat ccctaatacc tgccaccca ctcttaatca gtggtggaag      180
aacggtctca gaactggntn gtttcaatng gccatttaag tntagtagta aangactggg      240
ttaatgataa caatgcatcg taaaaccttc agaaggaaa ganaaatgtt tggnggacca      300
ctnnggtttt cttnnntgcy tgtgggcanc tataaaggga ttagtnnnca aaaatcagta      360
cctttttaat gggaaaacaa cttgacccaa aaaattttgn tccacaagaa aattttggag      420
gaccccattn aanaangagn ttaaaatnga ggaanaanaa aaaacgngcn tnagagaaaa      480
cttcgggagg cccctcttaa gaacctaatt aggtggagga tccgnaattt naccgncgg      540
gaatcccaaa gaaccaatgg gaataaangg gattaccnt ttnggattgg aagccttttg      600
gggacccaaa aaccaacca aaccttaagg naaatggnc anntnggaaa naaaaaaaaa      660
tggcccntnc aaatttnggg gnggnaaaaa ttnangnggg aatngcctaa tngggccttt      720
gaaatnnnnn ggnaacccc anttnattaa aggcngggc aaagttnaaa cccaaggntt      780
nngacccaaa ccaancccaa attgggcaat ttccnatntn nnaaanggnt nctccanggg      840
gnttccaacg gggcgnaaan gnnnnncnnc nnacnnnnnt nnnncaann acnnnancg      900
nnnnctnnta cannantnan aannntnnn ncnncnnnn cncnccanna ncnncnnnn      960
nnncanacnc ganannncnc nnnnncgnan annannncn nnannaancn ncactnann      1020
nacncaanna nnaananann nnnnnnannc nnannncnn nnnnnncgn cnacc      1075

```

<210> 4942

<211> 741

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(741)
 <223> n = A,T,C or G

<400> 4942

tntttcctta	cnaccagcta	ctgntctttt	tgaggatcc	ctcgattcgg	aatatatagag	60
agatgtggga	tttgaatgcc	catgaaagac	attttatttt	acttgaatat	attcttgctt	120
cactttaccc	tccataatat	gttgtagatt	agtgtgatc	aagtttacag	agttacattt	180
tgctttccta	accattcagt	caggaattaa	aatatggcat	tgtataacaa	ctgggaagaa	240
gctcatagt	gatataaatt	agagtagata	atgggtcacc	ttgatagcct	ctgtttacat	300
tacttgata	tgggcaaaat	aattattacc	tatacgtgta	tttaagctta	attttcatat	360
aaacagtatt	tttaattctat	gttaaaatag	ataatatcta	aaagtgtgat	ctctaggtag	420
tccttagttt	attagtactg	tacttcaaaa	agatttttaa	ataggtccgg	cacggtggct	480
catgcctgta	atcccagcac	tttgggaggc	tgangcgggc	gaatcacctg	aggtcaggag	540
ttcgagatca	gcctggccaa	catggtgaaa	ccctgtctca	actaaaaata	taaaaattag	600
ccgggcgtgg	tggcangcgc	ctgtaattcc	cagctactcg	gggaggctga	ggcnngagaa	660
tcactttgaa	cccanggggc	agaaagctgc	agttagccan	aatcgectca	ttgcactcca	720
ncctanggga	cangagcgcg	n				741

<210> 4943
 <211> 887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(887)
 <223> n = A,T,C or G

<400> 4943

annnnnannng	nntnnnnngg	nannnnncan	ncnannnnnn	naggnnannn	nnacnattcn	60
cccccttcct	aanagacttg	gcnactcngc	nctntccgca	agnagnnnng	cgtnnccggg	120
tgngaggaaa	tccaaagctg	accaaaccat	ggccccacc	ttttggagct	tacagtctgt	180
actggggaac	agagattcag	ccaaagtcaa	gaaacactgg	atgccagcta	gattatctgt	240
tctgtgcttn	ggtgtctata	agtacatatg	nggatatggg	ttcattnnat	ccctaaactt	300
agtagcaaac	cagcatttaa	tatctaatta	taaatctaata	tnggcctaaa	ctttattatt	360
gcacactgcc	tgaacaaaac	ctatttgcct	ctatgtaaat	tttttcctca	tggacaagg	420
gngngaaatg	aaaatatnt	aggatttatt	caaaaacaga	ctattctgnt	ntcagctnca	480
gaantgnacn	atgaatccta	aggaaccntc	tgccaacang	ttgaggtntg	ctgnncgaaa	540
agaaagaana	aagagcggn	aanntctcag	ggagaaanta	nnccnntnc	ttttctatnt	600
tcagcanacc	ntggaggggt	gggcgagaan	caagaantgt	aaaggaggga	tcagaaaatg	660
gggaatnctt	nggcagctgt	nngaanaatga	tgangaagaa	nctcnnant	ctcagttnc	720
cntnngnttc	cctatnaact	nttgataaaa	atnnggntt	nggccaccaa	aannacnnnt	780
gcncncaaca	gcttcattgg	ccccnaatnn	tccaaccnct	gatcggnna	cnntcaaaag	840
gctannngan	ccgtnnctgn	tanaantngn	aaacnangcc	caccccc		887

<210> 4944
 <211> 1201
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1201)
 <223> n = A,T,C or G

<400> 4944

nccccacnn	cnnncnacac	nnanacnacn	cacacanann	nccnancnnn	nnncncancn	60
aaccnanaat	ananaccncn	cacnccnnan	ancanacann	nacnnncncc	anacnaanaa	120
aaaaanctnn	cannnnnnana	nacaaaccnn	ganaganagg	ancncttttn	cnaanaaaan	180
acncgggnan	nnnncnggaa	angnannaca	cgagagnna	nactngtnaa	nagccccctt	240
tgcnaaaac	nccttngggc	aaaancnccc	gcctcannac	cananagnnc	atngnncncn	300
ntacnacgcc	naancatccn	aatgccntca	gctannnnngn	gggangnggg	gaaccccaca	360
acanaacnan	anannacncc	nacctacncn	acnacannna	acnngaccat	cactccaacc	420
aggacaacnn	caacaaacta	cnnanancgy	acnaanatct	nancacancc	ctctancaac	480
cannacacca	acaccaacnc	ctncatcnac	ancccacaaa	aggcacnaca	ccncanaccc	540
catcaccatc	acanccaaaa	aaaatnnnng	ctccnaccac	nccacaacnn	ncagtnacat	600
cancggaaac	cangattaca	nnanngannn	caaacancca	tcgcnncncn	ntacaacagc	660
gnaannnaca	tcacaaaccn	gaanccaaaa	ncgacaacat	nttatnccca	acaanagggc	720
aacangaaca	accccnccgan	angnganaan	atanacngaa	aaangcnata	ntccnatcac	780
ccaannncan	aaacacntnc	tnnncccnng	nacanmncca	taaaacacat	agccctnaaa	840
aacaacnncn	naaaacccag	acnnnanccn	caaaaccaaa	anatctcgcn	anaaaactcta	900
ananatcnaa	ccaannanac	taanacnct	canaaaaanag	cctcnacgga	ggaaaaaaan	960
aacacctann	acaaaacanc	accacnntgg	annacaaaaa	anctcnncna	aggcnctcta	1020
canttaaaaa	accccnnnac	tnacacnncn	cccacanaca	canacncgca	acctcanntn	1080
tcaaantaaa	atcnacacan	acnanccact	anccnnncaa	nacnantngg	angcaaaanc	1140
cnaaacccnn	tnntctnann	nngnccccc	aacctcnca	naaatnccaa	nacaancanc	1200
c						1201

<210> 4945

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 4945

cnttttnttt	tcttttcaac	angctcttgn	tctttttgca	ggatcccatc	gattcgaatt	60
cggcacgagc	ccagatgggg	gtgtttttca	ggtctctcac	aatgagaca	agcgaaacaa	120
ttgtctcctt	ttattctctt	tggtgcattg	gtgctgggga	aacatgaact	agcggcagtg	180
taactgcaga	acatagaccc	agttctacca	ggccaggcca	gcactgggaa	ccgccagaca	240
gggctgcttt	gggctttgct	tacagtattt	ccatgtgtag	cctggcgtgt	gagaaagtat	300
taggtgaaat	gccagtttca	tggttcaggt	gaaagtctgt	gatcattccc	ctcgtggctc	360
gtccttcaca	tcacttttgc	ccttcaagga	gttgccgcgt	ccccgctcag	tgcccgctcg	420
agccctcaga	gctccctgtg	gcttttctgg	atggggactg	gcgggggtcac	ctagcctcac	480
cgtggagcca	ccgtgcaatg	cccatctctg	agaggcccac	gcagtattcc	tcgtgccctg	540
tgtagtgcn	ttctgtataa	gggacagaca	gaactgggtt	tttttctctc	tgctgggttt	600
tagagttaaa	tgtaactaac	ttttattttt	cccctttatg	aaagatagaa	aattattttt	660
atggtagttt	tccagancct	tatacaaaaa	ttttttgtta	aaaatgttct	ctgggaaaag	720
ttaactncna	cgaatgtaaa	atattgcctt	ctaattaaaa	taaccannn		769

<210> 4946

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 4946

cnttttnttt	tcttttcaac	angctcttgn	tctttttgca	ggatcccatc	gattcgaatt	60
cggcacgagc	ccagatgggg	gtgtttttca	ggtctctcac	aaatgagaca	agcgaaacaa	120
ttgtctcctt	ttattctctt	tgggtgcattg	gtgctgggga	aacatgaact	agcggcagtg	180
taactgcaga	acatagaccc	agttctacca	ggccaggcca	gcaactggga	ccgccagaca	240
gggctgcttt	gggcttttgc	tacagtattt	ccatgtgtag	cctggcgtgt	gagaaagtat	300
taggtgaaat	gccagtttca	tgggttcaggt	gaaagtctgt	gatcattccc	ctcgtggctc	360
gtccttcaca	tcacttttgc	ccttcaagga	gttgccgcgt	ccccgctcag	tgcccgctg	420
agccctcaga	gctcccctgt	gcttttctgg	atggggactg	gcggggtcac	ctagcctcac	480
cgtggagcca	ccgtgcaatg	cccatctctg	agaggcccac	gcagtattcc	tcgtgccctg	540
tgtagtgcn	ttctgtataa	gggacagaca	gaactgggtt	tttttctctc	tgctgggttt	600
tagagttaaa	tgtaactaac	ttttattttt	cccctttatg	aaagatagaa	aattattttt	660
atggtagttt	tccagantct	tatacaaaaa	ttttttgtta	aaaatgttct	ctgggaaaag	720
ttaactncna	cgaatgtaaa	atattgcctt	ctaattaaaa	taaccannn		769

<210> 4947

<211> 738

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(738)

<223> n = A,T,C or G

<400> 4947

ntttcaaadc	gcttggctac	ttgttctttc	tgcaggatcc	catgcgattc	gctactgagc	60
ctggcttgca	actggggtga	gctccacctt	gaacgtcgat	cctcctgcct	ggtggagcca	120
tcccagctga	tgccacatga	agcagacaca	agctgtccct	actaagctct	gctcaagttg	180
gatattcatg	agtgaataaa	atgactgtta	ctaagtnaaa	aananaaaaa	aaaaactcga	240
gcctctagaa	ctatagttag	tcgtattacg	tagatccaga	catgataaga	tacattgatg	300
agtttggaca	aaccacaact	agaatgcagt	gaaaaaaatg	ctttatttgt	gaaatttgng	360
atgctattgc	tttatttgta	accattataa	gctgcaataa	acaagttaac	aacaacaatt	420
gcattcattt	tatgtttcan	gttcaggggg	aggtgtggga	ggttttttaa	ttcgcgcccg	480
cngcgccaat	gcattgggccc	cgggtacccag	cttttgttcc	ctttagttag	ggttaattgc	540
gcgcttggcg	taatcatggt	catagctggt	tcctgtgtga	aattgggtatc	cgctcacaat	600
tncacacaac	atacganccg	ggagcataaa	gtgtaaagcc	tgggggtgcct	aatgagtgag	660
ctaactcaca	ttaattgcgt	tgcgcttact	gnccgctttt	cantcgggaa	acctgtngtg	720
ccanctgcat	taatgaan					738

<210> 4948

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(795)

<223> n = A,T,C or G

<400> 4948

gncnncnctt	ttgnaaancc	cctttttnnn	aagnnccttn	cncctttgcn	aancgcttgg	60
gcaactcgca	ntctctcnan	acagcaagg	ctgtggcgaa	tncggcacgn	agccgccnnn	120
tctncannnn	ntgtcaggnn	nnagnctgan	gctancnnct	ncnnantgcg	nnnnnnga	180

cccanngac	agcnnccnng	cangcacgct	ncncacnng	acacaanctt	taactaactg	240
cccnactncc	aatgacgaaa	acatntngga	ntgactgccg	aaantgcctt	tccngatnta	300
accactagac	natccatctg	tatcacnnng	tttagccatc	tttacngatn	taagntccac	360
tgaacggctg	agaaaacttg	anaacacant	gnacncgnnn	aagnctngaa	cacaactggg	420
ccaaggaaaa	ctaanagtgc	natantgnaa	cccanantgg	catccacana	aaggcncttt	480
aaacntgcan	gctcatcgct	aaagaatnat	ccanatncct	ggacactggc	nggacacnnn	540
catgtcnatc	natgaacaac	ctanaggcnt	tgcctangaa	ncgctgccta	ccactnnnna	600
tgatangccg	aacannaata	tctantnccn	tcnnnctata	nnnntcnaag	nantaaagna	660
ccnnntatn	caagnnaann	nannaancta	gcacatgnnc	tcanangaac	ancaaattna	720
tacnnganaa	tngtnccttn	naaaacntcn	ngggtanact	tncncanntn	nccanccctt	780
aaaanntccc	nnnnc					795

<210> 4949

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(784)

<223> n = A,T,C or G

<400> 4949

ttnttttttt	tggttaccct	ttgctctnng	nctttttgca	ggatccctcg	attcgaattc	60
ggcacgagcc	ttccacggtt	atttcacaga	tatggagagc	tggaagcagg	gagtgagtct	120
ctgagtgttg	gaattgtaag	ggatcagaag	cagggatcag	aagcagtggg	gaagtccatc	180
caccataaaa	cacacaggtg	actttgcctt	gaatctgcag	gactgaagcc	aactcttggg	240
cacagaccct	tagtcccttc	cttgccact	ctaagtcaga	tagtccagag	ccaggccctt	300
tgggatgtga	caccgagata	aatcagagaa	aagctgtgaa	gcttggggaa	cagagggact	360
tttggtgaag	tagtggtct	gcagtttcta	tcttcttggg	aaaagcaagc	tggaaaagtg	420
aacagtgggt	ggtaggccat	agtgtctcca	gctgggtgac	ataatgacca	cacagcacag	480
tgatgttatt	agcaactgtg	tgggtggagta	gttgtgggct	ggacaaatca	atcgtgtgga	540
aattgttagg	agttttatta	cattaaactt	gttaacctaa	aataccatca	aaaaaaaaaa	600
ntncnnannn	ncnccccacc	nancntncna	aaaaaancct	cganccttta	aaaacnnntn	660
gnngaggccn	tatttacgtt	anattccaga	cnttgaatan	ggatnccatt	tgnattgaaa	720
ntttngggcc	aaacccccaa	ccttngaatt	gccattngaa	aaaaaaatgc	cttttatatt	780
gnnt						784

<210> 4950

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(737)

<223> n = A,T,C or G

<400> 4950

gttctttttg	aggatccctc	gattcgaatt	cggcacgagg	ttatattaaa	ttattctttg	60
ttttcttttt	tcttttaata	aagcctgcaa	gttactaaat	tgtagtttca	ttaattctgt	120
agtaaagtat	catcttggca	gtgtgccaaa	ggtgaaaatg	atgctttctc	taacagagaa	180
attcttagtg	actccagtcg	tagaaaaacg	tctttacaac	ctgaataaga	ttgaagaatt	240
gtgaacatac	atcggcctat	tggatgaatc	atttgcgta	ggctaaatca	gactgtaggg	300
tttgtgatgg	atttatggag	tatgtgggta	tagaaatcat	gaatctagca	tttgttttca	360
gagattcaag	catagtcnta	agggtagatc	agaaatgaca	aatgaattca	aaacctagca	420

gggtgcattgt	aaatgtgtgc	ccagttatgt	tttggaatg	gcagttcctt	gggtcatgt	480
ntctactggc	caaatttgca	atagtgttct	atngnatgta	atttctaaaa	tttattagga	540
ttatccnctg	tggccaagta	aactgtctgc	caatagaatt	ctgggaattg	tgagaaattg	600
tatcattgaa	gttcagntnn	gatgngtggc	ttaaaaaatt	tatcnnggac	cccanacan	660
ggaaacnana	antatttngn	tcctgcangg	ttcattgcca	cgggcannga	aggtatttcc	720
cagaaaaata	cctcnnn					737

<210> 4951

<211> 785

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (785)

<223> n = A,T,C or G

<400> 4951

ttgnancnt	ttgaaaccct	ttttanantt	ctancataca	agctacttgt	nctttttgca	60
ggatcccatc	gattcgaatt	cggcacgagg	gcnaactntgn	agaattcgtg	cngatganga	120
ctgcanaatg	aagacctact	ttcaacttnc	ttttgncccc	ctctagnaga	atcaaatnga	180
atcttttact	tacctctgtg	caaaanaaag	aaaaatgaaa	angtncatn	tattcattct	240
gttntctatat	agcaaaactg	aatgtcaaaa	gtncnttctg	tccacacaca	caaaatctgc	300
atgtattggt	tgggtgtcct	gtccctana	gatcaagctn	cacatcagtt	ttacnatata	360
aatacttgct	ctaccttaat	gatgaggact	ccttaaagnc	ncatttgcta	ntgatnaata	420
cactgctngg	gctggccagt	ttttnatgcn	tgcagcttga	cnantgagca	cactcaggcc	480
tttgtnttaa	aatgaaaaaa	tgaaaaaacn	aattcaaaac	ctattcaaat	ggnttctagn	540
caatttgttt	agtataaatt	gncatagctg	gtttgcttga	aaacaaacac	atttaaaatn	600
ggtttacctc	aggatgacgt	gcagaaaaat	gggtgaagga	taaaccggtg	agacgtggnc	660
ccactggtag	gatggacctt	tgagcttctg	gtgctccgnc	catggngacn	atgacacacc	720
ctggnggcat	gccccgtgat	gtgngttaac	gntgtctgca	ttgtctaaan	tgaacangtg	780
ttagc						785

<210> 4952

<211> 1523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1523)

<223> n = A,T,C or G

<400> 4952

gggggggngn	ngcgngngtn	gggggggggg	gtntttcnnn	nnnnntggng	acaccctttt	60
ttttnggggg	ganaaaaacc	cnngnggagg	ngcgngnggg	ggctngnggg	gannnctggn	120
nnngnggggg	ngggggggcn	ggnttgaggn	ngngngnggn	cncgngngng	ggcgngngnc	180
gngngggngg	ggnggggggt	nnnttttttt	tnggggnncg	ngaggggggg	ancnaggcgg	240
nnnggggggg	ggggggggnt	ggngttgcnn	ggggngggag	ggggngggag	gnngaagggg	300
aggnggcggg	gannggcggg	cagnggaggg	gggncgnggg	ngggtggcgn	ggngngggcg	360
ggngngnggn	gccgnnttnn	gggnngcgcg	gcgncctngg	cgccggcggg	gangngcgcg	420
gncgtgngag	ggnagacggg	agncgnggca	nngagctggn	gtcngngngcn	ggcgggggcg	480
nagnagagnag	gctcnatngg	ggggngggcg	ggngtgnggn	ggggncnncg	agngggggga	540
nnaggcgtng	ggcnggntcg	nnngngcggg	ggcgancggg	gagnttgngg	ngggggccag	600
gngngggngg	ggggnggggn	ggggngnatc	gcnnngcgnt	gacggngtgn	ncggngccgg	660
cngggcgcg	gngancncgg	gaggaacgnc	gcangggggg	cagtggtnng	gngccgangt	720

cnegtgtngng	cgagngngn	gagagggagn	gnngntgggt	gggncgagg	ggatggccga	780
nggtcngnng	gggggaggng	gnngngnngn	nngagggcgn	tngnntggct	nngggggccc	840
aggngcnggc	nnngcngngn	agggngngnn	gggnaggcgg	gcntgggntg	gccaganaagn	900
gnnctggggg	ggntagagng	cgngngnggg	gnnnntgnng	agacgggcng	agcgggcggg	960
nggcgggcgn	gnngngngcgt	gnnagagcgn	gcggnggcgn	gtngnccng	gcggncngnn	1020
gcagaggngg	gacacagcnn	cggagngngg	tgnatgnnga	gangagngng	nnngtgggcg	1080
nacggttagc	gggcngcngg	gagagngagg	tgncgntggg	ggagcnnctg	cgngctagag	1140
aggcngcggc	gnngngatag	gnngggngga	gcntgngngg	ganncgatc	tagggagcgc	1200
gagtggngng	nggtngacgn	gagggggngg	tgntnggaga	gnngnggagc	cgngngcngn	1260
tgtagagagn	cagnggcgtg	ccngtggggc	anagggcngg	tgcnncngta	ganatggntg	1320
nngcnctgcg	gcngcagagg	cnnatagngg	ngtgnngngg	gangagcngg	tgtgggcngg	1380
cgcnnggggg	ggcggcngag	tgacgntnng	cgcgatngnn	nggccnccgn	ngcgngcga	1440
gangngangg	gnngngcnnn	cgcnnggaga	nngnnaggna	cagggcgagg	gangcgangn	1500
gntgtgtgnn	aggngcggnn	ggt				1523

<210> 4953

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (758)

<223> n = A,T,C or G

<400> 4953

gacttcnctt	tcnaaananc	tnggaagctn	antnncctaa	ananaaggtc	ntgggcgaga	60
gttctggatg	agacttggtg	tggtccattc	tgggacaaaa	ttcctctctc	tctctctctg	120
cggaccctg	aaatctagaa	aataagttat	ttgcttctaa	aatacagtga	tgggacagac	180
ataggataga	cattcccat	tcaaaagtga	gaaattgggc	caggtgcagt	ggctcacacc	240
tgtaaccca	gcacctgtaa	tcctagctcc	ccaggcggct	gaggcaggag	gattgcttga	300
gcctgggaga	tcaaggttgt	agtgaagccat	gattgcgcca	cctttattgg	gaaactttta	360
ttccagttac	caataacaca	ttcctcattt	nctccagaga	cctcaccaga	aacaccttta	420
atattcatat	ttctagcagc	cttctgttca	taacaatata	tgcatcctgt	taagatgata	480
ggagatttct	cttgacctc	tcctctttgn	gagcctgcan	gggacattcc	cttttaattgt	540
ccatatttct	accagcagtt	ctcttnaaag	caagtctaag	gtntttccta	acattacacc	600
tnaaaattct	tgcanntntt	nnccaagcac	agtgccttac	atctggtaat	tcctaacact	660
ttganaaggc	cnaacatgga	acaggaatgc	ttgagctcaa	ngagttcaag	accagcncgg	720
gcaanattat	ggaaccctnc	cttttcnaaa	aattncnt			758

<210> 4954

<211> 781

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (781)

<223> n = A,T,C or G

<400> 4954

tgagncnttn	nanccttttg	aaatttttan	acagctactt	gttctttttg	caggatccca	60
tcgattcgaa	ttcggcacga	ggttgctctt	ccatgcgttg	gtcagggggc	cctgaaaaca	120
ctggtaatat	taagagtctt	tctcagggta	acttaatgtt	ttcttaatga	acaatgtttc	180
cagctacaaa	ttctttcaat	aaattgtctt	cctttttgaa	aagtactctc	atagaagaaa	240
tttagcaatt	tctcgttgac	tgactcagtc	tatttttaagt	attcagaaaa	gattttgatc	300

cccattgagt	taatgctctg	ccttgaaaat	tatttttctg	atccttggtta	gtgataacat	360
tttttttcta	ctgaagggtca	gaggatanga	aacaagtatt	tctcttctgg	tatacatgta	420
atgtattctg	taaaaaagta	ttcatattgg	caatttttagt	taggcataat	attgtgggtg	480
taatttttaa	aacttagtgt	tttgtctgat	taaagcangc	actgatcagg	gtatctccta	540
agaggttaatt	cacttcttat	tcctttccaa	taattattac	attctaaatt	ttcatctatg	600
agaaataaca	aacaagaagg	gaatagaatt	aaattgggggt	ataatctaata	cttcattgggt	660
taaatgggtt	gccttctccc	attgaagcca	ttttttatag	cctcanaaag	aggaaataat	720
gccttcaccc	attttctacc	tggtgacttg	aaaaatggac	cttttaagtt	aggagaagaat	780
t						781

<210> 4955

<211> 939

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (939)

<223> n = A,T,C or G

<400> 4955

gnnnttctaa	tttcctaaat	ggctgggcta	cttggtcttt	ttgcagggtat	cccatcgatt	60
cgaattcggc	acgagtgaag	aggaaaaagt	tcaaaaaata	aattacattt	tataaataag	120
gcaaggaact	ggacattacc	tcacatctgc	aattccaacc	ctctgggagg	ccaatgcatg	180
tcattcnttc	cnatanntnc	nactcnagac	acatgatgtg	attcacagaa	cnaganaang	240
nntccaccta	ctgtcctgnt	tnangnnggg	atgctncata	aagaggatna	cnnttaance	300
actaacagtt	atgcctntna	tcttgaatct	gttcctacta	gttttcgnt	ncctgggcnt	360
gttactttat	gtttccttnc	ntcannttac	ctttaatatg	anaatantna	tnattntttt	420
accatgggtc	cttacttnan	ngatantttt	ntnatnnttg	catngnnata	nnancntnnn	480
gtnccttcnn	cantntaaat	tcttaannnt	nntcnttatt	cnntnttctt	ntntnttttn	540
tnattnnnnn	ntntntacnc	ttannttcn	cnacatcanc	caatttttnt	nntnnnttnt	600
tncannanaa	ttnnntnttt	tnatanattt	tnntntactt	ntgnnanatn	gggntnat	660
tnctntnnca	antgggttnn	nnnttttttn	ncncnnnann	naacntcntt	tnatcnnttc	720
tnnnatnnnc	nattnattan	tctntnnctn	ttnttatcna	cncaattncn	ntatnntnat	780
ctntatannt	tnnnaatnnn	tnanantacn	tntannntnt	tctntntnt	tntanaatcc	840
nnaatntatc	ttntnttnnn	nntctaaaan	agctnttncc	nttttnaatc	nctntntnt	900
nnattntntt	ttantctnta	cnanactttt	nttacttcn			939

<210> 4956

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (780)

<223> n = A,T,C or G

<400> 4956

ttganccttt	atacagctnt	tgatttgana	cctttanaca	gctacttggt	ctttttgcag	60
gacccatcga	ttcgaattcg	gcacgaggga	acatctttac	caccaacgtt	ttacctctgc	120
ttcaacaatt	tggccttgtc	aaagacacct	gctcatatgt	aaatgtggaa	gatgtctcag	180
gagccatata	acatctgtcc	cttggggaga	tcccagctat	ggcacagccg	tttgtatcct	240
cggaagaacg	gaaggaacga	tgggaacagg	gccaggtga	ttatatggga	gcagattcct	300
ttgacaacat	caagaggaaa	cttgacactt	acctccagta	gaaacactgc	atttttctgt	360
gaacacatcc	acttcacaag	ccttgtttct	gatacttagt	atctagagct	gggttgagaa	420

aagtctgtta	cagttgctag	aggttttcat	taaaacttat	cagatgagag	gcttttttag	480
gataagaggt	gagaactggg	caaaagttgt	gaagcagcaa	ttctgttata	tggaacagtgt	540
tctgcttttt	aatcctatth	agcttgthtc	agaaattctc	acttttgthg	actgccaaca	600
tacaaagtaa	gggaaactca	agatattaag	atggctgtat	cagttcttaa	aatctgcaga	660
gcctggthca	aatcagthca	ctcccttcag	aagcagacat	ggcatctgth	ccttgctthg	720
ttgttgthtg	tgtcctthca	cgagacctga	attthtagaat	tgccagthg	tgccagagthg	780

<210> 4957

<211> 1210

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1210)

<223> n = A,T,C or G

<400> 4957

gtnnnaacng	ttaacnctc	tgtctthgag	gtccatcgth	cnatcggaen	agtatgnatg	60
catnctccc	ctgtgcatg	agnntgnan	gannnacagc	acatgggctn	taggaenctn	120
angtgcnaa	nctnnngan	tgnnncngca	cgncnacng	ctncttgccc	gcctaangtg	180
aatatcgtnc	ncgacatgna	gtgcatcang	agtganngag	cccctngent	gaatgtatnt	240
cgtctcaat	acnntntatc	gccnacatnc	cttnancntn	gctaccactt	cagcatgatc	300
ccactgctcg	aatttgccat	tcngtaattc	cttaacnagg	ngcntgnaan	ngcggaaaen	360
ttngtccaag	tnganacccc	tagctcttht	naagcgntht	tnnntgggga	aaantnccan	420
ncctngnga	caagantngg	atthttaacc	caattggggg	aaacccgcct	tgggcnact	480
ttnggggtht	nnccccaaaa	thttcccncc	cttggganta	aaaanncnth	thttcaagg	540
gagcgggcct	tcancanatt	nccngthtaa	ggngththct	gattcaaaen	ccntgncccg	600
tggaantcna	ngnggnanag	ngnaaaaaat	tcnntnggg	nactgcanaa	attnenncgt	660
tcggattggg	ngnnntntnc	cannanggcc	cctgtntccc	atangggngn	aaaactccgg	720
gccantthtt	thttaaanaa	aacctnggga	aantcccnth	tnthtaatta	ncaccctggg	780
gacgtccana	ttggggggng	acatttgenc	natggcntht	gcctatantt	cgtaccncng	840
aaaaatcggg	agantnccct	ttganaaaant	tntnccagaa	acntngccnc	anaaccttht	900
ggncnntgg	gthttggtcaa	ttgaaaatcc	aaaaattann	tgcccccctgn	nagacnggn	960
ntcaaatagg	ccgctthntg	gtacttcncc	taaacaaatc	thngntagng	cattngcgct	1020
caatggnaan	ttcancctnc	cngngnacnt	ngggaanngg	atthtaaac	cggaaaaant	1080
thnaaccnna	acnactgggc	tcatnngcta	cttggnttht	atthaaaccc	cnntgatta	1140
ncgggnctht	ncagnactth	gcacggcnat	gcantagthg	acccggnnng	gthncaanne	1200
thcnthtgc						1210

<210> 4958

<211> 837

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (837)

<223> n = A,T,C or G

<400> 4958

ththththtac	ttaacatnth	ngcctactcg	gnnctththt	cagggatccc	atcgcnthtc	60
gaanntcnng	gccgagggtg	tgntccaag	thntncatga	ntagcaacna	ganggtgthg	120
anatnantgt	gtaaggctgn	gaattctthg	tgnaaggaatc	gnagaanacc	tgntgctgca	180
aaatcnthca	tgthccacat	gganagggaa	gnctaanngc	tattcanaac	antcnththt	240
tgthththaat	taancnattg	cagctatctg	ggthththcg	gncagaatat	taanthctctg	300

gntgattctn	catattccaa	tgnatnaaat	ncanaaccat	tgngncttta	agatngtgtc	360
aatnttcacc	taacaactng	tgccnaaagc	acctgcattg	gtaatnatat	ttcncttaaa	420
gggcaaattc	tgncantntc	ctgntaactc	aaaagtgcac	tnttccnctt	caaaaatggt	480
gntctcagtn	atcncacatn	ctgcaganat	ntattttatat	ctatacntat	anctnnntga	540
aatacnntta	ctcacnaaat	ntattnctga	tnaacattcc	catgttaaat	ctnangcccc	600
aaacctttct	aaattntggc	ccctnanncc	nttaatattn	taaaaaaatc	taaaattctg	660
nnntttcaaa	tttgnnctnt	aagcnttntt	aanaaatntt	cncnaccntt	gcctttccaa	720
tacctnccc	cttggnttaa	cnaaatttnc	tttnaatanc	cntcaccttc	ananactgga	780
ttctctttca	aattnnntct	ngcntcgaat	cattantaac	ttttgggnct	ctcnct	837

<210> 4959

<211> 1302

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1302)

<223> n = A,T,C or G

<400> 4959

gnccggcgcc	agtgcngtac	ccanagcaga	acgacccgta	aaaccccttg	ggaangnccg	60
ggacgggncn	cnngngccgn	nccncacnec	cncncnnnac	accccntttt	nccccattt	120
tancaccann	atngncnnan	cangggggng	nannacngng	naaaaccng	gngagncccc	180
nnccgcnggg	ganncanang	ngcngnnaag	naaccnggng	cnncaancan	ccngngcgng	240
cccacanaca	cngggccanaa	gananaacga	agcgnacgcg	gncgaagncg	ggngnacagn	300
aanaaacnnn	cngcacngcg	naaaangccg	cncaacanna	gcnaagggng	aacnggacac	360
ngccngancn	cncgncggan	ncacngannn	ncgcannanc	gcacangagc	ggaanaccacc	420
cagcnngcc	naangcggca	canacgncnc	ggggnnnnncn	anccgngncc	canangnnna	480
gacncnggna	caccncncca	ccccnangcc	nagannnncan	aannccnagn	naccnagac	540
annacnnnnn	ganncncnnn	cnanccgagg	nacannncng	nanngngac	ccnnnnctnn	600
nnngccnana	nannccnnac	ancnccccca	nccncccgag	ngaaaacncnn	naangaccan	660
cncaanacga	cncncgaca	nnacacnngn	gcccancnaa	nncaacacna	agnnnaccan	720
acngcncnnc	gnacnaaacn	ncacgcncgc	ggagcccgaa	ccaacgcacg	acacgcgacg	780
accgancanc	aagaangnga	ccncacacgn	agcgnccnnn	cgcgcgnanc	gccggacnca	840
nngacanncc	gaanagannc	gcggngangng	cacgaancaa	cggccannng	nnganngagg	900
agcnacaacc	ncnacggang	cgangccgna	nagangacgg	accaagacnn	gaanaccgnc	960
gaggccnaac	aaacggncga	cgcccgcgga	ancncacnan	cncngnnggn	canncnngac	1020
ccngananca	cacancgcnc	accacangnn	ngnggaacac	gacaangcca	cgnacanaac	1080
gacgaagcan	gaacanagnn	gncgcaannng	nnancnagnn	nggaanacac	acncgaaccg	1140
aacacanacg	aagnaanaacc	aagagcanna	gnagaagcnn	acacagacac	naaacngnaa	1200
ccggcccnna	gnanccanc	gcncnngcan	cagngcacaa	naanncggan	ncccacgcca	1260
aaacngcnac	agnncgcaac	gnangncnnc	acgccanacg	cc		1302

<210> 4960

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (769)

<223> n = A,T,C or G

<400> 4960

aanaacgtaa	ttnaacgcta	gcgctctngn	ngatccngna	gntctntcnt	tcttccaatg	60
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ccngaanc tgcnttgga tgnngctaca tgnatctagg tgttgangct ttacncgcna      120
gttgncgat gacgcntggc anangnccag gntntnmnta natccnaaca ncatantgag      180
gnatnggatg cctacnngca gagncgacag aactcacgct ntaaaannag gcgccacaca      240
cgggacgant acgttagaaa naatncnntg tngtgtntt tcctactcnc ttactcacag      300
cncatcagaa ggaagnngac nacnagctng aagcnggctt nataccnnat atcgncngct      360
acancctgng ncaccactgc catngcgatg cttnactnca nctaattnta ccatnnanga      420
tgcntcatgn acctgmncta gcnccgcan ncttntggng gccctatnn tagagaacgg      480
cttnnctcca cactgtaatg gtagngattg tggatnttcc tctatcatgg aaggganttg      540
aaacngntnc nctggagggt nnggntgtng actgcacttg nagcattcgn attcatgntg      600
anctcggaga ttactctgg ngttccatca actntgantn caaacangat gatcnnngat      660
taggncgntt tccaatgttt gngccaaatt tgttaanann aacnacngga ttncaannta      720
anttggnnaa nccntnttaa ccnttcgggc tcntgtcctt nncntngcc      769

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<210> 4961

<211> 880

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(880)

<223> n = A,T,C or G

<400> 4961

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tntttnttt actttcgctc ccgttctttt tgcngatccc ncgattcgaa ttcggcacga      60
gagaggggtg ggtctggcca cataggtacc tctgtggctc tggctctggg ttagacactg      120
ttagggacta gcatttattg gacttgtaaa gacagcacct cagaattagt aactacttgc      180
attttagggc ctgttttatg aagccaacaa gtgaatgtaa aataggctct gcattctttc      240
tgagagccct gtcactgggc agtgagcatt tccaaaattg cagctctgtc agaatgaacc      300
atgaatactt aagaaaagga aagtaggaac agggagcaga gcaaagcata acttgctgtg      360
ttccagggat ttaaaaaataa attactgtca agagcaatat aagggtcatg ggtttgatca      420
ngaacttttt tgtaaatgaa aaagttcaca attttggnaa aaacagtgtc agatgtgtta      480
tggaattgtt tatcacanaa ttcttcncc tgaaacttca agttntatna agacaaccaa      540
ntatatgtgc ctgngaaat tcttaaattt cttgncctt atngggaaag gtnaacccaa      600
nacnntcang naanccatt cccntttttt tggcntttgg aaacttgmcn acccggttng      660
gncanccccc aatttttcnt aaaaatttaa tggtaaaacc ttttnanacc cantatcant      720
nnnnccatt ancnacccn ctncatntac ccnccccn tctncttnaa tanaaacttc      780
tcngntgccc ctttttnnaa anaantcttt tannnecgaa ccccntctt tttcccgcnt      840
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<210> 4962

<211> 880

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(880)

<223> n = A,T,C or G

<400> 4962

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tntttnttt actttcgctc ccgttctttt tgcngatccc ncgattcgaa ttcggcacga      60
gagaggggtg ggtctggcca cataggtacc tctgtggctc tggctctggg ttagacactg      120
ttagggacta gcatttattg gacttgtaaa gacagcacct cagaattagt aactacttgc      180
attttagggc ctgttttatg aagccaacaa gtgaatgtaa aataggctct gcattctttc      240
tgagagccct gtcactgggc agtgagcatt tccaaaattg cagctctgtc agaatgaacc      300

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atgaatactt aagaaagga aagtaggaac agggagcaga gcaaagcata acttgctgtg 360
ttccagggat ttaaaaataa attactgtca agagcaatat aagggtcatg ggtttgatca 420
ngaacttttt tgtaaataaa aaagttcaca attttggnaa aaacagtgtc agatgtgtta 480
tggaattgt tatcacanaa ttcttcncc tgaaacttca agtntatna agacaaccaa 540
ntatatattgc ctgungaaat tcttaaattt cttgncctt atngggaaaag gtnaacccaa 600
nacnntcang naanccatt cccntttttt tggcctttgg aaacttgncn acccggttng 660
gncanccccc aatttttctt aaaaatttaa tggtaaaacc ttttnanacc cantatcant 720
nnnnnccatt ancnaccccn ctncatntac cccngcccn tctncttnaa tanaaacttc 780
tcngntgccc ctttttnnaa anaantcttt tannnncgaa ccccntctt tttcccgcnt 840
nnatatncc ncatcccttt tgnanttcac ntactccnnt 880

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<210> 4963
<211> 778
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

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<400> 4963
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tttcgccatg ttggccaggc tggctcaaaa ctcttgacct cagggtgatc acccacctca 180
gcttcccaaa gtgttgggat tataggcgcg agccaccatg gctcagcctc atgttcgttt 240
ttaaaactta ggttggtggc tcttttacat tgattggtag gaactcttca tattacgagg 300
cagttagcta gttgtctgtg aaataaaata ctaatgattg aactttctag gaagtaccta 360
ttctgctaata agtgtaaata tacacttatc cagggtcaga aatactcaag tttaccact 420
taaaagatct agaaaataca tgaacttggg cttacttgcc agttaaatt gnttatctca 480
gaattgtacc atcaccttaa ttaaagtaga tatgctagga ttatcctgat aactaattaa 540
catagccttt ccccttagt gttcttcacc tgaatgtagt anttgnactc ttcaagtcta 600
gcanaggcca ataaaaagtt cagagttnca naaacatcaa ancctnntcn ancncnnna 660
tannnnctc actcacatcn ncncatcccc acntacaaac ncacnnnnnc nccccntnn 720
ctnccccntt acnctacct cncnttccn tcnnaantcc ctcncacgc ncnncnnt 778

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<210> 4964
<211> 778
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(778)
<223> n = A,T,C or G

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<400> 4964
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tttcgccatg ttggccaggc tggctcaaaa ctcttgacct cagggtgatc acccacctca 180
gcttcccaaa gtgttgggat tataggcgcg agccaccatg gctcagcctc atgttcgttt 240
ttaaaactta ggttggtggc tcttttacat tgattggtag gaactcttca tattacgagg 300
cagttagcta gttgtctgtg aaataaaata ctaatgattg aactttctag gaagtaccta 360
ttctgctaata agtgtaaata tacacttatc cagggtcaga aatactcaag tttaccact 420
taaaagatct agaaaataca tgaacttggg cttacttgcc agttaaatt gnttatctca 480
gaattgtacc atcaccttaa ttaaagtaga tatgctagga ttatcctgat aactaattaa 540

```

catagccttt	cccccttagt	gttcttcacc	tgaatgtagt	anttgnactc	ttcaagtcta	600
gcanaggcca	ataaaaagt	cagagttnca	naaacatcaa	ancctnntcn	ancncnnnna	660
tannnnctc	actcacatcn	ncncatcccc	acntacaaac	ncacnnnnnc	nncccnntnn	720
ctnccccntt	acnnctacct	cncnttccn	tcnnaantcc	ctccncacgc	ncnnncnt	778

<210> 4965
 <211> 827
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(827)
 <223> n = A,T,C or G

<400> 4965						
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ttgatccnag	nnncnctcaa	ttccgccttt	gttccctctt	tccatgccgt	ttnttcnngg	120
ggcccnnggan	aacactggtn	atattaacag	tctttctnag	ggtaacttaa	tgttttctta	180
atgaacanat	gttccagcta	ccaaattctt	atcaanaaat	cggttcctt	tntgaaaagt	240
actctcatag	aagaaattta	gcaatttctc	gtgactgact	caanctattt	taagtatnca	300
naaaagattt	tgatccccc	tgagttaatg	ctctgccttg	aaaattantt	ttctgatcct	360
tgntagtgat	aacatttttt	ttctactgaa	ggtcagagga	tnggaaacaa	gtattcctct	420
nctggatatac	atgtaatgta	ttctgtaaaa	aagtattcat	atnggcaatt	ttagttangc	480
ataatattgt	ggttgtaatt	tttnaaactt	tagtggtttt	gncctgatta	aagccancgc	540
ttgatcaggg	tatctcctaa	agagggnnat	tccaccttnn	tattcctttc	caatgaatta	600
tnacattcta	aattttcatc	tntggagaaa	nnnacaacca	agnangggga	atnggaatta	660
aaattggggg	tataaatcna	nnctccatt	gnttnaaatt	ggntgccctt	cncaccantt	720
gaagcccat	tttttatagc	ctcagaaagg	agggaaataa	atgccnccca	cctttttntt	780
cctggtagac	ttngaaaaat	tnaccnttta	agttangaac	aaagtct		827

<210> 4966
 <211> 785
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(785)
 <223> n = A,T,C or G

<400> 4966						
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ccccnnga	tcggcacgag	ggtgtgcggc	tgtaatttta	gctattcggg	aggctgaggc	120
aggagaatca	cttgaaccca	ggagacgaac	gttgacgtga	cccagatcg	taccactgca	180
ctccatcctg	agtgcacagag	cgaaactcca	tcttggggga	ggaaaaaaaa	gaaagtaata	240
gggangnaaa	tcagaanttg	tgtggganc	cccctatntc	tggctcttgn	tannatactn	300
nacgtgtcag	gcnatnctga	gagcgaangc	tnctgcntag	ggctagtttc	cattcagant	360
ggtttttgat	aggcatgaac	tagtctaact	caaagcatac	ttctgtgtaa	gctagcatag	420
ctcctntact	tggcttcata	ncnttgga	ttaatcgaga	aaagtgaaaa	aggagggttt	480
gncctgcct	tgaatagcat	ttgatnttta	atcctacatt	ntatcagagc	cccagcmttt	540
naaatgttta	atagccntat	gtgctgtttt	gccacgctta	cnaagttngt	acttctgtga	600
atgaaaaagt	gtgactggac	tnacataaac	tggmattgac	tnncagtcac	cagntatatt	660
ccatnttcaa	gymaaaaccc	aangactggg	ttntcctctn	ttttcttttg	aanatganng	720
cnnctaaaaa	tcaantaatt	ggggctgggg	tgtggaagcc	caccttgtga	aantcttatg	780
ccttn						785

<210> 4967
 <211> 975
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(975)
 <223> n = A,T,C or G

<400> 4967

annnnanncn	antnnntnnn	atntnannnc	nnentaantn	ntnnnatcnn	nanncnana	60
anatntnnac	tnnaaanaat	tnctaagat	taangggggg	tctaagtctt	ggaaactccc	120
ncgantaana	ggttngtcgg	cngctctggc	tgcccgccgg	tnagcagca	tggnctctnc	180
aggggcacag	tanngcgctt	cccganttac	cggagcgnaa	ctgccaggta	ccgcnaagtc	240
nnctctggna	tcagcgctac	caaggcgag	ncgantctgc	caagctacct	tagganccgg	300
gactnatcct	acttccgtgc	cctactagag	cggagntnc	ngnccgagga	ccgnatcntt	360
gtncatangt	gcngaacan	ngcncgtatc	tactaatctg	ttccntanga	cgctnccnta	420
atgnnaccag	tgengactac	tcacnatac	nnggnagctt	gatangcnng	ctnacnatgc	480
ccatgtgccc	nnatcctcnc	tnngaaaacn	nngaagtgtc	gcgaangctg	ngacntttcn	540
ccaaagcttt	gtttttgaan	tnngttnntc	gaaaaaann	ncnncacttg	ggaatncccc	600
tnaatnngca	tggggggaaa	ctaaagnttc	cccttggnaa	ccccatnnta	nccctttnta	660
aaaagggtat	ttaaccccaa	ctttgggggc	aaccccaaaa	ntnttttgta	aacntntaat	720
nttcggaagc	ccctgggaan	nantttgngn	aancctntag	nnaaggggcc	cnggnanttc	780
ttnttcnttn	naacangan	nttttttann	gccnngaccn	ncctcgannn	ttttaaagg	840
gcccnanaan	ccntntttg	ccnnaaaacc	cttttagngg	tnaggancc	ttgagggaatg	900
ccccctttt	ggnaatgngg	atttccactt	nccnatgngt	aaccnana	naaaangng	960
gaaaagctaa	aancc					975

<210> 4968
 <211> 1150
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1150)
 <223> n = A,T,C or G

<400> 4968

gncacgntnt	tactccttgg	gnaatnagtt	ngnttnangc	cctttctcta	aanagaaatg	60
ngngntggcg	aanttcggca	cgagtngaa	gcacnccat	atccttagaa	tagtntnact	120
tnggctatna	acccctngcc	ggctgnggct	cccantgtg	gtnantctgn	natgtgctat	180
acccaaccta	gagcangggc	gccatgcctg	gctaatanann	ngtnattact	ttntcanca	240
gatggggctt	tcactntgnt	gnccangctt	gngtctagaa	ctcctgggct	ncaanttgat	300
actcctgcct	gagcctccca	aagtgcntgg	gattatagac	atgagcaaat	tgtacttggg	360
ctcaaatttc	ttgnttnaaa	ttgggctttt	ttgtcagaag	naatgngcnc	ncctttgaat	420
tatnatnttg	atcttggtct	cattgtatta	cttngnacc	ctattcnac	natangannt	480
tctatnttta	ttcaatgaaa	gcngccctgg	ggaatttatt	tgnccttng	tanccacntn	540
cngnggectn	tgnggnnttc	taaatatcnn	tngtccgctc	tacntnnaat	ntcggggggc	600
nccttatact	cnggtncacn	nnatngnaaa	aatnggttgt	cctntaactt	tcttnncaaa	660
atntgcgcca	gatntntntt	gnggnntant	ttnnanagcn	ctnttngtna	ntntnctntt	720
tgngncaan	tttatncact	ntngnaaana	ccccctcntt	atcnntataa	ccaatttcgg	780
naanattngt	canatatntt	acattatcct	ctaattntnt	ccccaatang	ntnanttact	840
ctncaaatnn	nnctantatt	cgngnntcta	tncnanaatt	ntctananan	ttctntncca	900
ntttctgnga	ntntttctgn	aannnttcac	ncgtgcggan	tannctatgn	ggacntaaat	960

ntttntancc	cccgganntt	nttncntaaa	aaangataa	gnctttttcc	acanactcca	1020
acaaantcct	ngtggannac	ttaaantnnn	tcatchccct	cnggnaacat	gtctnctntc	1080
ttanagtag	ncatnttga	tcnatntana	aaggnaaatn	ntgatnnggn	gtctntctta	1140
cttatcance						1150

<210> 4969

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 4969

gnntttctaa	ngcnnctnt	cttctgcngc	tccnncnate	cgtgnntaca	cancacgncg	60
angntntct	gactnttnnn	ctatgtaata	ngcaggngta	gttgnntntn	tgctgccatg	120
natgnatna	catnncatgt	gcagtgctn	acgtaatacn	ctccnatnaa	nctngttggn	180
cntactntc	nmcaacntgg	atatgncant	ttgnncagna	cnantgntgc	anattggaan	240
atgatggcct	nactcttacn	atgtgattgc	ctatatgncc	tctnnacctt	gaatacntnt	300
gntatncnan	ncanagtnt	aaaggatgnc	natnatagca	gcncctcttn	naaataagga	360
aacntccttg	aataatgtaa	aagcctcata	tacaataatg	aataataaag	aataatgtga	420
aggcttcatt	caaggttggn	gtttgccaga	tcattgcaac	aaaatgacag	agcanccaac	480
gtatttanga	tagtggccaa	agtattgtaa	tgatggctta	tgagagtgtca	gctggataaa	540
gagtgaata	gactaaaaac	taatggattg	ttcagtcgaa	tagcanatgg	tcaatggtca	600
tgccagctat	aataggggga	cccaaataana	aattggaaga	cccagtcana	agtggggant	660
tgatcaattc	canccaaaag	tggaatggg	caggggaatc	ggtaggcccc	anggttccaa	720
aaatgttacc	agnngncaat	tttgttgccc	ccatgggtggg	gaatccaang	gc	772

<210> 4970

<211> 710

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(710)

<223> n = A,T,C or G

<400> 4970

ttcnaatagc	tnggctcttg	ttctttttgc	aggatccctc	gattcgaatt	cggcacgaga	60
gtggctggat	aaaaggatgt	gtgggaaaga	actgagttga	aattaggagt	tagaatttta	120
ttctttggta	ctaaggaatc	attgaagatt	ttaaaattag	ggctgacata	atcagatttg	180
agtttgggaa	cctatagttt	gggactggag	gaagacaggt	gccagacacc	agttaaaaag	240
ctgttatatt	ctaagcagta	gacaaagggt	tactactgaca	atagctgtgg	agatagagaa	300
aagctgcgag	atttcagagt	ttccaagggt	gtaaacaact	aaattttgtg	atcaaaaatga	360
taagggccat	ctaataagct	ggggaatgtg	ggatctgtct	tggttgagtt	ggtggattaa	420
ctgagattaa	cagagctgga	ggaaatgtaa	aaagaaaggc	aggattgttc	attttgtctt	480
ttgtttgttt	tggggaacag	ggtcaaaatt	ttcattctgc	ataaggtagg	tttagtcttt	540
ttcaaaacat	tctagtaggc	aagtctgtag	ctgaatcttg	gaagaaaggc	aaccatagta	600
atatttttga	gttcctactg	tttatttttt	caataaaaac	tcaggttctc	aggtttagcag	660
atcatggtct	taggaaggta	gctgtagaac	ccaaaatata	aattcctaan		710

<210> 4971

<211> 710

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (710)
 <223> n = A,T,C or G

<400> 4971

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gtggctggat	aaaaggatgt	gtgggaaaga	actgagttga	aattaggagt	tagaatttta	120
ttctttggta	ctaaggaatc	attgaagatt	ttaaaattag	ggctgacata	atcagatttg	180
agtttgggaa	cctatagttt	gggactggag	gaagacaggt	gccagacacc	agttaaaaag	240
ctgttatatt	ctaagcagta	gacaaagggt	tacactgaca	atagctgtgg	agatagagaa	300
aagctgcgag	atttcagagt	tttccaaggt	gtaaacaact	aaattttgtg	atcaaaatga	360
taagggccat	ctaataagct	ggggaatgtg	ggatctgtct	tggttgagtt	ggtggattaa	420
ctgagattaa	cagagctgga	ggaaatgtaa	aaagaaaggc	aggattgttc	attttgtctt	480
ttgtttgttt	tggggaacag	ggtcaaaatt	ttcattctgc	ataaggtagg	tttagtcttt	540
ttcaaaacat	tctagtaggc	aagtctgtag	ctgaatcttg	gaagaaaggc	aaccatagta	600
atatttttga	gttcctactg	tttatttttt	caataaaaac	tcaggttctc	aggtttagcag	660
atcatggtct	taggaaggta	gctgtagaac	ccaaaatata	aattcctaan		710

<210> 4972
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (710)
 <223> n = A,T,C or G

<400> 4972

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gtggctggat	aaaaggatgt	gtgggaaaga	actgagttga	aattaggagt	tagaatttta	120
ttctttggta	ctaaggaatc	attgaagatt	ttaaaattag	ggctgacata	atcagatttg	180
agtttgggaa	cctatagttt	gggactggag	gaagacaggt	gccagacacc	agttaaaaag	240
ctgttatatt	ctaagcagta	gacaaagggt	tacactgaca	atagctgtgg	agatagagaa	300
aagctgcgag	atttcagagt	tttccaaggt	gtaaacaact	aaattttgtg	atcaaaatga	360
taagggccat	ctaataagct	ggggaatgtg	ggatctgtct	tggttgagtt	ggtggattaa	420
ctgagattaa	cagagctgga	ggaaatgtaa	aaagaaaggc	aggattgttc	attttgtctt	480
ttgtttgttt	tggggaacag	ggtcaaaatt	ttcattctgc	ataaggtagg	tttagtcttt	540
ttcaaaacat	tctagtaggc	aagtctgtag	ctgaatcttg	gaagaaaggc	aaccatagta	600
atatttttga	gttcctactg	tttatttttt	caataaaaac	tcaggttctc	aggtttagcag	660
atcatggtct	taggaaggta	gctgtagaac	ccaaaatata	aattcctaan		710

<210> 4973
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 4973
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 gagagtggct ggataaaagg atgtgtggga aagaactgag ttgaaattag gagttagaat 120
 tttattcttt ggtactaagg aatcattgaa gatttttaaaa ttagggctga cataatcaga 180
 tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga caccagttaa 240
 aaagctgtta ttttctaagc agtagacaaa ggtttacact gacaatagct gtggagatag 300
 agaaaagctg cnagatttca gagttttcca angtgtaaac aactaaattt tgtgatccaa 360
 atgataaggg ccatctaata ngctggggaa tgtgggatct gncntggctg anntgntgga 420
 ttaactgaga ttaacanagc tggangaaat gtaaaaagaa aggcacgatt gntcatttng 480
 tcttttgttt gttctgngga accagggctn aaatttccat tctgcatnan gtncgntnag 540
 tccntttcaa aacattctta cttangcaag tctgtcncct gaatcttnga aagaaaggca 600
 ccntnnctaa tatttttgag ttccctactg nttaatcttc cccaattaaa acctcacgtt 660
 ctcnagggttn cccacaacat ggcccttacg gaangctngc ttgtcncaac ccaaaactct 720
 cacattncct taaacntttt nccccatttg gggn 755

<210> 4974
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 4974
 tcttttcnaa tcnnntggcn cttgttcttt ntgcaggatc cctcgattcg aattcggcac 60
 gagagtggct ggataaaagg atgtgtggga aagaactgag ttgaaattag gagttagaat 120
 tttattcttt ggtactaagg aatcattgaa gatttttaaaa ttagggctga cataatcaga 180
 tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga caccagttaa 240
 aaagctgtta ttttctaagc agtagacaaa ggtttacact gacaatagct gtggagatag 300
 agaaaagctg cnagatttca gagttttcca angtgtaaac aactaaattt tgtgatccaa 360
 atgataaggg ccatctaata ngctggggaa tgtgggatct gncntggctg anntgntgga 420
 ttaactgaga ttaacanagc tggangaaat gtaaaaagaa aggcacgatt gntcatttng 480
 tcttttgttt gttctgngga accagggctn aaatttccat tctgcatnan gtncgntnag 540
 tccntttcaa aacattctta cttangcaag tctgtcncct gaatcttnga aagaaaggca 600
 ccntnnctaa tatttttgag ttccctactg nttaatcttc cccaattaaa acctcacgtt 660
 ctcnagggttn cccacaacat ggcccttacg gaangctngc ttgtcncaac ccaaaactct 720
 cacattncct taaacntttt nccccatttg gggn 755

<210> 4975
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 4975
 tcttttcnaa tcnnntggcn cttgttcttt ntgcaggatc cctcgattcg aattcggcac 60
 gagagtggct ggataaaagg atgtgtggga aagaactgag ttgaaattag gagttagaat 120
 tttattcttt ggtactaagg aatcattgaa gatttttaaaa ttagggctga cataatcaga 180
 tttgagtttg ggaacctata gtttgggact ggaggaagac aggtgccaga caccagttaa 240
 aaagctgtta ttttctaagc agtagacaaa ggtttacact gacaatagct gtggagatag 300

agaaaagctg	cnagatttca	gagttttcca	angtgtaaac	aactaaattt	tgtgatccaa	360
atgataaggg	ccatctaata	ngctggggaa	tgtgggatct	gncntggctg	anntgntgga	420
ttactgaga	ttaacanagc	tggangaaat	gtaaaaagaa	aggcacgatt	gntcatttng	480
tcttttgttt	gttctgngga	accagggtcn	aaatttccat	tctgcatnan	gtncgntnag	540
tccntttcaa	aacattctta	cttangcaag	tcctgtcnct	gaatcttnga	aagaaaggca	600
ccntnnctaa	tatttttgag	ttccctactg	nttaatcttc	cccaattaaa	acctcacgtt	660
ctcnaggtn	cccacaacat	ggcccttacg	gaangctngc	ttgtcncaac	ccaaaactct	720
cacattncct	taaacntttt	nccccatttg	gggcn			755

<210> 4976

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 4976

cntttctttt	tnnaaccntt	tgccctactcg	ctcntttttgc	aggntcccat	cgattcgctg	60
gttttgattg	gtcagattct	tttttacta	gcggcggttt	ttcttttatg	tcttggtata	120
aagaagtatc	tcattggacc	ctattatcgg	aagctgcaca	tggaagcaa	ggggaacaaa	180
gaaatcctga	tcttggaat	atctgccttt	atcttcttaa	tgtaacggg	cacngagctg	240
ctggacgtct	ccatggagct	gggctgtttc	ctggctggag	cgctcgtctc	ctctcagggc	300
cccgtggtca	ccgaggagat	cgccacctcc	atcgaacca	tccgcgactt	cctggccatc	360
gttttcttcg	cctccatagt	ttctctggcg	gcgctggtcc	tgtctctcat	tctgccgagg	420
agcagccngt	acatnaagtg	gatcgtctct	gcngggcttg	cccagggtcan	cgagttttcc	480
tttgtcctgn	ggagccnggc	gcgaagagcn	ggcntcatcc	tctcnggagg	tgtaccctnc	540
nttatacttg	antgtgacca	cgctnancct	cttgctcgcc	ccngtgctgt	nnaaaagctn	600
cnaatccga	agtgtgtgcc	cngaccgaa	gaanccngtc	cancctttga	tggcttcnna	660
gatgattgga	cccntggaaa	ngggaacctc	ttcnngngna	actnaancgc	nttaaaatng	720
ccananaanc	ngctnccttt	ctcgnaacc	nnccccccnc	n		761

<210> 4977

<211> 761

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(761)

<223> n = A,T,C or G

<400> 4977

cntttctttt	tnnaaccntt	tgccctactcg	ctcntttttgc	aggntcccat	cgattcgctg	60
gttttgattg	gtcagattct	tttttacta	gcggcggttt	ttcttttatg	tcttggtata	120
aagaagtatc	tcattggacc	ctattatcgg	aagctgcaca	tggaagcaa	ggggaacaaa	180
gaaatcctga	tcttggaat	atctgccttt	atcttcttaa	tgtaacggg	cacngagctg	240
ctggacgtct	ccatggagct	gggctgtttc	ctggctggag	cgctcgtctc	ctctcagggc	300
cccgtggtca	ccgaggagat	cgccacctcc	atcgaacca	tccgcgactt	cctggccatc	360
gttttcttcg	cctccatagt	ttctctggcg	gcgctggtcc	tgtctctcat	tctgccgagg	420
agcagccngt	acatnaagtg	gatcgtctct	gcngggcttg	cccagggtcan	cgagttttcc	480
tttgtcctgn	ggagccnggc	gcgaagagcn	ggcntcatcc	tctcnggagg	tgtaccctnc	540
nttatacttg	antgtgacca	cgctnancct	cttgctcgcc	ccngtgctgt	nnaaaagctn	600
cnaatccga	agtgtgtgcc	cngaccgaa	gaanccngtc	cancctttga	tggcttcnna	660

gatgattgga cccntggaaa ngggaacctc ttcnngnga actnaancgc nttaaaatng 720
ccananaanc ngctnccttt ctcgnaacc nncnccccnc n 761

<210> 4978
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

<400> 4978
cntttctttt ttnnaaccntt tgcctactcg ctcnttttgc aggntcccat cgattcgctg 60
gttttgattg gtcagattct tttttcacta gcggcggttt ttcttttatg tcttggtata 120
aagaagtatc tcattggacc ctattatcgg aagctgcaca tggaaagcaa ggggaacaaa 180
gaaatcctga tcttggaat atctgccttt atcttcttaa tgttaacggc cacngagctg 240
ctggacgtct ccatggagct gggctgtttc ctggctggag cgctcgtctc ctctcagggc 300
cccgtggtca ccgaggagat cgccacctcc atcgaaccca tccgcgactt cctggccatc 360
gttttcttcg cctccatagt ttctctggcg gcgctgggtcc tgtctctcat tctgccgagg 420
agcagccngt acatnaagtg gategtctct gcngggcttg ccaggtcan cgagttttcc 480
tttgcctgn ggagccnggc gcgaagagcn ggcntcatcc tctcnggagg tgtaccctnc 540
nttatacttg antgtgacca cgctnancct cttgctcgcc ccngtgctgt nnaaaagctn 600
cnaatcccga agtgtgtgcc cngaccgaa gaancngtc canctttga tggcttcnna 660
gatgattgga cccntggaaa ngggaacctc ttcnngnga actnaancgc nttaaaatng 720
ccananaanc ngctnccttt ctcgnaacc nncnccccnc n 761

<210> 4979
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(850)
<223> n = A,T,C or G

<400> 4979
ntcnttttgt ttttcaancn attngcctac ttgttcnttt tgcaggatcc catcgattcg 60
ctggttttga ttggtcagat tcttttttca ctageggcgg tttttctttt atgtcttgtt 120
ataaagaagt atctcattgg accctattat cggaagctgc acatggaaag caaggggaac 180
aaagaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac ggtcacggag 240
ctgctggacg tctccatgga gctgggctgt ttcttggtg gagegctcgt ctctctcag 300
ggccccgtgg tcaccgagga gatcgccacc tccatcgaac ccacccgga cttcctggcc 360
atcgttttct tcgcctccat agtttctcct ggcggcgtg gtcctgtctc tcattctgcc 420
gaggagcagc cagtacatca agnggatcgt ctctgccggg gcttgcccag gtcagcgagt 480
nttncctttg ccctggggag cccgggcgcc aantagcggg cgtcatctct cnggaaggtg 540
tacctcctnt atacctgagn ngtgaccnc gectnaagcc cttcttgctt cgcccccccg 600
tncctttcgn aananncttn ncnatccnc aagggttgtn nttgcccccc aanaaccccg 660
gnancanaan ccgggtnccc aanccnttc ttnaannggc ctttcgggcn anattcnaan 720
tggggcccc ctcnngnaaa ngggnnaaan nccttcttnt nngnggaaa tattgaaacc 780
nccttnaaaa natgggnccc nmccnacctc gtcctctttt tntggggcaa aacctnnngc 840
caccntncg 850

<210> 4980

<211> 1523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1523)
 <223> n = A,T,C or G

<400> 4980

gggggggngn	ngcgnngntn	gggggggggg	gtttttcnnn	nnnnntggng	acaccccttt	60
ttttnggggg	ganaaaaacc	cnngnggagg	ngcgnngggg	ggctngnggg	gannnctggg	120
nnngnggggg	ngggggggcn	ggnnntggagn	ngngngggng	cncgnngngg	ggcgnngnnc	180
gngngggggg	ggnggggggt	nnnttttttt	tnnggnncng	ngaggggggg	ancnaggcgg	240
nnnggggggg	ggggggggnt	ggngttgcnn	ggggngggag	ggggngggag	gnngaagggg	300
aggnggcggg	gannggcggg	cagnngaggg	gggncngggg	ngggtggcgn	ggngngggcg	360
ggngngnggn	gccgnnttnn	gggnngcgcg	gcnctngggg	cgccggcggg	gangngcgcg	420
gncgtgngag	ggnagacggg	agncngggca	nnagctgnnn	gtcngngngcn	gggcggggcg	480
nagngagnag	gctcnatngg	ggggngggcg	ggngtgnggn	ggggncnnng	aggnggggga	540
nnaggcgtng	ggcnggntcg	nnngngcggg	ggcgancggg	gagnntgngg	ngggggccag	600
ngngggggng	ggggngcggn	ggggnggnac	gcnnngcgnt	gacggngtgn	ncgggnccgg	660
cnngggcgcg	gngancncgg	gaggaacgnc	gcangggggg	cagtggtnng	gngccgangt	720
cngtgtngng	cgagngnggn	gagagggagn	gnngntgggt	ggggngcgagg	ggatggccga	780
gngtcngnng	gggggaggng	gngngngnng	nnagggcggn	tnngntggct	nnggggggcc	840
aggngcnggc	nnngcgnggn	agggngngnn	gggnaggcgg	gcntgggntg	gccaganagn	900
gnnctggggg	ggnntagagn	cgngngnggg	gnnnntgnng	agacgggcng	agcgggcggg	960
nggcggggcg	gngngngcgt	gnnagagcgn	gcggngcggn	gtgngnccng	gcggncngnn	1020
gcagagggng	gacacagcnn	cggagngngg	tgngatgnga	gangagngng	nnngtgggcg	1080
nacggttagc	gggcngcgng	gagagngagg	tgncgntggg	ggagcnnctg	cgngctagag	1140
aggcngcggc	gngnggatag	gnggggngga	gcntngngng	ganncgatc	tagggagcgc	1200
gagtggggng	nggtngacgn	gagggggngg	tgntnggaga	gngggngagc	cgngngcngn	1260
tgtagagagn	cagnngcgtg	ccngtggggc	anagggcgng	tgcnncngta	ganatggntg	1320
nnngcctgcg	gcnggcgagg	cnntagngng	ngtgngnggg	gangagcgng	tgtgggcgng	1380
cgcnnggggg	ggcggcngag	tgacgntnng	cgcgatngnn	nggccnccgn	ngcggngcga	1440
gangngangg	gngnggcnnn	cgcnnggaga	nnngnaggna	cagggcgagg	gangcgangn	1500
gntgtgtggn	aggngcggnn	ggt				1523

<210> 4981
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (757)
 <223> n = A,T,C or G

<400> 4981

tnntctcnnn	tgnaaccett	tttctaaagn	cccttttgca	ggatcccatc	gattcgggag	60
aactgtctac	tccttttccc	tccccatata	aactcaaagt	cctttggggc	ccaattcaga	120
gttatgtttt	ttttggcaca	tactagaaag	gcagtgcctc	agcccttccc	tgaatccatg	180
gaggtgttct	gtttggggct	ttttagactg	ctgctgctca	gctggttgct	tgaactgaca	240
gtagggcagc	ctgttctctg	ccattcccta	gtcatcctgt	gcctcaccac	agcttgctta	300
gagcaagcct	tttctcagac	cttaggcaca	gcctctcctc	tttacctgat	caatgttaaa	360
tgtaagcacc	cctgatccca	ggacataagg	aaagatgccc	aattgtactt	ttgtttctata	420
gcctgtgaaa	tggttagttg	atcatttttc	cacaaagaat	taggtgttaa	gagttttcct	480

tcaggccttta	cttaggagaa	tggactaagc	tgaagggtgta	cttcaccagc	aagagtcaac	540
tctagaattc	aggatgttcc	ttctattggn	ttcttagcca	tctgtcagga	aatgtaaact	600
ttggttttat	tttttggtt	atnccaaagg	ggtaaanccn	gaanatagaa	aatggataat	660
tttctnattn	aatagcngaa	ncctttttca	atctccaaat	atataanggn	gccnctctn	720
ttnaaaagct	ctaagcctaa	agtcaagagc	taggant			757

<210> 4982
 <211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(728)
 <223> n = A,T,C or G

<400> 4982						
gaggnttga	agccttttta	tagatacagg	ctacttggtc	tttttgcagg	atcccatcga	60
ttcgtctctc	cgggttaga	aggccgggt	actgacgcgc	agtgccagac	cttaccctc	120
acggncccta	agtctcgggt	gccctcgct	cgcagcctgc	caccgcgct	cagctgcccg	180
cctcctcagc	cagccatgct	ggagcatctg	agctcgtctg	ccacgcagat	ggattacaag	240
ggccagaagc	tagctgaaca	gatgtttcan	ggaattattc	ttttttctgc	aatagttgga	300
tttatctacg	ggtacgtggc	tgaacagttc	gggtggactg	tctatatagt	tatggccgga	360
tttgcttttt	catgtttgct	gacacttcct	ccatggccca	tctatcgccg	gcacctctc	420
aagtggttac	ctgttcaaga	atcaaagcac	anacnacaag	aaaccanggg	aaagaaaaat	480
taagaggcat	gctaaaaata	attgaggttt	tcatgattca	gcacctgctt	ttgnttctgt	540
gagatgagct	aaatttgctt	tcatacccca	gataagagct	taaaaccac	ctaagtctct	600
tatggcacia	ctgggggtata	gaatttaagt	tctctttata	cttcaattct	agcccaantt	660
gggttttgat	taataataagt	ngtttaaacc	ttntcttnat	aacttgctct	gaaatgggga	720
acaaaant						728

<210> 4983
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(747)
 <223> n = A,T,C or G

<400> 4983						
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gcacgagcta	ggatgacatc	tgggtgattg	actgtggcca	gtcttaaagc	tagtttttgc	120
tatgtggaac	atgctgctct	aattcagatt	taaagagttt	cttcctgtta	attcgaagct	180
cactgtgcct	cttgtttccg	agggagaag	gactgattaa	gtcatctaaa	tggatgcaat	240
actgaattac	aggtcagaag	atactgaaga	ttactacaca	ttactgggat	gtgatgaact	300
atcttcggtt	gaacaaatcc	tggcagaatt	taaagtcaga	gctctggaat	gtcaccacga	360
caagcatcct	gaaaacccca	aagctgtgga	gacttttcag	aaactgcaga	aggcaaagga	420
gattctgacc	aatgaagaga	gtcagagccc	ctatgaccac	tggcgaagga	gccagatgtc	480
gatgccattc	cagcagtggg	aagctttgaa	tgactcagtg	aagacggtgg	gtttctcgct	540
gggtgcgacg	tgaatttggt	aagctcanga	tgcccattgga	ttagactcat	gtagtagctt	600
aaagagtcac	taggcgatag	ganggagaaa	ccaagaagtt	agcagaatct	ggatataatt	660
cantgtccgt	aaatcccatg	aagagaagct	catcagaatt	aaggcaatgg	aatttgtgcc	720
caaaaaaaaa	aaaaaaaaaa	actcggn				747

<210> 4984
 <211> 1195
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1195)
 <223> n = A,T,C or G

<400> 4984
 gggnnnnnnnn nnnnannann nnnnnnnngnn ngnnnnannnn nnnnnncnnnn anannancnn 60
 nncnannnnna ggngaggag nanganannnn ancnnntttna nccccnttt tttnctaaaa 120
 aaagnaccct tggggttaa ancncccnt tgncccccnn aacacgagaa aaaagggggg 180
 cnggggggng gnnnnagngg nannncnnnn nnnncnnng nncacnagg nnggagcnaa 240
 gaagnaacn tttntanca ngnaancn atnncnna nagcancnc ggggggaaan 300
 cnggaagacc ncncnnngg nnaannana nnancnana nngngagca aacannana 360
 nnnannnggc nnaagcnaac ncnnannnn nccccagnc cgnnnncnn gnnnnnnann 420
 nannaccnac ancncnnng acnnaagaan nacncaana aacgnannna cncnancna 480
 gnacnnagcn nnaaacacc canncanaac caaaaanann ncnatngcnn nnnngnnann 540
 nccnnnncaa nnnnnnnnn nccgcnnnna nancnnncan ncagncacan ncgcacancn 600
 ancncanna ganangccc aancnnaann ncannaggnc annnacntna aggcanaacn 660
 acngnncagc acncnnanac gangccnag nganccacac anncgannnn cnnnnnnnac 720
 gnaaanana ngacngcnn ncangcgnac anaaganana acnnacganc cnaannaaac 780
 ancagcnanc annannann annngcnnncn nngannncn ngncgacan acanannana 840
 nngngancc cnnagacnan ngacnaaanc annacganga cangcngca ncnactcaan 900
 nannagnacn cccnanaacn acncnnaccn ncgngacac naccaaanaa nnaacancac 960
 nannaacnga naanacnacc nccgcnngn ccganccnag cncncncag ncnaaccnn 1020
 annaccannn ncannncncc cncgagccgn ccngacanac acncagaacc nnnnnacaac 1080
 aanacncna tcanannngn cnnccacnan ntncncagca cnancgcana cnncgacna 1140
 ncnnngnant nncagcgaca gcgnanacnc ntacnngna acnnnnnnnc gnccg 1195

<210> 4985
 <211> 735
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(735)
 <223> n = A,T,C or G

<400> 4985
 gcaatgtgct ctngtctttt tgcaggatcc ctcgattcga attcggcacg aggccttttg 60
 tggggtctca tacataactc agtttcaca agctgtgcc ccagctcagc cctatggnta 120
 gaagcatggt ctggggttcc tttgtgacc aggggtgtgtg ctttgtccaa gttactgacc 180
 ttcccaaacc tcatcaatgc acataaaaag agcattgca aacaatgaat ctagacatgg 240
 accttcacaa agaaataact caaatggat cccaggccta aatgaaaaat gaaaaactat 300
 aaaactccta gaagataaca taaaagaaga tctagatgac ctagggtttg gcaatgactt 360
 tttagatcca gcaccaaagg caggatccag gaaagaaata attgataagc tggacttcat 420
 taaaacgaaa acttctgctc tgtgaaagat gctgccaaa aatgaaaaga caagccacag 480
 actgggagaa aatatttttg atggaaatat ctgagaagag aggcctgtta tccaaaatat 540
 acaagaatt tctaaaactc aataattga aaataaaca cccaatttaa aaagtgggcc 600
 aaagatctta aatgagcct taccaaagga agatccngg atggcaaat aagcntatga 660
 aaagatgctt ccnggctggg cacngtggct nacgccgta atnccancct ttnggatgcc 720
 aaggcaggca gatcn 735

<210> 4986
 <211> 1497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1497)
 <223> n = A,T,C or G

<400> 4986

cnttcnnntt	cntgaacctt	tttttccnat	tccccnntna	tctcncgtaa	tncccnncan	60
ganttnccnc	ngcatcccna	cttantntcn	tntgngngcn	cagaagntnc	gngacnnttt	120
tttngccccc	canactgcgn	gtttntanna	ngnnanegcc	nngtcngtnn	tnncnttgnc	180
nnnnnatatc	cannccctnnc	tnntnccct	ancgcacant	ntcncaatan	tnnaacgnnc	240
nantnaccct	nccnatccac	ntcanagtaa	aatnctnnca	attncancat	tagtgnnttc	300
nannacctnn	cgttnnatat	ctgnnttcca	tccacaaagn	ccaatcnng	nacnccntn	360
tnantatncc	ntagagnncn	ccnnntccca	tctatcgnet	nnnnnatnct	nggaccnnnn	420
tcccatncca	nnngtnann	engantnntg	tgncacnnnt	gngnncngca	tctcaancat	480
catctcgtct	cttgacgatn	tncttantcg	gcgcattagg	ntcnatcgnn	tantnngntc	540
ancacctant	ntaatctcan	tntnatcann	tctacctatn	tcatatcngc	canacagtct	600
cnetctaaat	ncnncgcann	gcncatntat	caantcanna	nactcntata	nctcacatnt	660
ctcnngngnc	atntactctc	cnagctctgt	catttttntc	atctntctct	ctgatacagc	720
cacntnggaa	aactagcnn	tactcacna	tagccnnatc	tatacgctcn	ctntcnnag	780
ngactcgata	natgcgtgcg	tgntcnnctc	atagcnnccn	nctcattngc	atnananac	840
tcnntcgcg	nactgttgtc	ntcatcttgn	nncantacan	tgagaagtnt	tatatatagc	900
nacnananat	atagactcat	ctcactacnn	angacgcgan	gctanactnt	acttatanac	960
ctcacnattn	gncactntac	ttatactntc	ncntntntga	nacggctnca	gtatategcn	1020
gggntctcac	ttactntnng	cnctntcact	ntcctnngng	cnnnnaacag	tatntacact	1080
ctatnaatcn	canacgncna	ctgctccatt	ctgncccaan	ntctntctc	gcancnnnt	1140
nnnnntcgna	tnngcncgat	cattgncnnn	natngngtcn	ctctncanna	ctnctctctn	1200
gncngccanc	cacnnngnag	cntctcnnct	atnnegatcn	tnngnactn	antaaacctc	1260
atcacatcnt	cntctctccn	cnctntnnan	atctacctn	ntnttnaatg	cntnatgtna	1320
ctccacgant	atntcncact	ttatcnntnt	ccnctntatc	gnnctctnt	tancagtctc	1380
nacttatng	ctctnnngnc	cnacnntna	gcctcncggn	ttnatactcc	ntcncnatgt	1440
cgnctccncg	nagcnncata	ngngnntnnn	ntatcntata	cgnntcanan	tcgacnt	1497

<210> 4987
 <211> 769
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(769)
 <223> n = A,T,C or G

<400> 4987

tttctaaatg	gcttggnctc	ngttctttct	ncangatccc	atgcgattcg	aattcggcac	60
gagcccagag	aagagctttt	cagagaaagg	tacagacaag	aagctagaaa	gagtggaaag	120
agcagcagtc	ttgcaaggaa	gcagggcaga	gacacagccc	atggcccctc	actgccttgc	180
tggaagggtc	gatggagctc	cccgcacatg	gttctctgct	gggtgacaga	ggctcctgtg	240
gccactttag	aagtgcggtt	tactcctcat	gccgagatgg	accttgggca	gctcagttca	300
caagatgttg	gtcaggcgtc	atttaaatat	tttcagttag	cagaggaagc	aaagegtgcc	360
attgaggttt	gtgctgtcag	cggatcctcg	gtctgtgtac	cgcgggaagc	tttgccagga	420
cgcctttttc	tactttactg	tagacatagc	gcattgtcact	tgctggtttg	gtgatggctt	480

tgacagagtg	ctgaggatca	agccggcttc	tgagcctgtt	catatgactg	gccctgtggg	540
gtccttggtg	tctctggggg	cttaaggagc	ctcctcatgt	ctttaangta	gcatcattga	600
tctttggatg	tggtcttttg	atcttctgaa	caagctaata	ttgtgtcaaa	gaaccaccac	660
tttgtgatct	catnggcttt	gattgatttg	ggcttgttca	aaatggttat	ttgaaaaaac	720
gtntacnttt	aataaaactt	ancaaagaga	ttntaaaatc	ccganaaaa		769

<210> 4988

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (795)

<223> n = A,T,C or G

<400> 4988

ttgtacntct	tttttnaaac	ccntngctac	ttgttctctt	tgcanggatc	cctcgattcg	60
ggaatctcct	agaaagttgt	gatttttcgag	ccatatacctt	ctgtggtaga	tcctaattgat	120
cctcagatgt	tgcccttcaa	ccccaggaaa	aagaactatg	atcgagtaat	gaaagcactg	180
gatagcataa	cttctatcag	agaaatgaca	caagcaccat	atctggaaat	caagaagcaa	240
atggataaac	aggacccctt	tgctcatccc	ttactgcaat	gggttatatc	aagtaataga	300
tcacatatgt	tgaaaactgc	agttaacagg	caattgaagt	ttatgcatac	tccacatcag	360
ttccttcttc	tcagcagtc	accagccaaa	gaatccaatt	ttagagctgc	taaaaaactc	420
tttgaagca	cctttgcatt	tcattggctca	cacattgaaa	actggcactc	ctcctganga	480
atggtctggt	ngttgcttct	aatacacgat	tgacagctnca	tggngcaatg	tatggaagtg	540
gaatctatct	tagtccaatg	tcaagcntat	cattttgntt	actcagggat	gaaccangaa	600
acagaaaggt	ntcagcccag	gacgagccac	cttcaagcng	ttaanaagcc	agcaattaca	660
ttcacagtcn	ccaggaaana	aaaggncagn	cctatcccc	ctttncctgg	caaaaggccc	720
gtnaacctta	aanaaactgc	ctttagccct	ttatnntgga	aagtggattc	ncncttnatt	780
cttggacccc	tgncn					795

<210> 4989

<211> 737

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (737)

<223> n = A,T,C or G

<400> 4989

ggaatngctt	ncnnnngctc	ttgtgcnnga	tccentatnn	nnngcgccac	cgtgcctggc	60
tgacatgtc	aatttgaagt	gaatggttaa	ncatccagct	agctgaaagc	atggcagacc	120
ctancagaaa	agctncagt	tgtttntgca	gctatnaagn	gaatggnttc	ctggggaaaa	180
ttgtgacttt	gnntaactgt	tggtgaaacc	agaataaatt	atatttcact	tgcatatgca	240
ttaaattatta	aaattttcag	aagtcagtga	tacagaagta	ctatnttgca	atgtnaatct	300
gcttgagtct	ttggagaaag	tggtttcatt	gtangtacat	agngcactgn	taatatttta	360
aacaagtnnt	tnactcttcc	atntaaggga	tagcatntcc	ttgtataaaa	tgactggatg	420
tgtataaagg	aattatgttg	tcattgtcct	ttaaccagct	ntantcatta	ctataatctg	480
atatttatga	tanttcnggn	nngtgacagg	accatatgaa	aatntcttat	gtcancncat	540
cacttttagat	tntatnatta	tgncacattac	tggggtntta	ncctttgcta	atgtgaagcn	600
ttcttccta	ntaagtctac	attaccttnt	gctcatttan	atcatatc	acnataactt	660
tataantnat	ctnanaccnn	gcccttgcc	nttanacttt	cnncgcnc	ttaccgtaga	720
tcnngacatg	ataagaa					737

<210> 4990
 <211> 772
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(772)
 <223> n = A,T,C or G

<400> 4990
 tttcntaant gnnntnggtnc tegtctcttc tncannangc ncntgcgntn cgaattcggc 60
 acgagcccag ccctagatac tggcactact gaggaggatc gtttaaaaaat tgatgtaatt 120
 gactggttgg tatttgaccc acgcagaggg canaagcact gaaacaaggc aatgcaatta 180
 tgagaaaatt cttggcatca aaaaagcacg aagctgc aaa agaagtattt gtgaaaattc 240
 ctcaaggattc tatagcagaa atctataatc agtgcgagga acaaggaaatg gaaagtccac 300
 ttcttgctga agatgataat gctatccgag aacattttgtg catcagagct tatttggaag 360
 cccatgaaac cttaaatgag tggtttaagc atatgaattc agttccacaa aaacctgctt 420
 tgatacctca accaactttt actgagaaag tggctcatga acacaaagaa aagaaatag 480
 aaatggattt tggatatttg aaagggcatt tggatgccct aactgctgat gtgaaggaga 540
 aaatgtataa cgtcttggtg tttgttgatg ganggtggat ggtggatgtt agagaggatg 600
 ccaaagaang accattgaaa agaacacatc aaatggtctt acctgagaaa gctttgtctg 660
 cccatggtnn gttttctggt tcataccnat attgccaant actggtcaat ttcaggaatg 720
 cctacagtta ccantatggn atcctntnag cgccacanac tggacctggt nt 772

<210> 4991
 <211> 828
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(828)
 <223> n = A,T,C or G

<400> 4991
 tctatccctt nctcaatccn ttatccngnt ctttgcagga cccatcgatt cgaattcggc 60
 acgagaaagc annaaaaaag gaannacacn gntttntnc ccaaagttgt tttctagatn 120
 tgtggctnta anaaaaacaa aacacaacaa acacattgtt tttctcagaa ccaggattct 180
 ctgagaggtc agagcatctc gctgttnatt tgnrtgtgtt ttaaaatatt atgatttggc 240
 tacagaccag gcagggaaag agaccggta attggagggg gagcctcggn ggggggcang 300
 acgccccggt ttcggcacag cccggtcact cacggcctcg ctctcgctt accccggctc 360
 ctgggctttg atggtctggt gccagtgcct gtgcccactc tgtgcctgct gggangangc 420
 ccaagctctc tgggtggcgn ccctgtgcac ctggccaggg gaaagccccg nggtctgggg 480
 cctcctccna ctgcgcncac tttgcaanaa taaactctcn cctgggggtt nnctatcttt 540
 ggnnctctna ccctggtnaa gaaacgcaa ngtygttccc naaacgnctn tncttgcaag 600
 aacaaaagta ccccttgcn acccttctcn atgggcntca acgaatntaa gggaggggnc 660
 cccccaagge cccttttctt gnggttngnc cngntnaant nntttgggnc cngcnttttc 720
 cnaaacntnt ttatnngngt nccaancccc ttaangccan ngttccngn ggggaacaac 780
 caannggccc ctcaagcccc aanngcccc ttnccggggg ccccccnt 828

<210> 4992
 <211> 1499
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1499)
 <223> n = A,T,C or G

<400> 4992

cancncanca	ccanacacac	antcncnctt	tttcactttt	tttttcccca	anaaacccgan	60
cncgtttccc	ccacngtctc	aaccnctac	acncngcgcn	anncgcnaca	caccccgnc	120
aancanccnn	ncntncnaca	cncncaacta	cactncatac	actcncctacn	ctacncacnc	180
acatacaaca	acaccacaca	tcncntaac	acacanacac	caccaccaaa	tcnnancccn	240
ccnannnnca	acannnccat	ncanacacnn	acaccacacn	ccancacca	cctctnnan	300
ccacacccct	atctcncna	cacnaccaca	ccaccccgca	aacnnncgcc	ccantcncan	360
tnccnncac	anacacacac	acancctcac	caccnacacc	canacacanc	ccccnacnc	420
caccacccac	cnnccnccc	nnccnccaac	actacaccaa	cncnnnatc	aancncacna	480
ccanccanac	cnnacccnc	cctcnacccc	ncaccnnanc	acctcacacc	cccacccanc	540
nccacnacc	caanccacc	cccacannnc	ttntnanana	acanccaatn	ccccacccc	600
ncancannca	ccacnacacc	ccccccccc	aanccacncn	caccccccac	ccncacccct	660
anncnacnnc	cnccccacna	acaaccncac	cnacaccnca	ccntcccccc	catctcntna	720
cncccccgcc	tcacccnaac	ccacatctnc	tcccacant	ccaacacncc	ncnanacacn	780
nncacacnca	caaacccctc	tctcncacnc	tacantcann	cacatacaca	nnatcantc	840
nctnntncnc	ccaactncnc	actaacctng	cancncacnc	tcncnctcct	caccantcgc	900
acnccacac	ccctacccat	actcncntcc	ntntacac	atnancacac	cacacnntnc	960
accacnncn	acnnancncn	cnntacancn	cncancacca	cacctnacgc	acaccctnat	1020
ccacancag	accacacncc	cctnccacaa	accacangac	cnncccctac	acatntacca	1080
cgnccctaaca	ccaacnnact	ctctaccacg	acaatcncct	ctcaaaacac	nnnatctnta	1140
tancanccca	ncaggtcaca	cncnctnnaa	caaccncaca	tccagtcac	atnaaccaca	1200
catnccanc	antncatctc	accnntacn	actcactcca	ctacncncc	tctcncacca	1260
cncncctcc	ctatncaaca	ctcancntcn	aacactnctc	nccncntcc	cnccccacca	1320
cncntcngc	atcnncaaca	cccacctaca	ccancacnnc	accncccccc	ccnaccaca	1380
catccccan	taccatcaac	aaacacataa	gcathccact	cccaccanac	caccnatac	1440
actntacncc	tctccccaca	cncncccccn	naccatctca	ccccctcnc	cncncncn	1499

<210> 4993
 <211> 1576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1576)
 <223> n = A,T,C or G

<400> 4993

gncctccctc	ntcttncntt	tttgtttttn	gtttttccna	atcncctttt	tcngccacat	60
ttnttgnnn	nggnatcccc	atncgnnttt	cggaaatttcg	ngccaccgta	gtagtanggg	120
tngggngtn	ctgggccan	catnanggta	ntcctcntnn	tcgngntttc	ttgnnctcta	180
nagggngtgt	acnnncactn	gtctnatggg	ccntacgcaa	ttctaatacng	ttcactatgt	240
cancancatc	atgcnacnct	nnntaacttc	tgnaaaccta	cctctnccnn	ttcncange	300
cactggacnc	tcantcacct	nctnnacnac	anngnnttcc	cancncgncc	ttcttcattn	360
nnctccatnn	cactttnnn	cncntccaca	ntcntcccat	cntntccca	nccactcnc	420
cacancctnc	ntctaantct	tnatcanatn	tcactctcat	tcatnnttca	ccnactgtn	480
nancantccc	gnctctacat	gtcntancg	atnntcntnc	tncaactcat	ncannncctt	540
ngcgcttat	caaataactn	tacnnactnt	taccctactn	ntnctntcan	cntctactnt	600
ccctctctc	cttctatctc	accatacacc	tctatcngan	cntnncatcn	ctatcnncta	660
tccanacnnc	tgtnactcgc	tntcactctc	ntntnttctc	tcgcactaac	atanntcaat	720
cccancctc	ntacctgtca	ntccncagct	ctgatctctc	ncgtanaact	cctactctac	780

tacactntct	acnctntctn	tacgacacac	gncagctcac	tctccactac	tntnccctnc	840
acnctctcc	gagncntnct	ctccnnntcn	actactatct	nnaacgtcgc	ttactnacnn	900
tcnctccana	ttnagttctc	canctgtann	catctcgttt	tnacactcan	cnnnccctna	960
ctcgnactct	canactctct	cngcncatc	tcacacaatt	ccgtnnctcn	ancanacacn	1020
acnatacgt	gcttcacnct	cntcaagtan	attnccatct	nacnctatn	tcttctatan	1080
ctattnnng	ncatacncct	atcgccanct	cacactctat	nanctcnnta	cacacccagn	1140
gtcatacnc	ttctgcnagt	ntcnncntc	gacgcannnc	catctcanca	ctcananttc	1200
tcacngnacg	tacacnccna	tctctcnng	cnccanmtg	actcatnacc	tatctntcna	1260
nctctnctgt	ctcnctccn	tctctatcct	ctctacnctc	tntctcttac	gctccnccnn	1320
tcctctaaact	cntacnntca	cnctcttaca	tcttctcat	ctctctctct	atanttctta	1380
tcgntnnnta	ctnccnaccag	cntctgctat	ccttgcttgn	actccnccnc	atcgaccncc	1440
ctctcatnng	tcacatcct	cntctntnta	ctcgtcatca	ctctccnacc	ccnatatctc	1500
tnttctcctn	anancnccnc	accgcagngc	accactcann	tcnnatnct	ntannacnnt	1560
cccacntctg	accnct					1576

<210> 4994

<211> 796

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(796)

<223> n = A,T,C or G

<400> 4994

gnntnnnnnt	ttnnccctana	cngaattggtt	gggttaacgc	cctttcnna	ngnagncng	60
cgntnccaat	tcggcacgag	gccaaatgcc	ggaattcaaa	acctggcttt	taaaaagaat	120
gnntttgaac	aaggcgaatt	atatttgaga	gaaaagtgtg	aaaattcaat	tgaatcccta	180
agattattta	aaaatgatcc	tttggtcttc	aaacctggta	gtcagttttt	gtattcaact	240
tttggtata	ccctactggc	agccatagta	gagagagctt	caggatgtaa	atatttgga	300
tatatgcaga	aaatattcca	tgacttggat	atgctgacga	ctgtgcagga	agaaaacgag	360
ccagtgtttt	acaatagagc	aagattttat	gtttacaata	aaaagaaacg	tcttgtcaac	420
acaccttacg	tggtataact	ctataaatgg	gctgggtgtg	gatttctgtc	tacagtgggt	480
gaccttctga	aatttgggaa	tgtaatgctt	tatggttacc	aagttgggct	gtttaagaac	540
tcaaatgaaa	atcttttacc	tggtatactc	aaaccagaa	aatgggttat	atgtggacct	600
cagtccttaa	cacagagatg	tcttgggata	aagagggtaa	atatgcaatg	gcctgggggt	660
tttggtggaa	aaagaaccaa	accgtatggg	ttcgtgtaga	aagcaaccgg	cattatgcct	720
tcacatactg	ggaaggcca	ntgggtgcc	gtagtgtccn	gctnggccct	tccttgaana	780
actggattcn	aaagnt					796

<210> 4995

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(815)

<223> n = A,T,C or G

<400> 4995

tnnncttttc	ctaagtcttt	cctaantggc	ntgggttctn	gttctttctn	caagtatccc	60
ntgcgntncc	tataatctgg	gggtacagag	caaggaaagaa	gtactttgac	tttgaggaga	120
ttctggcctt	tgtcaaccac	cactgggagc	tcctgcagct	tggaagctc	accagacccc	180
cagtgcagaga	tcgaggacca	catctcctca	acgctctgaa	cagttataaa	agccggttcc	240

tctgcggcaa	ggagatcaag	aagaagaagt	gcatcttccg	cctgcgcac	cgcgtccac	300
ccaacccgcc	agggaaagctg	ctgcctgaca	aaggactgct	gccaaatgag	aacagcgct	360
cctctgagct	gcgtaagaga	ggaaagagca	agcctggtt	gttgccctcac	gaattccagc	420
agcagaaaag	gcgagtttat	agaagaaaaa	gatcaaagt	tttgctggaa	gatgctattc	480
tccgagcttc	gcaatgccgc	taaggacnac	aagaagaaga	angacgctgg	aaagtcggcc	540
aagaaagaca	aaagaccag	tgaacaaatc	ccggggcaag	gccaaaaaga	agaagtggtc	600
caaggcaca	gttcgggaca	agctcaatac	ttaatctttg	tttgacaaag	ctccctatga	660
taaactctgt	aanggaagt	cccaactttt	aaaccttata	accccanct	tgtggnctc	720
ttgagaagac	ttggaaagat	tccnagggtt	cccttggggc	agggggccagc	ccctttaagg	780
agcttccttt	aattaaagga	ccttattcaa	aaccg			815

<210> 4996

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (753)

<223> n = A,T,C or G

<400> 4996

tnnnncnttg	acggatcttn	gcagnactna	acggcaantt	ccctcttttt	gcaggatccc	60
atcgattcga	attcggcacg	aggagtaagg	gcaggggcct	aanaaacagn	ttttgttggg	120
tcttgaggca	aaaaaagaag	aaaatcttgc	tgattggtat	tctcaggtca	tcacaaagtc	180
agaaatgatt	gaataccatg	acataagtgg	ctgttatatt	cttcgtccct	gggcctatgc	240
catttgggaa	gccatcaagg	acttttttga	tgctgagatc	aagaaacttg	gtgttgaaaa	300
ctgctacttc	cccatgtttg	tgtctcaaag	tgcattagag	aaagagaaga	ctcatgntgc	360
tgactttgcc	ccanagggtg	cttgggntac	nagatctggc	aaaaccgagc	tggcanaacc	420
aattgccatt	cgtcctacta	gtgaaacagt	aatgtatcct	gcatacgcaa	aatgggtaca	480
gtcacacaga	gacctgcccc	tcaagctcaa	ncagtgggtgc	aatgtggngc	cgttgggaat	540
caagcatcct	cagncctttcc	tacgtactcg	ggaatttctt	tggcagggaag	ggcacanngc	600
ttttgctacc	atggaaaagc	aacggaaaag	gcttgcana	cttgacttaa	atgctcagga	660
tatgaagaac	tccggcaatn	cngnngtnaa	ggaagaagac	ggaaangaaa	aattcaggan	720
gagacttnca	ctccatagaa	gctttattct	gcc			753

<210> 4997

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (711)

<223> n = A,T,C or G

<400> 4997

tggtttanat	cnngctcttg	ttctttttgc	aggatccctc	gnttcgaaaa	attttatgga	60
cttctatgga	tatttcttga	tgcttagaga	tttgtttttt	taattgcaaa	tgtgaattgt	120
ctattttaca	atgctattac	atatggagcg	ggcctgtggg	gtatggcact	attccttgga	180
ctaattggtac	ccaggttcca	ttctctgctc	agctcggtgg	ctctagacaa	agccctaaa	240
atgctgtctg	cttcagtctc	cttaatggtg	aagtggaaat	gaatacctac	tgtcacttaa	300
ctcatggaga	tgtctggactg	ataattagat	catgtaagag	cactttgagc	tgtattgaaa	360
aatatgttgt	ctcaaattaa	gtagagtcta	tggttttcta	aatataaata	tattgccaga	420
aaatacatca	ctggggggagc	aaaacatgta	gaccaaata	aacagggatt	agtaacatca	480
gtaaacaatag	ttgggaaaaag	atggcactaa	agaaagccaa	gaagaaagtg	ttgctcttgt	540

aaaccaaann	aaaaaaaaaa	aaactcgagc	ctctagacta	tagtgagtcg	tattacgtag	600
atccagacat	gataagatnc	attgatgagt	ttggacaaac	cacacctaga	aatgcatgaa	660
aaaaaatgct	ttattnggga	aatttgggat	gctatngctt	tatttgnacc	c	711

<210> 4998
 <211> 786
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(786)
 <223> n = A,T,C or G

<400> 4998						
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atgtcanaca	cgccaccta	ggcagcattt	acaagcaaga	nttttctgct	nttttgatgt	120
atatcttaag	cgccccagt	gaatgaacag	catataactc	cacataaaaa	tcattaaatg	180
taattgactt	ccagagcagg	cagntctgtt	gtatgcctct	ggagaaggct	ggctgaattg	240
gaattggnct	gtaccttctg	cctatcatgt	acatgaggct	tttgggcaaa	gagaactttc	300
cacaaaataa	gtccaaaaat	tatagatcat	cagacaacca	ataacatatt	gatgagatat	360
ctccaagatc	tagaancgtc	ctgggtgtca	aggaagtctt	ttggggtttt	tacaaatatt	420
gataatgcac	tttctataaa	atgcactttt	tataaaaatg	catgctcant	tgagacaact	480
tgaaaaacac	naagaaaagg	cccgggccgt	agtggctcac	gcctgggnac	ccagcantct	540
gggagggcna	aacggggtgg	atnaccgaag	gtcangagaa	ntgagaccat	cctggcnaac	600
atggngaaaa	ccccagact	ctactnaaaa	aatacataaa	aattancang	gtgtangntg	660
ncggggcgcc	natnagnccc	antctactna	aggaggcctg	aagcaggaag	aatgggggtgg	720
acccnnggaa	nacngaacct	tgcantnaac	cgggnatccc	gnacttgga	cctatagnct	780
gggngg						786

<210> 4999
 <211> 1251
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1251)
 <223> n = A,T,C or G

<400> 4999						
acgagggggc	tncccttttt	ttttngnaaa	aaaaaacccc	ccnttttttt	ggggggggna	60
aagnttgggg	gggttttttc	cnaaaaannc	ccntttttgg	gcanaaaaaa	nnccccnnnc	120
nnaccennna	ccannnnnca	nannnnnggg	gncncncgn	nnnacancn	cgccacnan	180
cnananeng	gngtggtca	cannannacg	gnngggggnt	cnccanccac	nnngggtnt	240
ctatcncggg	gngcgggggg	ccncnggggn	nncgngnatc	accntggggg	ggncncncac	300
ccgggggggn	ncnccnngcn	gngccaccca	taggggggnc	anaatggngg	ccccnnncgn	360
nncacancca	aggnggcaca	cntancccn	annacaccnc	ccacacctnc	tncnanaacc	420
nannnacana	ncnnccnacc	naacncnacc	cancanccac	ccccaccnnc	ncnncncccc	480
acnacncaac	ccctccannc	accncccnan	aacaaannnc	ccccnacant	cnnncccnnc	540
nnnaacncnc	nancccnac	aancccccatt	nnacnnaac	ncncanncna	ctaanacnct	600
nnccacnnna	canaaaactnt	nnacncancc	acncnaccnc	cccncaaccc	cacccccaac	660
nanacncncc	tccccatc	cacaacacnt	nccanctnac	ccctnaaaan	anancaaaac	720
tanaaaancca	cnccaccnca	acccaccaac	acnnctaann	ccaccaacan	aaaccnccac	780
cacanacnac	cncataccan	cnnnacacna	tcaccnnacn	acaccanacc	cntactncac	840
cnntcnatct	cnnnncatnc	nctanacna	cacnnnaacc	tcacacacnn	cataccccan	900

cannacacan	tctatacanc	nntcaacna	ccncacatc	ctattactnn	acancacncc	960
natnctcnaa	nnnncncaca	anacnncacc	aacacncaac	catctcacat	ctncacncna	1020
acnacancan	tctcncccaa	cacaaatcnn	cncnnaacnc	tcncnancn	tacancatac	1080
acacnnacta	caacgcncca	ccccnctctc	ncaacacnca	cnntcatnna	cncacntcen	1140
anacnctnnc	acaactaaca	tnccacnann	acacacnana	nacacaccca	nnncaccann	1200
acaccnaacc	ntcacaccac	nactactnnc	aanctnnncn	cacatnncnc	c	1251

<210> 5000

<211> 787

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (787)

<223> n = A,T,C or G

<400> 5000

gnttttctta	ggnatnnctt	tggcacttnc	tctttttgca	ggatcccatc	gattcgaatt	60
cgggcacgagt	cgagtttttt	tttttttttt	ttcacttttt	aatacacttc	aatggttttt	120
aatatattca	cagttgtaca	actatcacta	gacaaaatat	ttttatctgt	atgaagtgtc	180
gtgtgtatca	tggggccaag	tcaggggaag	acaggagttt	accaggggaa	gaaatgcatt	240
ccagggaaag	agaacaaatg	tgcaaaaaga	cggaattctg	aaatgacctc	gcatttgcac	300
aatatgaaac	tgcaggggga	ggtaggctag	agtttatagt	gaggaaacaa	ttgggctagt	360
ttacaaatga	ggaatctgaa	gctcaaatac	atgaagtaac	tggcataagg	caattatctt	420
atgctaactc	aagaaaaggt	gtctaaggca	ggggtcccca	accttgggtg	catggactgg	480
gtactgtggc	ctgttaggaa	cccggctaca	cagcaggagg	tgaggagcag	gcaagcatta	540
ctgectgagc	tccacctnct	gtcanatcaa	ccgngggcat	caaattctca	tcggaacttg	600
aacccttatt	tttgaactgc	ncattgttan	ggatagggtg	cattgctccc	ttatgagaaa	660
tctaaccctaa	tggcccggtg	gaatttgang	gggaaaaaaa	atttcaatcc	ttgnaaccac	720
ccccccnaac	cttgtttggg	gggaaaaaaa	nagnctttcc	nntnnaaacc	cggncacctg	780
gggncct						787

<210> 5001

<211> 900

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (900)

<223> n = A,T,C or G

<400> 5001

nggntctttt	gnaatttcta	acacctgctc	tttctaattn	ttggaatccc	tcgattcgaa	60
ttcggcacga	ggnaanaacn	gctctggaga	aggccacgac	annncanaga	nntcaagtna	120
gaaanccacc	agnctaactn	naggattnag	nancctnnnn	ancgcnnnta	ggnncaatga	180
ggctgacctt	gaggetcttg	gnagggaaca	cttgncggca	cnnagctctt	gtgcgtnctn	240
ggtcactttg	ntentatcca	ttctctgaca	ccccagttnn	nattaancac	ccnanntnag	300
antntctgcn	nggtgcengg	cnnntnttta	cnnangccct	tctnctntnt	tcnncannat	360
ccnccnnttt	ccntnatcnt	ttggntcgga	tanannnttn	ctngnaance	nttngntttt	420
ctttanancn	tnattctnna	ncecaaaatt	tgtttttttn	gtcttcttgn	atttttcnct	480
naattgccct	ttcnatctcc	tttnatnttn	atcccttttt	ntttttccct	ngcnnntncc	540
ttcatacngt	nttccctttt	nttnntgcecn	atnttncaat	nggcncctac	ttttatcccn	600
ttnnnggctt	ttttgtccnc	ttnttttttt	tcttccnanc	tcctccctta	tttctcnacc	660
ctntataacn	tacntnatct	ttctctaaat	tncccnnttt	tcttctnttn	ttntccctnt	720

ttttttgtcc	ancntacata	cttcnntnnt	tttngganc	tcnnccatt	tntntcngnn	780
tcaatctatc	tatcccnntn	tncnnttnc	ncnttncnnt	ntcnnttcta	tntntnttct	840
nttattnncn	tntnctntta	gttnttcttt	tacntactan	ncnttttcnn	tttntnnncg	900

<210> 5002
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(734)
 <223> n = A,T,C or G

<400> 5002						
gtnnctaaat	ggcnggcctg	ctcgttncct	tctcgcagga	ncccnncgan	tcgaattcgg	60
cacgagcgcg	nnccgtccng	tacatggctc	tgtntgtcac	aannnnacgc	nntgnntgcc	120
cgttcncnat	acnatagtgn	ngctntgtcc	aaatcntgga	ctctgccctc	natgaacttg	180
tgctatccag	atgaccnngc	tacatcaactg	nttgctncnn	gtactngcan	nnnncaacgna	240
atgtggmant	gnatgganac	gntgaacctt	ttcnnactat	ngcccntnct	tntgnaatca	300
nnataaccct	gtttggnaact	nttntngggc	tntatctcct	ggctgnggtn	tgnctnacac	360
tgaccaangg	gcctgtgctg	tanatatgcn	annntmntnc	agngntncct	ngtnactntn	420
ntaaggcnna	tttnatntga	nantnatgca	cnattngccc	agtgagcnn	nagttcagng	480
nnccgannat	ggngancgcn	gtgcttancc	nagntctgtg	nnaggctatg	cccatntcaa	540
ggcntgcatg	gaactatgat	ggnnncannn	nattcnangc	ngtgtgncng	aatgagatcc	600
tngcacaagg	atatcatncn	tncagtnatg	gctgtncaac	tctggantct	angcatgttc	660
cgannntgan	gganncagat	tnantgngac	cctgactggt	gcnnngnanc	ngnacattga	720
aaaccngccg	ctgc					734

<210> 5003
 <211> 934
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(934)
 <223> n = A,T,C or G

<400> 5003						
nggnnnnttt	naaaattctt	natatacnng	tacttttcaa	atnnttggat	cccatcgatt	60
cgctggcggt	aaggctggaa	agggactccg	gaaaggccaa	gacaaaggcg	gtttcccgtc	120
cgcagagagc	cggtctgcag	ttcccagtg	gccgtattca	tcgacaccta	aaatctagga	180
cgaccagtca	tgacgtgtg	ggcgcgactg	ccgtgtgtga	cagcgagcc	atcctggagt	240
acctcaccgc	agaggtactt	gaactggcag	gaaatgcac	aaaagactta	aaggtaaagc	300
gtattacccc	tcgtcacttg	caacttgcta	ttcgtggaga	tgaanaattg	ggttctctta	360
ttaaagggtt	cnattgctgg	tggtgggggt	catttcncac	atttcccnaa	tnttttgaat	420
tggggaanaa	aaggnccccc	cnaaanantt	gtcttaaaag	gattccctgg	gatttccttg	480
ggtatcttca	aggacttctt	naaatacctc	tttaacaagc	ttgtncctaa	tggtttgggt	540
ggaattncca	nttgggacct	tggtattctt	cttgggtgna	aaaaaccacc	aaatttttgg	600
cccttttttt	gggnaaatc	cttaattttg	gaagccnaaa	tttggggaaa	agnttttaaa	660
atttaagncn	tttttcccaa	acccaaaacc	cnaaaatttt	cttggccant	ttccnaagtt	720
cntttaaanc	cntttntttt	naaaaatngg	ttnaccttgg	gggggctttt	cnaaaaggaa	780
aagccttntt	tggaanttct	tggaanantt	aattgggggg	ttttttggaa	tttggaaatt	840
ttggacctgg	gntttttttna	aaaaaacctt	gggtttnggg	aatttttaaa	attggnggaa	900
ttncncnaaa	agtttnttng	gtnaanccaa	accn			934

<210> 5004
 <211> 757
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(757)
 <223> n = A,T,C or G

<400> 5004
 tttnnnnnnccn cagcttcnng ttcttttttgc aggatcccat cgattcgaat tcggcacgag 60
 ncnnngatggn nntgaatgnc angnttatnn cagatgagac aagnganaca attgtgtccn 120
 tgtantctnt nngngncnt ngntgcnggn gaaacatnaa ctatnggcan gntaactgna 180
 cancntagac ccanngatnc nangncaggn cantantggg aaccnccant nanggntntt 240
 tttnctatgn tcacagcnnn cacangtnna gnctgangnn tnananngac nnangagana 300
 nnnccatttta atngntnatg ngaaagangg nnaanattgn ccnagagntt agctcttnac 360
 antactntag tcntgcaagg agtagccgtg ngccngatca gngaangact gagnnctcan 420
 anctaccnng cncnactgn atgngactn gcattgntnan cnaanntaac ctgngagccn 480
 ncgngcnng cctntttgtn agaagncnan tcngtnntnc acntgcccnn agntagcgt 540
 tttnngntna cngacaacac caactgggnt ggtggcctnt gtcnganttn gaananangc 600
 nntnacntgc nngctcntta ntgaaggatt ggatactgan anntacactc cngacntttg 660
 cnaaaatgga aaannantgg tctctnggan ggnaactntt nnacngngan ctgttctant 720
 aaaatannac gtggatgaaa agcttactgg ncacngt 757

<210> 5005
 <211> 757
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(757)
 <223> n = A,T,C or G

<400> 5005
 tttnnnnnnccn cagcttcnng ttcttttttgc aggatcccat cgattcgaat tcggcacgag 60
 ncnnngatggn nntgaatgnc angnttatnn cagatgagac aagnganaca attgtgtccn 120
 tgtantctnt nngngncnt ngntgcnggn gaaacatnaa ctatnggcan gntaactgna 180
 cancntagac ccanngatnc nangncaggn cantantggg aaccnccant nanggntntt 240
 tttnctatgn tcacagcnnn cacangtnna gnctgangnn tnananngac nnangagana 300
 nnnccatttta atngntnatg ngaaagangg nnaanattgn ccnagagntt agctcttnac 360
 antactntag tcntgcaagg agtagccgtg ngccngatca gngaangact gagnnctcan 420
 anctaccnng cncnactgn atgngactn gcattgntnan cnaanntaac ctgngagccn 480
 ncgngcnng cctntttgtn agaagncnan tcngtnntnc acntgcccnn agntagcgt 540
 tttnngntna cngacaacac caactgggnt ggtggcctnt gtcnganttn gaananangc 600
 nntnacntgc nngctcntta ntgaaggatt ggatactgan anntacactc cngacntttg 660
 cnaaaatgga aaannantgg tctctnggan ggnaactntt nnacngngan ctgttctant 720
 aaaatannac gtggatgaaa agcttactgg ncacngt 757

<210> 5006
 <211> 779
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature
 <222> (1) ... (779)
 <223> n = A,T,C or G

<400> 5006

```

nttngaaatt ccatatagna ntgaacggga antccccctt ntgcaggcag cccatcgatn    60
cgaattcggc acgagaagan gtttgattct ttagataacn cttttnangt gctataaagg    120
gcctagttta aaaggaactt cttttgaaaa gcaattaaca gttgataaag ggtaaataa    180
aaattatcta gtaaggaatt tcttattgga atgtaaactg gggtctaatt ttaaatagac    240
agtgatataa agaataaaaa gtaaacagtg aaattgagtt ctccaggga aaggcagacc    300
tgttttagtaa aaaaaggatg cttttttcag tgatgtcttt ttttgagtgc atatgtgtgt    360
gactcttgaa gaaatccatg ttcagattta tcagatgatt gaagtgggtg ttctgaataa    420
agaaagctgt gaggcctgag gcagtgaccg tatcaggaaa catattttat tggagatttg    480
gaagctatag taaaacataa tggcaataag ccaacttccc agtggttaa acacagnngt    540
ggnttagttc taacctcttg atgaccgagg aggnataataa ttggatattg cagagcagca    600
aatatgtaac cngngngtaa tctcanggcc ncangntaan cagnttccag ncagaagccn    660
tagaagaaac ccctgaccaa aatttagctt accccggacc tangctgccc gcntatgngg    720
gncngggggt cntcnggggt taaaagaaac ctaataactg nccacaanac cnttgaccg    779

```

<210> 5007
 <211> 820
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (820)
 <223> n = A,T,C or G

<400> 5007

```

ctgnnncnng ccgatccang tagaactcat gggaactccc gcagganccc agggngncca    60
acngggnncg agnaccgcg agagaagggn ggggttaact acacactttt naaccntgct    120
taacanaagt attatatang nacagtttca tacaggaatt acctcaaaag ggagtctnat    180
gangagcaac tacagatagn tgcaagggat catacagaag atatcgatga taggtgaaan    240
atgcttagaa ggggtgtgaa tgtctagcng ngacnaccat gtgtatgtat ccttgacaag    300
cagtataaaa taccngtgan gtnttcttta cattacggga taangcataa ggaatcaatc    360
nccatatana ctatcanccc taatgnagca aggggaagta tntaattgcc catgatatgt    420
annttactna tactatgcca gagaggaaac tataaagtaa ttacacangt aaacttgggt    480
ntttcacana cgnaggattt cattnngagt acggtgaaga agaaaaanga atatcnaaat    540
gaactgaanc cngatgggan agtatcaaca agtntntaaa agcccaggat tctaaaaaac    600
aataaagggg cacgggcant ttttgagtn ngnacancct tatgccnant ggcnaanaat    660
nccaaaaatn aaaagcggn accattgggg aaccccggtt ggaccntaaa nggcnaanta    720
aatnggggaa ccagcnantn gangaatgan ggaaccaaag gggggttagg caaataagcc    780
aaaaccccca anaaaaant nnnnggncca aaannncccg    820

```

<210> 5008
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (752)
 <223> n = A,T,C or G

<400> 5008

```

agagnnnnnn ttttattctt tgnnctctaa nagcttggct actngttctt tttgcaggat      60
cccatgcatg tgcgaattcgg cagcaggcca ccttctaagc aagtgatggc ctggctgggt      120
cagtaccctt tgcaccctgc tttttaaatc ttattctgca cactttttca tatctattca      180
tatgattaga catcatcatt ttaatggctt catggcattc cattttatgg gtatattata      240
aagagactaa tacagaatta tggttcctac aatacatgat ttttaaagtt taaaagcta      300
actgggggta catgccctca ggacaagaca cataaacaca ttttgtngac aaaaaanaaa      360
aannaaaaaa aactcgagcc tctagaacta tagtgagtcg tattacgtag atccagacnt      420
gataagatac attgatgagt ttggacaaac cacaactaga atgcagtga aaaaatgctt      480
tatttgtgaa atttgtgatg ctatngcttt atttgtaacc attataagct gcaataaaca      540
agttaacaac aacaattgca ttcattttat gttncaggtt canggggagg tgtgggagg      600
tttttaattc ggggccggcg cgccaatgca ttgggcccgg gtcccacttt tgggcccttt      660
agtganggtt aattgcncct ttggcgtaac atggncatag ctgnttctctg tggggaaaat      720
ggtatccgnt cacaaattcc acaacatacg ag                                     752

```

<210> 5009

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (809)

<223> n = A,T,C or G

<400> 5009

```

tttnnaannn ncagcgttnc cncnttnnc ctncgtgaaa ccctttggca anncccccn      60
nnnngcagga tcccatcgat tgcgaattcgg cagcagattc tctcaataat ggccagccga      120
aatttcncgc tgccaggcat ctgcctccgc ggggtcatta aactcccaca gtgggtcacc      180
cactgctgat gtacagactt tccaggcaaa gcgccatatt catcaacacc gncagtctta      240
ctgtaattat aactctggag gtcagttaga gggcaatgca gccacttcct atcanaagca      300
gactgacaaa ccagccact gtgagcagtt tgtgacacct ccgcggatga ggagacagtt      360
ctcagcaccc aatctcaaaag ctggctcgaga aaccacagtg tanaatcaag tnactggaca      420
aacttgaaat catggtggaa gaaacagaca gngttagctc atgatnngat ttggtntctac      480
ctttggcctt gagttcttat tatttacatt ataaanatta actggttnta tattgntaag      540
acaaaacact ggtaaaagtn gcaacacctc cctnntgctt gtataccata aatgggcagn      600
ctctggaaat tnatggataa agcatcaaag aaactgcnnn ngtgctgaaa acgtttctnn      660
cttnttttag ngcctnaatt taagatactt tactttacnc ccncntngna atctgggnng      720
cangnntctc ttttanggnn tggnaaaana ncggncttcg cccctnntaa actnnagnn      780
gngtnnggat taccgcnaaa cccngacc                                     809

```

<210> 5010

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (707)

<223> n = A,T,C or G

<400> 5010

```

cnaatgctgg tngctngttc tttttgcagg atcccatcga ttccggggcta gcctgcacgc      60
acgccaagat ggagctccag gctagcccac agaacagccc agccgcagcc gtcctaccag      120
accagcacct tgtaaccaca gtctaaccac gcggggacca ggcggtgaga cctcctgccg      180
ctgcagcccc aggatagccc ccttgccctt tgcccaggc tcaggctacc ccttgaggcg      240
tctggaggac actaggcttg acctggggag tggcatgatg gggggcaggg tccgaggcaa      300

```

```

cggagaaggc agaagtgact tagattgtga gtgccacggg gctgaggcct gcgccgacct      360
ggctctgctgg tgctaccagg cttgaacagt cttcaaattcc actgctatta ggcaaattac      420
ctggctccccg ctgaactcca gcacctagaa ctatgtcaca ctcgtagtag gccgctgcat      480
tggttgaaca aatgattttg aaagaatgaa tgtcttcttc tgtgcctgca tttcctcaga      540
aggctgtaac aaagattaaa taggaaaatt cgtggaaaagt tcaaaaaaaaa aaannnnnct      600
aanantcatn nnannnnang agnntnaaaa aaaaaaaact cgagcctnta aancntntag      660
gagncgtatt acgtanatcc agacatgata ngatncattg atgagtt      707

```

<210> 5011

<211> 666

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(666)

<223> n = A,T,C or G

<400> 5011

```

atgtgntaac acacataggg tcaangtaaa ggggtggcga aagatctgtt atgcagatgg      60
aaaaaaagat caggggtcac tattcttgta tcagataaaa cagacttttt aaatcaacaa      120
cagtagaaaa aggactaggg cattacataa tgaagaaggg ttcaattcaa caagatttat      180
cctatacaca cccaagattg gagcactcag atttctaaaa ctattatttc tagacctagg      240
aaaagaatta aacggccaca taataatagt gggggacttc aacacctcac tgacagtgtt      300
agatagatca tcaaggcaga aaactaacaa attctgaact taaattnaac agttgactaa      360
ttgaacctaa tagacatcta cagaatactc caccaccaa caacagaaca tacttttttc      420
tcatgtgcnc atagaaaata ctctaagatt gccacatgct ttgtcccaaa gcaaattctca      480
gttaantcaa aaaaagattg aaatcatacc cangcttttc agactcctcc atagtaaaaa      540
attggaaatt caacaccaag agnaaaactnt caaaaacatg ggaaacttaa acaacttgct      600
cctggatgac cttttggggg aattgttaaa atanggcata catnaacccc ttnttgaaac      660
aatgg

```

<210> 5012

<211> 802

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(802)

<223> n = A,T,C or G

<400> 5012

```

ttcgtnttcc cngtagaact tncngcaaaa tcccgtancn gcangagccn atacgatccg      60
ggnccgntga acnaactaga ctacgcngcg ngcnggcctg tttnaaanan tggccagnnc      120
ttcttnagnc ntagctcaa aacctgtgag natcanacat canaaatgng ngaaanntan      180
agccnntnga anacaacatn ngngacaacc nactanacaa nactatgggg ancagcttnt      240
ccatgtgang catagccang atccataacg anaangaaac cngaaccng gncnntcnca      300
anatgnaana cncntgcntt gctgcaatgc ccngcaaagn cgatgaaana acngggctac      360
atacngcgag gaaggactat gcaactgctn ggaggacta ntgactnnaa nctgngatct      420
nnnnggnact nagaacngaa mnctnnaaag gnnagacagn caanttnaaa acngnnaaan      480
gnacngcntt cgacaacaag gntatncnga tntcatctga acacnggaag ggaaacnnan      540
aaccttanac gagnatnngg atngaannng gacnntanta nnaacgcacc ctttaagaac      600
agcttgantc cacncnngaa ccngccatnt ttaaccccag ccttgggcac caccagcaaa      660
cgacaccagt ctancaaagn ctanangcnnn naananatna gcncccagcc cngaaacgct      720
ngggccngga atatncaagg aaaccagaac tcttaaaacg gtttcccagn nggggaattt      780

```

taaaaaaggg gccaacccct cc

802

<210> 5013
 <211> 874
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(874)
 <223> n = A,T,C or G

<400> 5013
 agcgggnttt taaaccctta tnnatnnc tnnгааacna aatcgcncta aaagggngg 60
 gggcgcgagc cctnnccac cccattncca aangaggnt cantggggtg nggcccngca 120
 ccattatccn ncccattcg naccnntaaa ncgctctatc aantacaana ncatgacctc 180
 cncnctatct ntctnctacn cttctnana cantattnan tccacttgat ttttttttc 240
 ttaanactan ttatattact gctnctcggn gntgcntac cnttnccatg ctaaggctgg 300
 nacancagn cctngnncna tacctgnaa tccnccagga nancnanc ctnngnancg 360
 gaggncccgc annncccn atgcnnatag antagttna nggactnnag ntncnatcaa 420
 caactnnctn gngngcagn cctnnctncc ttnnccagc cctnnanct acgggganct 480
 gnatnatcn ctnntcata tgnaatccn tntnnctcg gtntggngca caaacgannn 540
 nntactagga antcttctn natagnccnt aanannaca ngaatgggat taanactta 600
 nccccttngg ctccangna gaacancnc ataccnntn gggnttngn ntaanaantg 660
 tctnannng gggnantaac taangnacc cctantnct nntcgatccc cctanaagaa 720
 ntnttctnt atctttctct ccaagtacag ancnctagn naaaggntcc catntctatg 780
 ngncntnctn ttganaacn tnnctgngg acccactttg nctnngaang gncatnccat 840
 ntnaanctta accatnngnt tattgnnctc gcc 874

<210> 5014
 <211> 782
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(782)
 <223> n = A,T,C or G

<400> 5014
 agttcatcct ttcnaatngc ttggctactt gttctttttg caggatccca tcgattcgaa 60
 ttcggcacga ggtttttttt tttttttttt ttatagggat cactttttatt tcaaacaatt 120
 aaatacaaac caatatttta ccccttcata gatgaaatca catcttttca ggatatgagt 180
 ataaagtaac aagcctaggg cagagcttgt actgacaaag tcctgaaact acaatgagag 240
 gaaacacatt gctctacttc gggataagtc atgaccgaga ctcaatttca gagacgctct 300
 atgaacagag gtgcttgaag ccacagtggc agaagggaaa gatggggaag tgtgccgaag 360
 agcctccagg catgacagac agtcccctga ccaagcacaa gtaacaggcc ctttgggtct 420
 ctgcttctca ctggaaaatg atgaagccta natctgatga ctctagtgc caacatttaa 480
 caaagtctga aagttatgca ggacttcaca catgtacgga atggctgtat cacagaatat 540
 tatgccgtta gaaagttcac gncactatt acctagcttc taaaattttt cagaagaac 600
 agcagactga ttaagtggaa tcttaaatta aagggttan cattttaatg gaaataaatg 660
 gaaaccagag caggggaacc caaagagccc anttagggga aagaatcctg aaaaaagtnt 720
 ggnnttacac cangnancag cntttgaaag aaaaaccct nttggatttt tttcccanaa 780
 na

<210> 5015

<211> 785
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(785)
 <223> n = A,T,C or G

<400> 5015
 gccccccnnn nnnnnnnnttt tcaaanncn tttnnnnnnnn nngnnnnnttt tannnnnttn 60
 ttannnnaca gctcttggtc tttttgcagg atccctcgat tcgattcggc acgagctacc 120
 ttgggctggc cctctatnat gctntgaggg gagctgggac agatgatcnt nccctcntca 180
 gngtcatggn tnccangngt ganttnatc tgccnnacat ngtgacggag tttaggaaga 240
 atgntgccnc ctctntttat tccatgatta aggganatcc atnnggggac tataagaaaa 300
 gcnnntttnc tgctntgngg ncaanangan tnacnngncc cgggnnanag ctcctatgct 360
 gtntgcctgc accacccctt gccttccttc ataccttcc ntggatatgn atgccagggc 420
 ttnnacatt gcctnattna tactnacntg ctnatgacca anacatncac gtgataacac 480
 aaacantggg tgcttgnttc tgatcnctag agnganctn ttggnnngnt ggagnactna 540
 antnttctna gtgtnacttn agttcaatgc ctggccatnt gcnatnacct tatatcntnc 600
 aaagaggcta ctgtgctttt ancctttttt aaaacctcca tctgtattac attgnnaacc 660
 angtttcttt aatnaggagc ttgacctcta nantgggaac tcttgggaat ggncttagtg 720
 aagtgcgna ctaacttaac ctgaaaatta tnatgmnctg ttnnacctat catgttnata 780
 actnt 785

<210> 5016
 <211> 785
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(785)
 <223> n = A,T,C or G

<400> 5016
 gccccccnnn nnnnnnnnttt tcaaanncn tttnnnnnnnn nngnnnnnttt tannnnnttn 60
 ttannnnaca gctcttggtc tttttgcagg atccctcgat tcgattcggc acgagctacc 120
 ttgggctggc cctctatnat gctntgaggg gagctgggac agatgatcnt nccctcntca 180
 gngtcatggn tnccangngt ganttnatc tgccnnacat ngtgacggag tttaggaaga 240
 atgntgccnc ctctntttat tccatgatta aggganatcc atnnggggac tataagaaaa 300
 gcnnntttnc tgctntgngg ncaanangan tnacnngncc cgggnnanag ctcctatgct 360
 gtntgcctgc accacccctt gccttccttc ataccttcc ntggatatgn atgccagggc 420
 ttnnacatt gcctnattna tactnacntg ctnatgacca anacatncac gtgataacac 480
 aaacantggg tgcttgnttc tgatcnctag agnganctn ttggnnngnt ggagnactna 540
 antnttctna gtgtnacttn agttcaatgc ctggccatnt gcnatnacct tatatcntnc 600
 aaagaggcta ctgtgctttt ancctttttt aaaacctcca tctgtattac attgnnaacc 660
 angtttcttt aatnaggagc ttgacctcta nantgggaac tcttgggaat ggncttagtg 720
 aagtgcgna ctaacttaac ctgaaaatta tnatgmnctg ttnnacctat catgttnata 780
 actnt 785

<210> 5017
 <211> 1425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1425)
 <223> n = A,T,C or G

<400> 5017

cntnttaaaa	aaatattgaa	ggcctntggt	gggaaccctt	tnggggggnac	ccttgganca	60
tttttgggng	nncccnctt	naaaacnadc	aagaaaaata	atgggggggt	cttttngggg	120
ggnnncnenn	nnncannan	ccnatnnann	nnnnnannct	nnnnnnnnnn	atntnacata	180
nanncncnc	aanancnca	ccncttnncn	tnncnncctc	nnnnnnnnnt	nnacnncnac	240
ntnnnaannc	acnannnnna	ntnnnnncna	ccnatnccn	atnccnncnn	ncannnanc	300
ancnancnnc	tnntanann	nnnatncccc	nnnnntnta	nnctctccta	ctccatncna	360
cntncccnac	cnntccatct	naaacnannc	nnantnanct	ncnannctc	ncnncaaann	420
naatnnnnnc	cctccacaca	cantnnancc	tctacnnant	ccacnccann	cccnnctca	480
ncnccncaca	anncnntcc	nacnccnnct	cannacntta	acannacnaa	cccncctatn	540
accanaccnc	ccccannct	ncncctnnc	tnncnancan	cannnnncnc	ccnactnnnc	600
ncnactcna	accannann	tnntatnct	cnccnnnann	nnnncaaanc	nannnacncc	660
ncnnnctcat	ccannntnnc	cnncnann	tctnnnnnc	ctcaccann	acncccnncn	720
acanactatc	tctatacnca	ccnncctnnn	nnnnnnnnnn	nnccancnca	nacanncnnc	780
actcctnnn	tannnaaccc	cnncnann	nnctnctnn	accanacnnc	cnccnnnaca	840
ntantacna	ncnnnccn	nanancnnc	nnnnctacnn	nnnnntntat	cnantnctct	900
nnctnnatnn	cnctctcna	nnnnnnccn	aacnnnnac	ccnnancnct	atacnantnn	960
nnactnnann	ncatnancan	anannnnct	atannacaca	cnntanacta	cnctacnctn	1020
cannnactnt	cnncannanc	tnncancana	nacnnnnnc	nnnnntcann	cnnnnanatc	1080
netcancann	ancnctnnc	ntncanann	tacnnnnct	nnnnanatt	cactcncnnc	1140
nnatcactcn	cnnnnnctn	nnnccann	nnncnnnc	anactcnnta	cnntatactn	1200
ctncccttan	tnnnantct	ancnnnnct	tcnnctntct	netcancnnc	cnccactct	1260
atacnnctn	atntnncann	tnnnannnc	ctcctctncc	ctcnacctnc	ntccacancn	1320
cncacntcnn	nataccnnc	cnantccatc	nacacnatca	ctctncacnc	acnctntcna	1380
ctactantnc	tcctnaacta	canaccanc	ncnntnnc	ancct		1425

<210> 5018
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(794)
 <223> n = A,T,C or G

<400> 5018

ggccccnnnn	nttttttttt	ttaaaannnc	cccctttaan	aacnnggaaa	aaaaaccnnc	60
cttttttttg	ggccctnaac	ctttnggccc	ttcctttttt	tttgggccc	gggggnaatc	120
ccccnattc	ccggnatttt	cccgaaaat	ttncggggg	ccaaccggaa	ggcccagggg	180
ggaacctggg	aatgggaagg	gggtnccttt	taaacaaaa	aaaaactntt	gttgggtngg	240
gnccannnna	nnnananana	nanannnnnn	nnaaaaatcc	cttaaaaaaa	acaaaaaacc	300
aaaaccanaa	aaaaaaaaac	caaatttctt	tcatttccan	aaaaaaaaatt	attctttang	360
gggacctgga	atattgggta	aattatgggt	caaantntaa	taatatattt	gggcattcct	420
tacattgctt	gcaagataaa	atgctgtgcc	aaaatttgat	tttatttgga	gacttcttat	480
caaaagtatg	tgcaaaggaa	gctaggatag	agtgtccatc	cttggtgagt	gnttctaaaa	540
tnntttctga	tgcatatttt	acttggtggg	gagagatgnc	cagctcctct	gtcttgaata	600
acttattgct	tgatnccata	ctttgtagaa	tggtcttcgg	aaaatagaaa	tcntatagt	660
nagataatga	taatttctt	attatattga	ctgcaatgca	ataaaatctt	tgntaaaaaa	720
aaaaaaactc	gacctaaact	agtgagcgtc	nanancgctg	aagacattgt	gagtggcacc	780
cactgatgng	gaan					794

<210> 5019
 <211> 957
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(957)
 <223> n = A,T,C or G

<400> 5019
 gtnattctan tnnancnctt tcacnnaccn ggtacccac cggggtggaa aatcgatggg 60
 cccgcggccn ctctagaagn cntnngtgng tcacangntt ntccccctat ggccctcacia 120
 agtgctnnna ttatacgcgt naatccantg ngnttggcct anagtnnnag tanncatgat 180
 ttngcnntg ttnnngtcct ggnttccaaa ngnagnggac ctagctgntn atcaattntt 240
 ntgagctaaa ctgnntagnt ccannncctn ntgatantct ccntnnanna tgcaggtatn 300
 actagattaa ctnggnaacn nacanggatc anatnactn ataatanacn nnatnaatna 360
 nntcnacact natccnctt tngctnnata tntgnanaan caannnactg aaaacntnta 420
 ttnttaaag nnntnecgnt tnatgactca gttncnnaa gctntatnnn tattntgntg 480
 tgnnatatc caanctnncn nccnnnncnt tgtttgtnnt gctcntnncn gtttcaaana 540
 gaataanaa nctnnntnnnt nnctaagana nacattcntn agctnactat ncnntactcn 600
 atnatnattn tatgccaana ntgtagccnt ccnnatntat nnctaaaaan ttnacgncta 660
 tatannacng naccttnnca tanceggntn taanncnggt ntngatctcn catnatntcc 720
 tataaanngt gtnatatacgt tnactcccaa tcttncnta cgtgaaaacc nttntttctc 780
 attnaatnaa aaacggtgtc taaaaanncg aanntnaccc ttgctgctct tcatcgnaat 840
 ntatacnnta tcntatcgna tnttanncat agaatncntc tcttaaagng cngncaatna 900
 cnnaccntnc gncttatgnt gntngattcc ccctctntca naannccca aaanncc 957

<210> 5020
 <211> 808
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(808)
 <223> n = A,T,C or G

<400> 5020
 gtnttccttt caaatngctn ggctacttgt tctttttgca ggatcccatc gattcgngta 60
 gccgaccngc tgctgtnncn ggtgcttgnt acgaacgttg ccacnannct gagantngtn 120
 acnctaganc tgnaaacntn atngttnnct gcctgnatna ccnagnaggc tnnnatactn 180
 aagatngcaa tncctganna ncctgcntna tgtncnnng tctctnanta ccagannntt 240
 gannnnnttac tggnttatta gatggctatt atctctaaat tcnggatgcc tacctggctt 300
 ataacctnaa ngaattnact ggagnactcn tntatgatnt tctgcccacc tgtgatnnta 360
 cccatgaaca cgtnttgat actgngaaat atcgatnta ntgccatcct gcttnatgga 420
 cnttnnactn agantaagcg cntaagannc nttaataagt ttaaggccan ngccnnntnn 480
 attcttctag naactgncat tgccaangcn aggtcaggac atacctnatg tagatgatgg 540
 atggtcaact aatgacatnc ctgaccatt ccangngatc accntccatt ngaattgggt 600
 cctagccang atttgaagct tgggcgctta cggganaang ncncttactn tttgggtaan 660
 acaagttttg annngttggg naanttttta acaaacgcca tttggaacac ttttaattgg 720
 gngaataaaa ctcccccggt gtnttgggaa aacncggatt gntgaaaggg taatgaatgg 780
 gtnnccctgga acgngggtaa ntttgga 808

<210> 5021
 <211> 788

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(788)
 <223> n = A,T,C or G

<400> 5021
 ctttaannaat ncnttatcgc ttggctactc gttctttctg caggatccca tgcgattcga 60
 attcggcacg aggtactntg agtggttggg ggtnnnncac acacatgcaa ttntgcttaa 120
 caaaagtatt ntataatata gnttcataca gaattacctt aaaagggagt cttatgtttt 180
 caactacaga tagttgtaag ggatcataca gaagatattg atgatatgtg aaatattctt 240
 agaaggggtg tgtatgtcta gctgtgtcta ccatgtgtat gtattcttga cnagcagtat 300
 aaaatacctg tgatttttct ttacattagg gataatgcat aaggaattaa tcttcatata 360
 tattatcatc cctaagttag catggggaag tatttaattg cccatgatat gtattttact 420
 tatactatgc catanaggaa actataaagt gattacacat gtaatcttgg gtttttcaca 480
 tatgtaggta ttcattttga gcaagggtga aagaacanaa naaatattta aatgaattga 540
 attcctgatg ggatagtatc aataagtatt taaaancna gtattctnaa aatattcagg 600
 ggtangggtc atttttgagt ttgggnnttc ttttncgaat gggtaaataa ttcaaaattt 660
 aaanggggta caattgggtn ncctgtnggn cctnaaaggc cttttatttg gggnaaccag 720
 ccnttnngaa tnnatngaac caaggggggt ttagccaatt gccaaactcc tataanttga 780
 ttttngcc 788

<210> 5022
 <211> 704
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n = A,T,C or G

<400> 5022
 gnnctaantg nnggctatcg aactnccgna nanaacngnc ntncgaattc ggcacgagag 60
 gttgctcacc tgaaggagca caggaggggt ttccaggcca tgtggctcag cttcctcaag 120
 cacaagctgc ccctcagcct ctacaagaag gtgctgctga ttgtgcatga cgccatcctg 180
 ccgcagctgg cgcagcccac gctcatgac gacttcctca cccgcgcctg cgaccteggg 240
 ggggcccctca gcctcttggc ctggaacggg ctgttcattt tgattcacia acacaacctg 300
 gagtaccctg acttctaccg gaagctctac ggctcttgg acccctctgt ctttcacgtc 360
 aagtaccgcg cccgcttctt ccacctggct gacctcttc tgtcctcctc ccacctcccc 420
 gcctacctgg tggccgcctt cgccaagcgg ctggcccggc tggccctgac ggctccccct 480
 gaggccctgc tcatggctct gcctttcatc tgtaacctgc tgcgccggca ccctgectgc 540
 cgggtcctcg tgcaccgtcc acacggccct gagggtggac cgcacccta cgacctgga 600
 gaggaggacc cagcccagag ccgggccttg gaaaagctcc cttgtgggag cttcaggccc 660
 ttcagcgcca ctaccacctc gaggtgtcca aaagcccgca gcgn 704

<210> 5023
 <211> 729
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(729)

<223> n = A,T,C or G

<400> 5023

gnnnnnnnnn	nntttgttnc	taatngcngg	gtggctcgnn	ctttcncgca	nnagcnnngc	60
ngtgcgaat	tcggcacgag	atttcaattc	atagcaaact	ggtgttttaa	actattgcag	120
tagctggaac	tttttagtgt	aaccagcatt	tattggagaa	gtgaatcaca	aggaaataaa	180
gatgataaa	agcaaagatg	atgctcctca	cgaactggag	agccagttta	tcttacgtct	240
gcctccagaa	tatgcctcta	ctgtgagaag	ggcagtacag	tctggtcattg	tcaacctcaa	300
ggacagactg	acaattgagt	tacatcctga	tgggcgtcat	ggaatcgtca	gagtggaccg	360
tgttccattg	gcctcaaaat	tagtagacct	gccctgtgtt	atggaaagct	tgaaaaccat	420
tgataaaaa	actttttaca	agacagctga	tatctgtcag	atgcttgtat	ccacagttga	480
tgggtgatctc	tatcctcctg	tggaggagcc	agttgctagc	actgaccta	aagcaagcaa	540
gaaaaaggat	aaggacaaag	agaaaaagtt	tatctggaac	cacggaatta	ctctgcctct	600
aaagaatgtc	aggaagagaa	ggttccggaa	gacagcaaag	aagaaatata	ttgaatctcc	660
agatgttgaa	aaagaagtga	aacgattgct	gagtacagat	gctgaagctg	ttagtactcg	720
gtgggaaan						729

<210> 5024

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(706)

<223> n = A,T,C or G

<400> 5024

gtnnctaata	gnnggctant	cgttctttcc	gcagganccc	ntcgantcga	attcggcacg	60
agctctatct	tgtttattgt	tgatgccatc	ttagaggaaa	aaatgtaaag	gtaagtaatt	120
aagcatatga	cagcaacaaa	taagatactt	ataacctaata	gggactttat	tttgtagttt	180
tatgtattac	aaaaaatcca	cctttctcta	aggggaagtt	tgtaccccat	tgattcctgg	240
tgctttggg	atcgactggg	ttttaatggc	ctagttatct	gaggattttg	ctgtgttggt	300
ttccatgtct	tctctgggtca	ccttggtatta	tatataaaaa	tacaggaaat	agataaacat	360
gaatgtgatt	aataatgctg	aaaaagtatt	agcctaccaa	agacacactc	aggctttagt	420
gaataacttt	acataacctc	agtttttaac	acatgcataat	cttctccaac	catgaaatca	480
aagcacgggtg	cagaacttgt	accaagtaca	aaagggtccat	gtatgattag	cattatcttc	540
ttttgctttt	gtttatggac	aatgttcagc	tgacataaag	agaagttggc	caaaatactg	600
cctgtactgt	taatttcctg	tataattcac	ttaaataaaa	gcagggttaac	ctcaatgata	660
gcagttaaaa	tgttctatct	tatgtatttc	ttttaagtat	taccaa		706

<210> 5025

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(706)

<223> n = A,T,C or G

<400> 5025

gtnnctaata	gnnggctant	cgttctttcc	gcagganccc	ntcgantcga	attcggcacg	60
agctctatct	tgtttattgt	tgatgccatc	ttagaggaaa	aaatgtaaag	gtaagtaatt	120
aagcatatga	cagcaacaaa	taagatactt	ataacctaata	gggactttat	tttgtagttt	180
tatgtattac	aaaaaatcca	cctttctcta	aggggaagtt	tgtaccccat	tgattcctgg	240

tgccctttggg	atcgactggg	ttttaatggc	ctagttat	gaggattttg	ctgtgttgtt	300
ttccatgtct	tctctgggtca	ccttggtatta	tatataaaaa	tacaggaaat	agataaacat	360
gaatgtgatt	aataatgctg	aaaaagtatt	agcctaccaa	agacacactc	aggcttttagt	420
gaataacttt	acataacctc	agtttttaac	acatgcatat	cttctccaac	catgaaatca	480
aagcacgggtg	cagaacttgt	accaagtaca	aaagggtccat	gtatgattag	cattattttc	540
ttttgctttt	gtttatggac	aatgttcagc	tgacataagc	agaagttggc	caaaatactg	600
cctgtactgt	taatttcctg	tataattcac	ttaaataaaa	gcagggttaac	ctcaatgata	660
gcagttaaaa	tgttctatct	tatgtatttc	ttttaagtat	taccaa		706

<210> 5026

<211> 968

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(968)

<223> n = A,T,C or G

<400> 5026

gtaccaatgc	tttgcactn	gttcttttcg	caggatccca	tcgattcgaa	ttcggcacga	60
ggcggacacc	aagtctggac	cacctcccg	tgcgtttct	actcanagaa	acatcnngg	120
cggngttaan	acacggnatn	acnggaagca	nganncnng	cancagcnna	gnntgggggtc	180
ctggcnctgc	nngctangcc	aggatgncca	tcccnccctt	tanactgtcc	cttgnggcct	240
gtgctnntna	aantggtnnc	ngtnagcnct	gccngnttnc	cntattatnc	ccacnctnng	300
cttctnaatn	ctttatgntc	cntntnanan	naccttntct	tactgtancc	catcttntctn	360
tnaattnttt	ttcanggatc	tntnatattn	tnttncaaan	tcnncnatan	tnantnatta	420
ngtntnngan	ttncattcat	attaanttnn	antncattnn	netngttnan	nnttnttctt	480
tctnnnnngn	ttncnnnttc	ttataatnng	taatttantt	nnctnntatc	tacttnttan	540
ttctttcaat	cttnaatntt	ntttacatnn	netnctcatc	cgntnttacn	nntntcattn	600
ttaaactctac	ctttctcntt	ctgtnttaac	ttactnatna	tcncttccng	ttntttatat	660
ntnattcnct	ctnctcataa	anctatctnt	netctcnna	ttcttgactt	tcnctctccn	720
tctcttatat	ctctcgtctc	ctcncaatat	ntctctatcc	tctntcnttt	cacattctta	780
ttntncnate	nttcggnnntn	tctncttntt	ctctcntaca	cnttctanac	ttctatnant	840
cttcactcat	nnctnctntn	nntcnacatc	ttacnnnnng	tgcttnttan	anntttannt	900
acatanenta	ntcctcta	ctatatntca	tannactcta	ttgcttntnt	tctcnnaatc	960
acacnanc						968

<210> 5027

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(782)

<223> n = A,T,C or G

<400> 5027

gnnnttntnn	nnttttttgg	gtcttncgct	tggtcttnt	gcaggatccc	atcgattcg	60
attcggcacg	agggatca	tgagcccagg	agtttaagtc	tgtattactg	gaaaggggtc	120
ccaatccaga	tcccaaaca	gggttcttag	atctcacaca	agaaataatt	cagggagcgt	180
ctataaagtg	aaagtaagtt	tactaagaaa	gtagaagaat	aaaaaatggc	tactccacag	240
gcagagcagc	tccttggggc	tgctgggttg	cccattttta	tggtattttc	ttgattatgt	300
gctgaagaag	gggtgggtta	ttcatacctt	ccctttttta	aatcatatag	ggtaccttnc	360
tggcattgcc	atggcatttg	taaactgtca	ccgggtgctg	gtgaaaagtc	nacanttgag	420

ggccaaccca	aggncactct	nattggccat	ctttgggttt	tggtgggatt	cttaccnngn	480
ttnttttact	gcaagctggt	tttatcatca	aggncctttat	ganctgnatc	ttgggctgan	540
ctccgatctc	aatctgncat	cttaaaacgn	ctnactgtct	nggatngtaa	ccccaatagg	600
tctnaaacct	tantttaccc	caacttctat	ttcaagatgg	aatttgctct	tggtttcaaa	660
atgccctntt	gacaagcanc	cagtnaacct	nttcancata	cccacttgga	ntttcaancc	720
tggttggtgac	aaaaaccaat	taccctntt	tttaaaaaaa	aaaaaaannn	nnnnnnnaaa	780
na						782

<210> 5028

<211> 806

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(806)

<223> n = A,T,C or G

<400> 5028

gnnnntnnnn	tttttaangg	ctttggcttg	tcntcttagg	atcccatcga	ttcgaattcg	60
gcacgagtga	acttggtcat	tttgttttgn	ttgggaggaa	aataaacaat	tttacttttt	120
tccttttagg	gcattatgag	cattatgtca	gaatagaata	gaattggggg	tcgatcttaa	180
caggccagaa	atgcctgggt	ttttttgggt	tgtttttggg	tttgtttttt	tatcaaatcc	240
tgctgactg	tctgcttggt	ttgcctacca	tcgtgacatc	tncatggctg	tccaccttgt	300
cgggtagctt	atcagactga	tggtgactgg	tgaatctcat	gggacaccaa	tcnaanggct	360
gctgacattt	tggtgacttt	cantntganc	attcanatcc	aaggtctcan	ttaaaccattc	420
ccngcatcat	tgnttataat	cngaaactct	gggccttctg	tctggngggc	ttaaaagctt	480
ttggggccata	atgcaacaat	tattgaagga	ggattttatt	ggagaaatgg	gggataggcc	540
ttcatggacc	ccccaattaa	ttaaaggaaa	aactnaactg	cantgggggg	gttttgnaaa	600
aagggtattt	antaccttct	ttaaacnaat	tccttttttt	tttcanggga	cctttttcta	660
agcctggnat	tgnaaccggg	aaccnttgga	accctttctt	tttggaaaaa	aaccattttt	720
ccccnaaaaa	agggccccct	aattttttta	aaaatgggaa	tttaaccntt	tttaancccn	780
aaccnttaaa	antttttttt	ttttnn				806

<210> 5029

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(716)

<223> n = A,T,C or G

<400> 5029

tgntnttcta	atgctggnnn	ctcttgttct	ttttgcagga	tcccatcgat	tcgaattcgg	60
cacgaggggac	tcagagcctg	ggaaggaggc	cgctatgcag	ggtagcactg	ggaacaggag	120
acccacctga	ggctcagccc	tagccctcag	cccacctggg	gagtttacta	cctgggggacc	180
ccccttgccc	atgcctccag	ctacaaaaca	attcaattgc	tttttttttt	ggtccaaaat	240
aaaacctcag	ctagctctgc	caatgtcaaa	aaaaaaaaaa	aaaaaaaaact	cgaggcctct	300
agaactatag	tgagtcgtat	tacgtagatc	cagacatgat	aagatacatt	gatgagtttg	360
gacaaaccac	aactagaatg	cagtgaaaaa	aatgctttat	ttgtgaaatt	tgtgatgcta	420
ttgctttatt	tgtaaccatt	ataagctgca	ataaacaagt	taacaacaac	aattgcattc	480
attttatgtt	tcagggttcag	ggggagggtg	gggagggttt	ttaattcgcg	gccgcggcgc	540
caatgcattg	ggcccggtac	ccagcttttg	ttccctttag	tgagggttaa	ttgcgcgctt	600
ggcgtaatca	tggtcatagc	tgtttctctg	gtgaaattgg	tatccgtcac	aattccacac	660

aacatacagag ccgggagcat aaagtgtaaa gcctgggggtg cctaatagagt gancta 716

<210> 5030
 <211> 1206
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (1206)
 <223> n = A,T,C or G

<400> 5030
 nggggncgat ttttcnaaaa aatntcccn ggngaacggg gncaccttgg gggncancnc 60
 cangaaccnn ttttgcnaaa aacccnttt ggcncnaana nnaccnngn nnancgcnc 120
 accnacnca anccnncn acnccanng ganccnanac accgcncntc nntntaccan 180
 actanacnc ncntaaacna cacnaancng cacnnacanc acccacgta tggtaaccnn 240
 nccangcagc agcacancac nncnaanagc ncgccactaa cggggcgagg cnaacnagata 300
 canannnacc nagnaancnn acaacanacn ctacacnca cnaacaancn nccagntncn 360
 aancggccag acnccccann tcangnaca cncncnccac accaccaga nnagaccacn 420
 tccccnnna ccacccnaa nannnaaacn accctncatc angaaccncc caannncnnc 480
 cnacnaccc nacnncccc canncacng ncnanccnaa nagacacca cccccacacc 540
 ctncncncna anaacacntn acaccaccan ancacaacaa naacntncn ccannacncn 600
 nanannnnnc cacacnnccc nanccnctn nccaanccac accncncnnc nccnacncna 660
 ancacnccn anctncactc nacancanca cnancccaa tancacacca nccaccacca 720
 aannccactc acacncanac tatacagcng acnnnaanac cctcanancc nnnccnccnn 780
 cnacnccctc ncncaccca nancnacaga ctcanctncc agcanncacc nncgcccncn 840
 tnnctcnnnn acanacnca tnagcancnc nancngnca caccncacca ccnnacncc 900
 aatnccacc cacatccnnc cncnctcct atancaancn cccaanccga ccgactncan 960
 ctngctcagc canacatcnc gncgcncntn cnacactanc nacncncacc tnactctnac 1020
 nategcanc atcgtccnc ncnanacaa ncnannnng annatncnnc cctccacata 1080
 ccactacanc atnacngcnn cennnatcnn nacatcnacg ccaancncca cacgaaccnc 1140
 acgntaacc atcacgacna cccaccacg acnngctaag cgacnacnct atccaagcnc 1200
 tncgcc 1206

<210> 5031
 <211> 750
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (750)
 <223> n = A,T,C or G

<400> 5031
 gagnnngggnn ttngnnnagn nnnnnngggn nnttnnaaag ncagctcttg ttctttttgc 60
 aggatcccat cgattcgca gttttttttt tttttttttt tatatatact gcaattttat 120
 ttcaatcgca caaacgaagt tagcatgtag gaaacttaaa tgaaacaaat ttaaacgaaa 180
 tagttacggg aaaaatagca gaaaactgaa aattctaaaa aggaagtaca cctaaaagca 240
 tgagaattca acattcatta gtgtttcatc ttcatgtttg attgacactt gatgcttgca 300
 aatttttaaa caaactttta aatcatgatg actattctga agagatttca gcaccagcac 360
 taagatttgt acattcagtt tgtttgcaat tgacttgatg gccatttaca tagtgatag 420
 tacagacttc tcacaggtc gatcacagt ttgaggaaag cagtgccttc ctgtcattag 480
 aaaggatccc ctaaaactgtc tcagcttaag acatccaacg tacaagagca caaaaccatc 540
 ataataatgt ggttccaagg aacgtggttt tgataaggta aataacttag gcttctgttt 600

cccatttttaa	ttctgaaatc	tctaataatg	acacaactgt	catgtatgat	agcaaagtga	660
tataataatt	cattcagact	tcttggaag	aacatttagc	caatctggga	tgatgggaaa	720
tntagatga	ttcaacactg	ggtttttttt				750

<210> 5032
 <211> 820
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)... (820)
 <223> n = A,T,C or G

<400> 5032									
gtntttt	naat	ttccaactct	tgtctttg	cg	gaccctcgat	tcgaattcgg	cacgaggg	tg	60
ggctcct	ggct	tccctaaaga	taattggaag	acttcatt	gg	attgatagag	agaaactg	cg	120
taatttc	catt	ttagcatgtc	aagatgaaga	aacggggg	ga	tttgcagaca	ggccaggaga		180
taaggtat	ga	aaaggatcca	ccatatctta	tttggaatt	g	ctggattgca	cttttgggag		240
aagaacagat		taaacctgtt	aatcctgctt	ttgcatgc	ct	gaagaagtgc	ttcagagagt		300
gaatgttcag		cctgagctag	tgagctagat	tcattgaatt		gaaagttgca	tagtatagtt		360
ttgccatttt		aacattttctg	natttgaaag	tgcttatccg		aatctaaaag	tgactactgg		420
taatattttg		natattgggt	taaattaatt	ttaataaatt		atataattat	acataattgga		480
aagcctctta		gaactatagt	gagtcctgat	taccgtanaa		tccnggacat	ggattaggat		540
accattggat		gaagttttgg	accaaacc	caacctngga		atgccaatgg	aaaaaaaaat		600
ggctttt	aat	tttgnggaaa	attttgggga	aggcctattg		cctttnaatt	tggtaaacc		660
nttttt	aan	cctggccaat	ttaaacc	ca		aa	naatttggcc		720
attncaatt		tttaagggt	ttccaagg	gtccanggg		ggaaagggtt	tttgggaaag		780
ggttttttt		naaaatttcn	ccggggcccc	cnggngcccc					820

<210> 5033
 <211> 826
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)... (826)
 <223> n = A,T,C or G

<400> 5033						
nnctngnngt	tctaattgctt	ggngnnctg	ntcgttgat	nggatcntnt	cgttgccttg	60
tnnactnggc	nngacnngnn	tctgcnngc	cgttgannca	cgnnntantn	cnccaaangt	120
anatgatgtg	gtatctnatg	tcnncatcna	ngnttnga	aan	acccaaatg	ncctnacntc
gnaganaccn	tgtcnncant	nggnnatncn	caattntcc	aggcntgann	nncntgcct	240
gnncnncnag	ntacncanta	ggcctaagca	gganactnnt	ttntaccan	nangtgtagg	300
nnnnggtgac	ccnanatcnn	gctnctgnac	tcnggnctgc	gtgacatagc	tagactctgt	360
ctnanantca	agccctcaaa	gctngaacgt	nttatacana	ccctgtgtna	attcngangt	420
gaaacgctgn	tgccactagn	aaatggggat	ttgggttagc	gatnanatag	gctaaatcac	480
ntntnatac	gtgatcctng	ngtananttc	tgcccgaatn	ggtngtacgc	ntatannaan	540
atatntcntt	gtnngatanc	atcttcctac	cntananttt	ctngaaaaan	aaagtttgg	600
ttttgacnan	cactnncacn	atggnnntng	gttgggtgcc	tgcttgcttg	gtttgnaatt	660
tnnagcccn	taanaanact	tnntnngngt	netggaatan	ccgtnnnatt	cnngacatc	720
attnntagcn	tcnttgntt	naantggggg	nnannaccna	nttgttttna	attcngantn	780
aangaaaaat	gcccntnttt	nncgaaatnt	ttttgtggnc	ctttnc		826

<210> 5034
 <211> 826
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(826)
 <223> n = A,T,C or G

<400> 5034
 nnctngnngt tctaattgctt ggngnncntg ntcgctggat nggatcntnt cgttgcccttg 60
 tnnactnggc nngacnngnn tctgcncngc cgttgannca cgnnttantn cnccaaangt 120
 anatgatgtg gtatctnatg tcncnatcna ngnttngaana aaccaaagt ncctnacntc 180
 gnaganaccn tgcncnanc nggnnatncn caattnttcc aggcntgann nncctgcct 240
 gnnccnncag ntacncanta ggcctaagca gganactnnt ttntaccan nangtgtagg 300
 nnnnggtgac cmanatcnn gctnctgnac tcnggnctgc gtgacatagc tagactctgt 360
 ctananatca agccctcaaa gctngaactg nttatacana ccctgtgtna attcngangt 420
 gaaaacgtgn tgcctactgn aaatggggat ttgggttagc gatnanatag gctaaatcac 480
 nttntnatac gtgtacctng ngtananttc tgcccgaatn ggtngtacgc ntatannaan 540
 atanttcntt gttngatanc atcttctac cntananttt ctngaaaaan aaagtttggg 600
 ttttgacnan cactnncacn atggnttng gttgggtgcc tgcctgcttg gtttgnaatt 660
 tnnagcccn taanaaact tnttngngt nctggaatan ccgtnnnatt ccngacatc 720
 attntagcn tcnttgtntt naantggggg nnannaccna nttgttttna attcngantn 780
 aangaaaaat gccctntttt nncgaaatnt ttttggtgnc ctttnc 826

<210> 5035
 <211> 848
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(848)
 <223> n = A,T,C or G

<400> 5035
 gnnnnnnnan atcagctcct tgttcttttt gcaggcagga tatccnacgc taattctgca 60
 cgcacgaggc taaggttaca nnagnatgng ttnccctgat nacaggtcac tctcncaaga 120
 tgcgctnnct gcagtcagnt gcataactng tnaaannacc nganatagna ccantttat 180
 atggtatgac agtgtnnnca gtgggagcaa nggtggtcca tagcctgcct atnatatcac 240
 cnatatctgt gaacacactc atngcagant cagggncagc natctgntna atggacttgn 300
 attatgtntg naccntngct tncgtngac ncngntgag cgcactttc cttanggacc 360
 ttanggnacc nnnntnaacn tactttncan atgatggnnn ttntgtcaat cccggatngn 420
 tncacggtnn cnatggcna aagncncnac ctttatntna cacgttgaca ttactttacg 480
 acnctagtea cactnttgga ctccattgtc cacatnccctg ntntatgana acnttaaggt 540
 tttactttac aananttna ccntggcntt ncaaagtatn nncctgcng acctttcatt 600
 ngcaagggnc ctanactttt tgcattgaaa aatttttaggt aaagttgctt ttccgctttt 660
 agngcccttt ctaggggta ttaatttggg tgggntcct tncctntac tttcccttg 720
 gcccgnttt ttcncnttn nggaaanccc ccccttaat tnncccccg tgnntttnc 780
 ccccccna aaaccnggc aaaattaaag ggggggaaa attgccccct tnnnttaaag 840
 cccgaagg 848

<210> 5036
 <211> 715
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (715)

<223> n = A,T,C or G

<400> 5036

ngnnnnnttna	aanatacacgc	tgttctttttt	gcaggatccc	atcgattcga	attcggcacg	60
agggctatta	aaaatgtaat	cagtgtgaaa	attcatgccca	tctgaatcgt	acgagtatgt	120
aagggtattg	agttccttac	agaattttct	gtaatttagt	acttcaagtg	acttataaat	180
gtatatactt	ctctctcaca	aaagtgttag	gagaaggaaa	atcttaaata	ctagcttgat	240
ttcttaattt	aataacaaaa	aacaattctc	ataacatgta	tcacctaaca	tgtcactttc	300
actttaaaaag	tctaaagagt	tgaggtttat	ttcttttctt	ttaaagttga	tgtttatggt	360
ggtgatttcg	aaaagatcag	atcccccggt	atgaaggatc	ttaaccttgt	cttttagatc	420
tccatgagaa	atgcagtaca	tgtagcatta	gccatatttc	tttttttagag	gcctatgtag	480
gatatttata	acctgtaaaa	gtttgatgac	ttcatgctca	ggagaaagca	agtaattacc	540
tagccaagcc	aggtgggtgt	tcaggttagt	ggtaaacaga	aaggagatgt	tgaaagattt	600
catatctaaa	gggtaaaaaac	acaagagaag	tatatagaga	taaacatgta	aagtataaga	660
ctgntacata	gtaagctcct	ncgaagtggc	agccattggg	attatttttc	tgcng	715

<210> 5037

<211> 758

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (758)

<223> n = A,T,C or G

<400> 5037

tgtttttgat	cnagnnctct	tgttctttttt	gcaggatccc	atcgattcgc	ggcgggtgtcg	60
gcagctgctg	tagcgaagag	agtttgggcg	gatgtctcac	accattttgc	tggtacagcc	120
taccaagagg	ccagaaggca	gaacttatgc	tgactacgaa	tctgtgaatg	aatgcatgga	180
aggtgtttgt	aaaatgtatg	aagaacatct	gaaaagaatg	aatcccaaca	gtccctctat	240
cacatatgac	atcagtcagt	tgtttgattt	catcgatgat	ctggcagacc	tcagctgcct	300
ggtttaccga	gctgataccc	agacatacca	gccttataac	aaagactgga	ttaaagagaa	360
gatctacgtg	ctccttcgtc	ggcaggccca	acaggctggg	aaataattgt	gttggaagca	420
ctgggggggt	tggggtgggc	ttggaacaca	ggtgtgtaca	gcgtgctgta	atggaaagtt	480
ttgnatcata	gtaatcctgt	ttccactttg	gtatctctac	ccagattgac	tgtattagat	540
gaaatgtgan	gatcttggtc	aatcggaaac	cccgtaacctc	ctcttttctt	tctctttctt	600
tnntttttac	ttaacatttt	atgatgattt	anatggaagt	ggtctttngn	acttaatgtn	660
ggttccagnc	ctttaactgg	tcaaaattta	ctttttacan	tnacattctn	aacctttttt	720
aaanaagggg	ntgggggggtg	gnaaatgcnn	nttaacctc			758

<210> 5038

<211> 1278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1278)

<223> n = A,T,C or G

<400> 5038

tnttgggaang	tgtagnctttt	tttttgggaa	aaaaaancec	ccnttttttt	ngggggggaa	60
naggtntncg	gggnntnttn	atancnaata	cncnatTTTT	tgaanaaaan	nacccttnt	120
cangggnaa	aatatnctaa	attnacatct	acatnnnaaa	caaattatnt	ncatcnnatn	180
ggacncatan	tcgacacacc	atTTTntntn	ancacacgt	naacatacat	ntccaccacn	240
ntnaanatac	ctctctctcc	anttnncann	cacnccctt	ctnntaatac	antacancnn	300
gaacccctn	tcgngggccc	natntatatn	anaaancacn	ctaccatan	atcacacnnt	360
ataatnatca	tncnncatac	ncannctcnn	annccaaatg	atgcaatnan	naccacanac	420
tncnntcaat	ccnccanaa	tnttacnccn	anancnngn	ttannncanc	atacncaanc	480
cacnaccana	tncntcncnn	nacnnnncnc	ncnannannn	ccancacnnn	nannnnnnna	540
aannacannn	nannnannca	tncctctnaa	tatanacnacn	anaannnnnc	anacnacaac	600
cactcnggac	tcttaaaactn	cntananaca	ctncantnnc	cccaagacac	anntncnnta	660
agatggacna	cctnntaaac	atcnacacct	agatcnatnn	nnngccccaa	nctanaactn	720
tcaatccntc	cagcnaactt	caactnnnac	nacctnanna	aaatctncgc	acacnccnat	780
nncacctnac	ntannnaann	tacaccctn	ctatnanata	ctcacannnn	tncntnttta	840
tatcaanntn	ttntcantaa	aaaccacgtt	naatatcacc	naactcncnt	atntcnaata	900
agtaagctca	cactanacan	acatatatat	ctacantttt	cncnnacnca	acanctatng	960
cnacaggant	cnnacacngt	anaacacctc	actatcaaaa	tngcnancgt	atcacnacng	1020
cnannagcca	tncntacga	cntntgncaa	atcgaaacnc	ntntaacaan	anatnanatc	1080
tncnnacat	cacaantcta	tatctanana	ctacnngnga	gggcanaaac	acattcccac	1140
nnctanntg	tncccacnat	aaccgnaatc	nccnnaaaca	catggmaana	tccccactan	1200
tcgnatccca	cnccttcaaca	cnaagancnt	accacnntac	gtanacnaaa	gancttgggg	1260
tnnaaanata	cttncccc					1278

<210> 5039

<211> 796

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (796)

<223> n = A,T,C or G

<400> 5039

ngnnnnTTTT	nnaanaccct	nnctacttgt	tcttttgcag	gatccatcga	ttcgTTTTTT	60
TTTTTTTTTT	tgactcttga	gtggatttta	TTTTTgcact	ccaggatgca	gtgaagacgg	120
tggaagggtc	atcttcacac	cgagggccct	cagtgtcgag	gtgactccc	gcctgaggag	180
ggctgaggca	tcctgaattt	tgagagttcg	aggttgaggt	ctaanaaggt	gtacgtgctg	240
taagtcatga	tgtgtcaggt	tcttgtaggt	agtgttgtca	aacgggtcaa	caggcactgg	300
ggctggctcc	tgtgtgccgc	ctcggtcgtc	ccctgcgcng	ntgcatcttn	catgggctcg	360
ccctnggcct	aancctttaac	gctgctggct	tttcatggaa	acccngggta	TTTTTcaaaa	420
gaactggctt	cnaattgctt	ggtggmatct	gatctttcac	gaatggctgt	ncaccttcaa	480
gtgggcttct	attcctgcgt	cctgaggttt	cctttntggg	caagggaagg	ggcccccttg	540
cncctgggct	tttggcaccc	ggTTTTTnca	natgccctt	ttgncggccc	caagaagaac	600
ttggctttgc	aaacttgnccc	ttntggttnt	tggncctttt	tttggccaac	acaacaagg	660
ccnccttggg	ctttgccctt	tcggnggggc	nccaaaacaa	anccctgaat	ttttgtggtg	720
ggacaagggt	naanggggtc	cctttnaacc	tttcaaaaan	gggctTTTTg	ggcttttctt	780
tttaaccnaa	tttcna					796

<210> 5040

<211> 1308

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(1308)
 <223> n = A,T,C or G

<400> 5040

ggcttnaaac	ctttgaacnc	gcttattcng	eggteccancn	ttngnecgnn	tacnggtang	60
gctgngnnta	ggcnttncat	tgcgangcng	nncccnngn	gnnnccnnngt	tgancennng	120
ngncngtntg	gntnagnnc	tacnaacttn	gaancganca	gnnnnnggcn	ttntgggceg	180
ccactgccnc	gaggnntcca	nnmcntagtc	accennngng	tacccttagc	nncncttggg	240
tcctctngca	ccnnntcnta	gaaaatnccc	nnccnnannn	gncttcttna	gtgggtaann	300
tcengttntt	tccecccnnt	ggggnncttt	tngtgcgcac	atngcatcat	tacctntngn	360
nnagtcnta	cactnatann	tctggnnccn	naannancgt	atcgtncnt	agttncnttt	420
gtgtcgnncn	tagnnannng	tnanacgca	tncttgnnn	natganncnt	nctcngttn	480
atctctcatg	tngcntcnn	agcnnacgt	ctctatnngt	ananncatct	cganatcncg	540
cantntaata	tnacggnana	tcgntcntnn	anntattnta	nntncangca	cttcntatgt	600
atatnagntg	cgtancgttn	gannantnac	antgcgacta	tancatcngg	atagtncttn	660
acntcnana	tcctctgcna	tangtncnat	actcngtata	ngncnctcta	tatntaacan	720
agngtangtc	tntgctacc	tcncnngnan	tctanncntn	gggtattcat	natnncaccn	780
tntagtnaac	nttacncgnt	gattnatnta	nccnattcgt	tgtnananga	cananncnct	840
natncaangn	nntacgtatn	gcacatanct	atgantnncc	tagatngntc	gctcaactat	900
cggcaancctc	tncataagnt	gtannntnan	antnatgtag	tctnccgtgn	ntngaccgct	960
atntnnntcg	tanctaancn	atccacnnaa	gananntntt	ngtngnntnn	ntatngctca	1020
aanntnggtg	ttctnaatcc	ccctctctnt	ttntntgnan	agtntgcnan	agttantcgg	1080
nnngtagcgc	nntntacccc	tatnggagag	gnntctnant	tatgcgacat	cnccannnga	1140
nnngnnaann	acggcngggg	gnntctctct	tggatntatn	ctctantctc	tngcacgmmc	1200
nnngcttnt	canatnaaat	accntgacnt	ntnggtgann	cattngnnac	naangcgctg	1260
tgagatagann	cccnntagat	aagtctatct	gtatgctnnc	nccanccc		1308

<210> 5041
 <211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

<400> 5041

gnnnttnnaa	nnccnngggt	ttaganaggg	cngcaggttc	cccanacaa	ctcnntgcaa	60
gancggtagc	attcattacc	tgtttattct	ctgctgcac	ttacagaaga	gtaaaactggt	120
gagagtttat	atgggtatat	atatatatat	atatnanatg	tatatatata	tatatngact	180
tgctacatga	agatgtaaaa	atcggttntt	aaaggngatg	taaatagaga	tttctnaat	240
gaaaaanaca	tatngagaat	tgntctaata	caacagaaaa	gccnnnga	ctctaaggnt	300
cctgtatatt	ccatgtataa	gtgnaaatat	aancagacag	ggntaaaagt	ggtgcatgta	360
tgtanacagt	tgcaagtctg	gacaaatgta	tanantaaac	cttnnattta	agntgggata	420
acctgctgca	tgaaaagtgc	atgggggacc	ctgtgcatct	gngcataatg	gcaaanngnc	480
ttanaagggc	cganccggaag	atcnatncng	acntgacngt	tganatgtca	ggagctgacg	540
acgaggggat	acagcgggng	anagaatggg	catcganacc	aaggggctna	nagaagnttc	600
caatgggcgc	cacctttaa	nntgnngatt	nacacaactc	cntncaggga	atnggngtnn	660
nccanncnng	acnttatctc	cagagtgtcc	cagtattagc	aatactggga	atataggcac	720
antaccaatc	atantnagaa	anntgggggg	tnaccccaac	ccaaatttga	ngcgan	776

<210> 5042
 <211> 1105
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1105)

<223> n = A,T,C or G

<400> 5042

```

gggggncggn natnaanngn tnggaaactn atcncangat agcgcnnggat tcngantggn      60
ttcgaaaacn ctncntnncg atttnaaata aaatnttttt cntntttccn ctgagganca      120
tnttgaaggg nccagnngnn aaanaataa gnatnnnggg ntcaaactct ancaggetca      180
naaatgcttg nggttnnnnt nggttcnttn tngctntccn ctcnatatac anactctgcc      240
ntgacntggn nnnctcntnn ntcgectnnc catcnnatgac atcncncatg gcatgtanca      300
acctnnncnn gntannnnnt aaacnacact tgnattgtct gnantgttng aaatnnaaca      360
atngcaaccn cccantnnna nngggcnngn ccagnncaan acttggmann cttntcanna      420
tnatccnntn centntncc cncatngtta ntacttcta taacatttca nnnncnganc      480
tttatatntg nntnttngnn anngnntann tancntcncn ngnanccann tagagatnnt      540
ggtgcngnnc tnccataaaa nggttctatt tgctnnacn ntacatcagc ctanctctna      600
atnttttagta caggcnacgg gaataatttc ncnngngnga caaaatattc gcgngganat      660
nagntntttt tngnncngng taccatcc cgannattat actnnnnat angngatnta      720
aactctataa agtcnatgtc ananntantn agngaggtct nncntgnaaa anaaangnng      780
ctcatgatct ctcnntatnt atnnnatcnc tccanncta caatctntan ccanttnacg      840
ngcnnnatta nnnnggggnc anattncacg tgctctctta agnccntgt gtctananac      900
nganncntng nantcaancg cnanagngcg acacnccgat actaantntg nacttccata      960
ccaattantn atgtntcatn ncccgacatt aatnaggggc nnaattnta naatcaatgt     1020
ctnnncacna natcngnctt attccaagnt natatntntn aagnnaccnc tctagcncnn     1080
ananncaactt tnngtcgtnt angcc                                           1105

```

<210> 5043

<211> 759

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(759)

<223> n = A,T,C or G

<400> 5043

```

gtctaangna ncagctactn gttctttttg caggatccca tcgattcgaa tncggcacga      60
gtctccttgt ataactactga tcattctatt tttagcggtaa gaacccaaga aggagtatgg      120
atacctgtaa agctttcttg tccttgggaa gcctctcctt ctgtgcataat tattactgaa      180
attcttcaaa agattctgag atgctctcag tgtttcattg ctactttaat tttaatcatt      240
atgggattga ttgctgtcac agctactgcc gcggcanctg gagttgcttt gcatttcaca      300
gtncaaacag cagactatgt aaataattgg cagaaaaatt ctactttgct gtggaattcc      360
caaactaata tggaccagaa actagctaata caaatcaatt atctncaaca aactgtaatg      420
tggctaggag attgagtagt tagtctagaa tatagaatgc anttacaatg tgattggaat      480
acttctgatt tttgcattac tcctcatctg tataatgaaa gacagcatga gtgggaaaga      540
gttaagaaac atttgaaagg tcatactgga aattnacttt agatattatg caactgaagg      600
aacaatatatt tcaatcttct ctggcacatc tgacactaat gccaggaact gaagtgcttg      660
aaggcgcttc anatggataa cagctattac ccattaaaaat ggatcaggac caannaaann      720
aaaaaaactc cgagccttta aactttgngg agtcnnttc                                           759

```

<210> 5044

<211> 1444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1444)

<223> n = A,T,C or G

<400> 5044

```

ctctcncnnc nnnncnntc tctnncnntn nnnntnntn nnnctcnnnn cnnnatctnn      60
nnncnncnntn nnnncnntn cntcncctc ttntntnget ctctntctc ntncatcttn      120
ccnctattnt cntnntntc nntcncnnt antnctnnt tctnccnnc canctntcca      180
tnntntactn tcnntntct ggctntnta tntggggggt ctattnttn ncttaaactcg      240
actngttcca agtctctan cngcctctnt ctntctntct ntgcncnctn ctggggcctt      300
aattncccn gctnttatan aagngngnaa ttaaggtntc nntctanng cntgcaagg      360
ctaagtntta gatecngnta gaanncgnta catgttgga acngacanct tntgcncaa      420
agngggctna ggcanngnn tntgcaaann ctcnntntc nnancttgnn tcncgtagan      480
cggnncccc tgaattttn ancngganc nttaaantnt ntngnggtac gannccnncn      540
ncgnnnnnnc gnntannccn canngttaan tgcncnna nnnantcaac tctntntctc      600
tnntnnaacn nnttantct annatnnta cnnntnagnt tttcctcct nacnctctg      660
tntntntnn atctntntct tctccttna tttntatctc ntntntntc tncctnate      720
tatctnctac nctctntctc ncttctcct nncntctctc atcatatccc acgcnactna      780
nccccctnn ctcttacctn nntnctctc tentatctc nnaccctctt tctntntctt      840
atnncncta tctctactt attctcctc tattntncca ctcaccctc ntntntctc      900
nctntcttn tntattnt actntccta tctcncctc tctntgntc cccacccct      960
cttctctcn ctctcctnn nnnactactc tcaccntctc nntntcctc ctacnntnn      1020
anantcctt anttctctc tcatcacant actcttccct ctcantntca nantaaant      1080
ntctctcac tctaccactc tntnctccac tcatatnana cttctatant nctaactcta      1140
tcttctaaa cntctcctc tatcnccta antcctctt cntcgctanc tcnntncaa      1200
ctcgnaaate tctccaatc tccccactc taaaaatnnc ncntcngant cccactttc      1260
ngngcanaat mnaacnna tcnctcctc ttagctatct ctctanaaac cccntttctc      1320
aacaggnacc nccctntntc tcnaaatcct catnctncta ctttatnt cnccaagcct      1380
cncctntgta anagcatctc nctntcnc ccatnnaatc tccctnctc natanatntn      1440
anat

```

<210> 5045

<211> 1027

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1027)

<223> n = A,T,C or G

<400> 5045

```

agngnttctt tcccccttt atttngaaaa annggcgccc tnnttcnana attggccact      60
tttctctggt ccnnggggaa tcccccaata cgcatntnct gnnaatgtgn cgggtcnacc      120
gatagtccea aaacctctgg ggccattgca aaaaggggnc cccangggnc gntcttaca      180
ngnatnttn ttttataccc tnnntngngg gacannctgc cagntctaata cnaanegggt      240
gngattattn ggggngngnc acccttngn cncnnataat atatnnnggc tcnctatgtg      300
anggcncncc catangnag tntatncnc tcatataat tatctantc anncgcaaca      360
antntatacn ngntgtatac ntgaatnaa gaatnccact nntatgctac gantatnnnn      420
ntngtcnnnn ngntgntntn nctnaante nntnactact tctnctgna cnaantant      480
cgnactnca cncctnctc tanatntgnt antnnaantc nnnnctcnc tngnnntcn      540
tnacngacn tanntnnatn gnnanntaan anactnann taannannnc nnnntnttt      600
cntnttcta cngctncta ncnncnanc nnnntcnnt nctanactct ntnnnnnnn      660

```

nntantnnnt	cncnnaccnc	tgatntattn	cctcantatn	nntnnttct	nntnnnnntn	720
ncgctnnacc	atacnannac	nacatnnnan	nnctgatntc	ncnntanntc	ctncnnccat	780
tcnnccatgnc	ntntnnntat	cctctcanan	naanatntnt	nnntgannta	cgntgtatgt	840
ctnnctcncg	annataccnc	atcntnncta	ctagatacca	cnannnctnt	acnntnnccac	900
ntntcnatat	nnantatant	ctnctacntc	ancnanctct	ngntntatct	gangacacat	960
atntcnngat	nacactgntc	caantnaact	cnagnnnnac	canggtcatc	gacnctatnc	1020
ncncccc						1027

<210> 5046

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 5046

ncntntttcc	tctcnaatcg	nttggtgttc	tttntgcagg	atcccatcga	ttcgggtcta	60
cagtagtag	aagcagcaag	ttagtattaa	tgatgatggt	accttggttg	atgggtcgacc	120
aatagagtct	ctgtccctga	tagatgccgt	aatgcctgat	gtagtacaaa	caagacaaca	180
agcttataga	gataagcttg	cacagcaaca	ggcagcagct	gctgcagctg	ccgcagctgc	240
agccagccaa	caaggatctg	caaaaaatgg	agaaaacaca	gcaaattggg	aggagaatgg	300
agcacatact	atagcaaata	atcatactga	tatgatggaa	gtggatggg	atgttgaaat	360
ccctccta	aaagctgttg	tggtgcggg	ccatgaatct	gaagttttta	tctgtgcctg	420
gaaccctgtt	agtgatctcc	tagcatcagg	gtctggagac	tcaacagcaa	gaatatggaa	480
tcttagtgag	aacagcacca	gtggctctac	acagttagta	cttagacatt	gtatacgaga	540
aggagggcaa	gatgttccaa	gcaacaagga	tgccacatct	ctagattgga	atagtgaagg	600
tacacttcta	caactggttc	ctatgatggg	tttgccagaa	tatggactaa	agatgggtacc	660
ttgctagcac	cttagggcag	cataaaggcc	ctatattgca	ttaaaatgga	atacgaaagg	720
aaattcatnc	taaatgctgg	attnacaa				748

<210> 5047

<211> 825

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (825)

<223> n = A,T,C or G

<400> 5047

gnnnnnnnnn	ttttnaaagn	ccagctcttg	ttctttntgc	aggatccctc	gattcgaatt	60
cggcagcagc	agaaaagtta	ctgcagctta	aacaggaaaa	cccttcttgt	tcaggactgt	120
catagccaca	gtttgcaaaa	agtgcagcta	ttgattaatg	caatgtagtg	tcaattagat	180
gtacattcct	ggnggtcttt	tatctggtgg	tagctttgtc	tttttctttt	tcttttcatt	240
acatcagggt	atattgccct	ggaaaattgn	gggtagtgg	accaggaaa	taaaaaaatt	300
aagggaattt	ttaacttttc	aatatttng	tagttcaagt	tttctacatt	ttaagtncca	360
gaaactttta	caaaaatgcc	agtttcgaaa	ggtgtttcct	tgnggaagtt	naccaagtta	420
aagggaagtc	attgggtaaa	ttactatttt	tggnatggaa	attttgctna	aagtttnactg	480
gtaaaggaaa	cacctgctga	ctttgcaagt	ttaangggga	atctattctt	cccattttcc	540
aaacccatgg	atatggaatg	gggccctga	ccatgtggga	agaggaattg	gataaatttg	600
ggtggtttgc	natggggtgg	tttttagatna	attgggattg	gggtatttta	aaattaacca	660
tttgngggaa	nttnaatagg	cctttnaaga	atanccnttn	aaaatggnaa	aaaaaatct	720

tcnaaaaatt	tccaaaaaaa	aaannnnnaa	aaaacctcna	nggncctttt	aaaacttntt	780
nnggaagtcc	nnatttacct	nnnaatnccc	gacnttggat	naaga		825

<210> 5048
 <211> 707
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (707)
 <223> n = A,T,C or G

<400> 5048						
cnaatgctgg	tngtctngttc	tttttgcagg	atcccatcga	ttcggggcta	gcctgcacgc	60
acgccaaagat	ggagctccag	gctagccac	agaacagccc	agccgcagcc	gtcctaccag	120
accagcacct	tgtaaccaca	gtctaaccac	gcgggcacca	ggcggtgaga	cctcctgccg	180
ctgccagccc	aggatagccc	ccttgccctc	tgcccaaggc	tcaggctacc	ccttgaggcg	240
tctggaggac	actaggcttg	acctggggag	tggcatgatg	gggggcaggg	tccgaggcaa	300
cggagaaggc	agaagtgact	tagattgtga	gtgccacggg	gctgaggcct	gcgccgacct	360
ggctctgctgg	tgctaccagg	cttgaacagt	cttcaaatcc	actgctatta	ggcaaattac	420
ctggtcccg	ctgaactcca	gcacctagaa	ctatgtcaca	ctcgtagtag	gccgctgcat	480
tggttgaaca	aatgattttg	aaagaatgaa	tgtcttcctc	tgtgcctgca	tttctcaga	540
aggctgtaac	aaagattaaa	taggaaaatt	cgtggaaagt	tcaaaaaaaaa	aaannnnnct	600
aanantcatn	nnannnnang	agnntnaaaa	aaaaaaaaact	cgagcctnta	aanctntagg	660
gagncgtatt	acgtanatcc	agacatgata	ngatncattg	atgagtt		707

<210> 5049
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (762)
 <223> n = A,T,C or G

<400> 5049						
ngnttttaaa	tcagctctng	tcttttgcag	gatccctcga	ttcgaattcg	gcacgagaga	60
acacaggtgt	cgtgaaaact	accctaataa	gccaaaatgg	gaaaggaaaa	gactcatatc	120
aacattgtcg	tcattggaca	cgtagattcg	ggcaagtcca	ccactactgg	ccatctgatc	180
tataaatgcg	gtggcatcga	caaaagaacc	attgaaaaat	ttgagaagga	ggctgctgag	240
atgggaaagg	gtccttcaa	gtatgcctgg	gtcttggata	aactgaaagc	tgagcgtgaa	300
cgtggtatca	ccattgatat	ctccttgtgg	aaatttgaga	ccancaagta	ctatgtgact	360
atcattgatg	ccccaggaca	cagagacttt	atcaaaaaca	tgattacagg	gacatctcag	420
gctgactgtg	ctgtcctgat	tgttgctgct	ggtgttggtg	aatttgaagc	tggtatctcc	480
aagaatgggc	agaccgana	gcatgccctt	ctggcttaca	cactgggtgt	gaaacaacta	540
attgtcggtg	ttaacaaaat	ggattccact	gagccaccct	acagccagaa	gagatatgaa	600
ggaaattgtt	aaaggaagtc	agcacttaca	ttaagaaaat	tgggcttcaa	ccccgacaca	660
gtancatttg	ngccaatttc	tgggtggaat	ggtgacacat	gctggagcca	agtgctaaca	720
ttgccttggg	tcaanggatg	gaaagtcccc	ntaaggatgg	ca		762

<210> 5050
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(761)
 <223> n = A,T,C or G

<400> 5050
 tgcttgctct tgttctttat gcaggatcct anctcccnnt ccnggnagga gganacagtt 60
 actgactntc cgcagacgt ggtgctcttt gaagggatcc tggggcagaa tgaggtggac 120
 tatnnccaga agcaggtggt catcctgagc cangatagct tctaccgtgt ccttacctnc 180
 nagcataagg cctaagccct gaanggccng nncaactntn accaccnnga tnnctntgmc 240
 natgaactnn ttctnancnc actnanagna atnactgatn gnanagnngt gcngatnccn 300
 gtgtatgact atgnctcnca ttncagnan gtnccgatan ctntccctga tganacnnnt 360
 tgagganaca gatncggaca cccgggtctn acgcaaanta ttaanggaca tcagcganag 420
 atgcagggat cgttgaacac tataacatcg tcacttcatt anatnnctnc aagcntgcct 480
 ttanangant tctcctntgn caacaacaga tncctggctt ntanaggatc ntncatnga 540
 ggttcncaat agatactnng tnggacaaac ancctnatnt gtgcaattnn attccntnga 600
 ccatcnnntt aatgggaaag ggnctntnna aacggggnaa acccaattng ttgncctaaa 660
 aggggnataa aaccnntttt naaacnaggn ntgtangnnc ttcanaactt gnnannaatt 720
 atggccccc ttttaaccct ttaatggctt ttngtcccc g 761

<210> 5051
 <211> 847
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(847)
 <223> n = A,T,C or G

<400> 5051
 nngtctatag ctggctctcg ctnttgctgt gatcncatga ncccatnnan nnnantnngn 60
 cccgntgagg nctntnattt gcaccatggt cgagtnangg tcctttccta aacatgntnt 120
 aaaaatatan atncgatggc ttatttaaaa tgtccctatg catggngaaa tgntaaatac 180
 cangtggatg antgggtctn nnntatattg tgaatggaga attatncaca atgcatctat 240
 atgtgtanac taataatgta naatatgctc ncttntnctg ntctgtgnan aatgtgctct 300
 aaaatnccct gntngtgggt agcatgggct ggacagmnat tgattttcag aaaaatgctt 360
 ggcttttggg ttnttggcaa tagggaagcc tgcngcaaata tatctcattt gncaaaaanaa 420
 anttattttt ancctatttg aatgtatgct atcttcanta cgcttccatc ttatgatnna 480
 aggnntntcn natttctant ccaagacttc gngcntanac tgtcncagtn gggcatttga 540
 tgncttgtca ccagtggaaa cctgaacgga aaggggctnn aggaccnacc ttattcctta 600
 agggcccttg agaaaaaccc gttnanttgg gctccttaga actngctngc nggggaaacc 660
 tggaaaaccc ttgcccctng tttttaaagg gggngnncct tgggtttccc attngggngn 720
 ctttaanaaa attttggggg ccccnaccna aaatttggcc ccggggattn cnnctanntn 780
 ggctngccct ttttaantcct taanttaaaa aggnccctta caattttggg canttggggg 840
 gnnaaaa 847

<210> 5052
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(747)
 <223> n = A,T,C or G

<400> 5052

```

agagnnnnnn nttttnncta atggctgggg atagtctggn ctttttncag gtngccnanc      60
gantcgaatt nngcacgagg cttggatctt tgtcnaaacc ggttatgtat gtcaaggagg      120
agtttaaggc ctttccgcac caccttgtgt atccctngcc tgcncagcgc atgtatnacg      180
tggagtgtct ccttaccaca ccttanntgc ccctgagccc tatttntctag atttcttngt      240
gggctggaaa ccccgtnct ccaccagcat ntccattatc ccaaactttc tagncttgc      300
gatcctanca nnaacggggg ggaaactgga gggcngcggt ctggcngttg tcnaagaaac      360
ttatganttc tattatnagt acaangan gn taaaatgggn ccaatattnt ttactaanct      420
catgntatat ngagangaaa ctcctatgat ctgnttcang aagggtggtta tngctnngcn      480
gttnacgggn tnnntanggn taccaaant aactctgctn tcatacctta atctgactan      540
tcnagnattn ttagatgttt gggngannnc atcctcttaa aatnggnacc agggcntggc      600
ttcngnngan gcngtgnnta ccaagtgaac tatatgngnt ctcacantnt gctntangcc      660
nactggaaac acntttgncc cgcaagnnnn gctgttgagt cgatgtactg cnttccatt      720
natggctaca ntgtcttatn aggtngc      747

```

<210> 5053

<211> 1014

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1014)

<223> n = A,T,C or G

<400> 5053

```

gnnnnnnctg nnnntttaat cagnctcttg ntctttngna ggancctcg attcnaattc      60
ggcacgagg nntgntcctt ntgnncncc cnngntggng anactnannt ggcttgcctt      120
nnnncgnacg cnngaagnaa cgggcntctc acgcgcntnt gnattgtntg acangganca      180
tgnacctnctn tacnnnngcc atntgntnnt ccaactgcnt gaanggctaa tcctnngcct      240
gctctcnann nggntgnntg tggnaaang ngtttggttt aaaanncata nnaatnncct      300
tccatnatte agnctgtntt ttnacngggg anttnatnnt caatnctnt agctgntnan      360
cnnccgcann gctcaattaa tncntgnact cttnattttc cctnccnttg nanttgcnat      420
cacattaatg cggatcaana tnggntttta tgaggaant ntctcgactt attaaggnaac      480
ccccaccnt gmgctagtga ttttcaann ncatgnttgc angaaaaaa ccctttcaaa      540
aaccttaatg gnaantttct ttgaggctta aanaataaaa tncctggggg gtttacttgg      600
ggggnccaag cgggggggga nttnaanntt tngccttctt tnttttggga accttttnan      660
cctttgggaa atggaatggg accctccccc cnttttttag gggtaaatcc caaanggggc      720
cnttgnnngc ggncccnna aaangtgggg ganatcnaac cctggcttng ggggatttta      780
aaaaattttt ttnccaaaaa attnggnntt ntttttttt cnnnnncnnn nnaatggggg      840
gaaatttttt ttttggggcc cnaaaattta aaccccggtt tttttctcca gggggnaaaa      900
aaaaaacct ttttttttt tccnnnnnnn naaaaaatgg gggtnntaac ccaaaaaann      960
cccggtngnn nnccttttna aancnccaaa aancntttt tcccccgna nggg      1014

```

<210> 5054

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(762)

<223> n = A,T,C or G

<400> 5054

```

agagnnnnnn nntttnttnn ctacttaatt gcttggttac ttgttctttt tgcaggatcc      60

```

```

catcgattcg aattcggcac gaggcattnc ctgctnngaa cctngtntac taatttccac      120
tgcttttaag gccctgcact gaaaangcaa gctcaggcgc nggtggtcgt tgtgacccaa      180
cctgcagtcg gtccnngncc ggccccccag aactncaact ggcaaacagg catgtgtgac      240
tgnttnanng actcgggagt ctgtctctnt ggnacatttt gtttcccgtg ccttgngtgn      300
caagtngcnn ctnatatgan tgaatgctgn ctgngnngaa caagcgngnn antgaggact      360
ctntacagga cccgatatgg catccctgga tctatttgng atgactatat ggcaactctn      420
tgctgtntct attgtactct ttgccaaatc aaganagata tcatcagang gagagccatg      480
cgtactttct aaaaaactgat ggtgaaaagc tcttaccgaa gcaacaaaat tcagntgaca      540
cctcttnant tgagntcttc acnatctttt gcnactgaaa tatgatggat ntgcttaagt      600
acaactgatg gcatgaaaaa antcaaantt tttgatctat natnagatgg aatggttgtg      660
ccttgacttt agcttaaatg gnggcaactt taggtttctt cttgctntca tattatccga      720
aatttcctgg cttatnaact tttttnaaat taccatttgc aa                          762

```

```

<210> 5055
<211> 1024
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1024)
<223> n = A,T,C or G

```

```

<400> 5055
ntnnnnnangn ancnccttga aacgcctctc tngtangcgg atcccatcga ttcggtnctgc      60
ananggcacn aggtcgtctg gccctggaagn ccttttgggg ccactcgtca attctcatgt      120
gtngctccgg cccctccagc tgcaggtggg tgtggagttt gaggccagca caaggatgcn      180
ggacaccanc gtctccttcg ggtaccagct ggacctgccc aanccaacct gcttttcaaa      240
ggtaaaggtc tnggtttccc tacgcgggaa acaggcagga agtgactcaa ctntngantg      300
ggatgtntgg gccaccacag gtgctggagg acagnagcgn tgnccacctt ntngggcctc      360
cacattaccc ggggaacact tggtaaaaang taatgtgggg ccgggtgccg gtnngctcac      420
gccctgtaat cccagcactt tttgggaagg ccaangcggg ccnaaggta atgggagaat      480
tgnagacca tnnctgggtt taaacaccng gtggaaaact tccgttnttt taactnaaaa      540
aatnncnatn nnaccnanaa atttaaacc cnggatagtt gggttttccn gggttgcctt      600
aaattgggtg nccaaaacct tacntgnnng ggnnttnnaa gggnnccggg aaaaaaatn      660
gggttnnattg aaaaancncc angtaaaagg ctngggaaac cttttggctc ggagtaaaaa      720
cccnaanaa aancccgctg cncanancnc nggaaaattt tcnnnaancc ccctgggggg      780
cccgaaacnn tntnnnncca aanngaactt ntccaatttt tttaaaaaaa ngnnnanann      840
annacnnata aaaangctct tggggtnggg gacaaaaaac cccctntttt nacctantgg      900
ggnntaatt ggcttttggg gngaaanaaa aannanaana ntnttnnta taaaaaant      960
cgggccctaa acnccttga gggntgagat ttnaaaacc ccttngttta attatcccc      1020
gcct                                          1024

```

```

<210> 5056
<211> 822
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(822)
<223> n = A,T,C or G

```

```

<400> 5056
tnnnntnaaa cnnnnnnnnn tnnntcctg aannanancn taannncana nanacnannn      60
natnaaangn cttcnaantc ggaaancttc nncgctcnag nagnaagacg gggaaccagn      120

```

```

gncnacgag cnagacaggt nccaattagg acntcatctg gncnctgtc agncatcaat 180
gaggggcnca atgactatag cttggancac agaccacaca cncngcgan gntgcncggc 240
tngaagnatt atncacanct gcgnccccaa nggggcnagg tgatggagna taccaccatc 300
cttnggntgc ncgaggngga atttgccagn nangggaaat ntcagngtgt catctccaat 360
cactttggtt catcctactc tgtcaaagcc aagcttacng taaatagnng gggattaaan 420
gannnctttg gcattttaag attccnaggg gccaanaaaa ngnanaaaacn nntcnctcgg 480
naatgttanc ccngnaggnt ntnatgngag ntanccacct gntccttct ttaccnacct 540
nannnnnac agaataaaga tacttgggta tctgtatnta aacctgcnat tatgggtgaa 600
nagacacccg nactcaattg tggatgagta acacaacana tgaaccanac ntgtanntgc 660
tcanttttng acccntttnc nnttatnann nagctgaggn cggcaatctt nnnantgggt 720
nccccaaaag gnttggaatg annatccng gggttnncaa ntngannntt gnaatatngn 780
agcnnaaatn gnannttcaa ncnnntnggg agnaaaaaan cg 822

```

```

<210> 5057
<211> 1103
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1103)
<223> n = A,T,C or G

```

```

<400> 5057
cggggaaaaa ctctncaaa aaaancagan nnacctnann nnaggaggan cccttaaaaa 60
aatatggagg cccnttgngg gggaccccc ccaaaaacca nccaagaaan aantaagggg 120
ggncctcttg ggggggggat gaaaataang gggggnccn tnnnggnggn annnanncnn 180
nnnnnncnnn nannannana nnnannncnc nnnnnnnana aannnnnncn nnnnnnnnc 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ancnnnnnnn 300
cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
cncannnacc ccancncnnn cncncnccnc cccccnacc nncnnnnncn cnnccnnnnn 600
nnncnnnnna nnancanccc nccccaannc cncncnccn ncncncncn cnnccccnnn 660
nncnccccnn cncnnnnccn cncncnccnc ncacnncnn cacccaancc ncnnncnaca 720
nnanccccnc cccncanccn nccnnnnann cccacnccn ntcnncncn canannaacc 780
cnnannnnnn cnnacnannn nnnnnccnc nncannnanc cncncncnc nacnanncnc 840
cnnnnncnnc nnnnnncaan cnnnnncatn nncnnnnana nnnnnnnccn nccnancnnc 900
cnnnnncnnc cnnncanna nnnnnannn ncncncnnc annnnnnann cnnnnnancn 960
nncanncnnn cnnnnnnnnn ccncnnccn cncnnnacn cccccnncc nnnnnnnncn 1020
nncnnnnnnn nnnnnnnnnn acnnncncn cnnncancc nccncncnc nnnnnnnnnn 1080
cacnnnnccn nnnnncnnn cct 1103

```

```

<210> 5058
<211> 761
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(761)
<223> n = A,T,C or G

```

```

<400> 5058
agagnnnnnn nnttntnct actaatgget tggctacttg ttctttntgc aggacccatc 60

```

```

gattcgaaatt cggcacgagg gnaaattgng catnnnnntg tttgcngatg gcnnnnttan 120
ctattnnatt aangcncntt atactctgct gcttaactng cttgtaattg cacntnngtt 180
acctgcacat tttcatatng aatattgtgn tancatngct tantgtgngt ctggatggaa 240
gatncntggg cctacaggat cattaatgac atattgttta tattacagta ttatatctgt 300
gncatcagcn gtaantncat ttntttacaa atanangcct gttccatttg aaanatatac 360
aagtgtgtgg ncaaaaaggaa gtataccag nancaagccc atgangagtt tcagcaagtg 420
ttcattcctg antgcnatga ctacngcgcc tacagtcan gncagtgtca cagctacacg 480
ggatactgnt ggtgcgtcac gcccaacggg aggcccatca gggcnctgc cntgnccac 540
aagacgcccc ggtgcccggn ttcentnaat naaaagttn cccaacgcga aggnacatga 600
aaaacagatg atgcegtanc ttcanngtnn ganactcanc cttaaggnga ttaagaaaat 660
tttgcataaa gtttaccctt acccttttgg aattgaacan ggttaaaaag ttccaataa 720
cnaaaaccca ataaganttc aatggcctcc tntggancca a 761

```

<210> 5059

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 5059

```

gngngnngnnn nnnngnngnnn nnnnnnnngn nagnnnnnnn gaggnntttn ngatacagct 60
cttgttcttt ttgcaggacc catcgattcg atcantgtga actcttaaan catgcngaag 120
cnnctctagg aagtngaat ctgatacaag ctgtgatgtt gcctgangga gangatctca 180
atgaatggat tgctgtgaac actgtgggat ntcttnacca gatcaacatg ttatatggaa 240
ctattcagaa ttntgcctga ancaagcttg tacagtcatg tctgcanggn ccagatatga 300
atatcactgn canatggtac taatattaaa aagccaatca aatgttctgc accaanatac 360
attgactntt natgacttgg gttcaagatc agcttgatga tgaaactctt ttcccttcta 420
agattgtgn ccatttgccn aaactttatg tctgtgngca nanactattc taaagcgtct 480
gntcaggggt gatgcccatn tttatcacca gcactttgan tctgtgatgc anctgcaata 540
ggaggcccac ctcanccact gctttaagca ctttattgtc tttgntcagg agtttaactc 600
gggtgatagg cgtgaactgg cacctgttc aagaattaat anagaanctt ggatcacaan 660
acngattaat gtttntnta gaacacagtt ccccatgtct taatctattg ntagactatc 720
tnattgctat ctggtattng actacg 746

```

<210> 5060

<211> 808

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (808)

<223> n = A,T,C or G

<400> 5060

```

agagnntttn ncnctgaag cctntaaan nggctgggta ggtcgtntcn tctccangca 60
gccannngcg nntcgaattc ggcacgcagg tagcgacntt tnnagtangt ggtgggcanc 120
tcaccgtggg nacagttagc ctntctatnc ctngcntnct ncaactccnc gnantngcta 180
aanggtggc nanaaagcat gnaaaggact ccgnaaaggc cannacataa cgcngtatnc 240
nccgattcgc anancagtc ggntggcagt gnccactngg antcgtntta tgatcgacac 300
ctagagatga tactggcgca cncagcnttn gtncaacgcn ggctcaactt ggcnaacnant 360
gnacnngng caggngnnc tggagtacnt nnccgnaagc ngtgctnnga ctnggcntgg 420

```

actgnntcan	aagactnnta	ngtaaaccgt	atctccacnc	gnatcntgca	actatgctnc	480
ccttggnat	gaggnancag	antgtcatan	aaangntaca	antgcngata	gtgggnncant	540
cacananatg	cacagngccc	ntnttgncaa	natnggacat	cccaggaant	gccagangat	600
canggangcn	ttgaaatntt	angactnnta	antgtcncnc	gcttgtnaca	gagctgnttg	660
aaaggcagtc	ggantgcac	cctggngaaa	gccacacaagt	mntgacgttt	tggggattng	720
natttgaanc	aaaagcngaa	gaactttaat	taggattctn	cnanccatcc	cnaattgctg	780
ggaattcgaa	atctttaacc	acatggcc				808

<210> 5061

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(792)

<223> n = A,T,C or G

<400> 5061

taannatcag	ctcttggtcn	ttgaagcctg	ctatnnncag	ctacttggtc	tttttgcagg	60
acccatcgat	tcgaattcgg	cacgagtggg	aaangtttta	ttntnccact	gnngttgncg	120
gttaataana	tggtncaaaa	cgtgcncctg	tnacacactc	gantatntnt	ttangaaatg	180
ntnatgtggg	natgattacc	nttagatcaa	tactttaaat	aattttaccc	nttttacaag	240
ggtaaccang	ggcactactga	aacttttagaa	cncttncngc	aatnncnatg	ggggangttg	300
ggtgangctt	nggatccctc	tttttngttt	tgcacgntgn	aanngangtt	nccagntggc	360
atnttgaata	tgctgctttc	caaaaaccca	ngaagtnta	aaattgcttc	ctggnccttag	420
aggactaana	acaagaccct	cattcccact	ttcatttnca	ctctagcaaa	aactgggctt	480
gcgtanttct	ccanctactc	gnntatatcc	tcnttccatg	tncaaaccct	ncattccctaa	540
gnnggattgg	cttactttng	cccatccata	tggcagnatn	ntnaatagct	ttgnaccggg	600
attagatctt	ggccttaggc	ccangttcaa	aacaagtgcc	natctatgac	cagggnccaa	660
anaaaaaana	tccaggattt	cgaangagan	acnntncatt	gggantnaag	actcntacna	720
agtccttagc	cnttttcata	aaagcctggg	cctctaattg	ctgnnaccat	tttaangggg	780
canttataaa	an					792

<210> 5062

<211> 780

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(780)

<223> n = A,T,C or G

<400> 5062

tttnaaancc	ntggttnaat	ncctnnttga	anccttttta	tgatacagct	cttggtcttt	60
ttgcaggatc	ccannnncag	gcttgaccca	ccgcgccag	cctgtaattt	cttatacttn	120
gtatnttgta	cttgatttat	gcttctgata	cgctataatn	atztatgtac	atgttttttt	180
nctncaatan	actgggaact	cttcgaatgt	aggactnnta	atgctagata	ctcaattatt	240
ttntattaaa	ttgaatgact	ngaaactaca	gatccttnat	ntaaacttcc	caaatttatg	300
ctgtatttaa	ncngctcttn	aaatctggtc	nntaangnga	attntnaagg	cttgggacat	360
gcacatgatg	gntgtattgc	caactgngaa	aaggtgatgg	nttactggag	caggggcaag	420
gacacctggc	cccgcccgga	gcaaaaactg	ntcaaccaca	aacgatagca	ggaaaaggcc	480
tgtgncctnn	gcaacantgt	nttgctgcag	ataatnncnc	agagcctgnt	tctctgntct	540
tnctgagatt	gctttggttc	cataaangat	tgtttttagct	aatctacaat	ctatagaagc	600
aatgntanaa	cttggttttt	tggantaaan	ngnnggggna	aagnttngna	atgtgggntg	660

tcaannttttn	gaaaaaannc	tnnatacnan	caaaanttna	nccatttttna	atnttttagng	720
gnnggantant	ttnatnnann	ntntntagan	actntgtatga	gtttgnaaaa	acccaaantn	780

<210> 5063
 <211> 762
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(762)
 <223> n = A,T,C or G

<400> 5063						
cgnnnctttt	tgaacccatt	tctcgttctg	caggatcnna	tcnattcgaa	ttcggcacga	60
gggaacttac	ccatggggac	taatntggaa	aaggtctgtc	catagtggnt	ccctgaagac	120
tggaattact	tcagcaaaac	tncccatga	acagctaata	tgtaangaaa	gantgancta	180
gcaaatgagt	tttaccgggg	acaaaaaatc	aagcanaana	gtgaatgctt	agaaccttct	240
caaagcantc	acaagtacag	acacttcact	tagcctaggg	ggccttccag	ggttcttgtg	300
gctgntgtca	gagcaggagc	tgggggaggg	aagacttggt	ctctctttct	tgaggggtgg	360
cattaggaac	ttacgaaacc	anagaccttt	ccctatgact	tggcagnatg	tgaatacctc	420
ctacacttag	ttattgataa	acttcttaaa	gagatctgct	atthttcagg	agtgccataa	480
tctgcaacta	ncattggcct	gcttcagttg	ggcctcttcc	cancagatg	gcccagggtg	540
actttcgagg	ttgtcattaa	gtaagttgtg	aaatttctgn	aataacaaag	gcagtcnngn	600
attctttcct	tttccncaa	attcctaagg	caaaactttt	ttatggngct	ggtnacatgg	660
ggagtnacac	aaccnnctga	ctttttctca	ttgccattgt	aatgactgat	gganaacccc	720
accncctggg	atccaaatga	caattgtgct	gaaaaaccna	tc		762

<210> 5064
 <211> 763
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(763)
 <223> n = A,T,C or G

<400> 5064						
gnnntttnnn	atctgctact	tggtcttttt	gcaggatccc	atcgattcga	attcggcacg	60
anggtgactg	cagttgacga	aagcatgcca	tggggatatg	ggacattgnt	gggccacatt	120
ttggngacng	accccnctg	ttgacttttg	gaccnatcc	tttgannttt	ggentgccct	180
cntagngctt	ggaattccct	gttttccagc	ccancccnna	tggtatgtat	attcnttaca	240
agtnctccna	aagancannt	gtctaggatg	cggggagggg	aggttccttc	cntangggag	300
cgtgganaga	agggagcagc	cttgggggtg	nattntnggt	natgcntcan	attgggcatg	360
catgggatgg	nanangggct	cagccactnt	cctncagaat	cttcctnaga	ccctncaact	420
gcantatgta	atnctactct	gtnttccata	naagggangg	agccacatat	gacattccag	480
ttctaagccc	ancatggang	aacangncta	tgtccccata	ngtgangtan	aagtagaggg	540
cttcacctgn	cagtatncct	gccgctactt	cctcacataa	ggaangacga	agaagnaacc	600
nggacctcgc	tttncatgg	tgcantcagg	aacanggttt	tacgcagctg	gccaactntg	660
aggctntgct	gncttttntc	gtggncagtc	caggaaatgc	ttacaccacc	ttttttccca	720
ctnttncctc	ttggattntg	ggggnccnc	aaaccggaat	tnn		763

<210> 5065
 <211> 762
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (762)

<223> n = A,T,C or G

<400> 5065

cgnnnctttt	tgaacccatt	tctcgttctg	caggatcnaa	tcnattcgaa	ttcggcacga	60
gggaacttac	ccatggggac	taatntggaa	aaggctctgc	catagtggnt	ccctgaagac	120
tgggaattact	tcagcaaaac	ttncctcatga	acagctaata	tgtannngaaa	gantgancta	180
gcaaagtga	tttaccgggg	acaaaaaatc	aagcanaan	gtgaatgctt	agaaccttct	240
caaagcantc	acaagtacag	acacttcact	tagcctaggg	ggccttccag	ggttcttctg	300
gctgntgtca	gagcaggagc	tgggggaggg	aagacttggt	ctctctttct	tgaggggtgg	360
cattaggaac	ttacgaaacc	anagaccttt	ccctatgact	tggcagnatg	tgaatatcct	420
ctacacttag	ttattgataa	acttcttaaa	gagatctgct	atthtcaggt	agtgccataa	480
tctgcaactta	ncattggctt	gcttcagttg	ggcctcttcc	cancaggtat	gcccagggtga	540
actttcgagg	ttgtcattaa	gtaagttgtg	aaatttctgn	aataacaaag	gcagtcnngn	600
attctttctt	tttccnccaa	attcctaagg	caaaactttt	ttatggngct	ggtnacatgg	660
ggagtnacac	aaccnnctga	ctttttctca	ttgccattgt	aatgactgat	gganaacccc	720
accnctggg	atccaaatga	caattgtgct	gaaaaaccna	tc		762

<210> 5066

<211> 746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (746)

<223> n = A,T,C or G

<400> 5066

agagnnnnnn	tnttgtctac	taatagntgg	gttggntnnt	tnttctncac	gcannccagc	60
gnntogaatt	cggcacgagg	tccatctttg	tagctgacat	gacacatttt	aaaaatttca	120
cattaaaatg	aaggcatcta	atggctccat	tatgtctttt	agagtgggtct	ggcccagcta	180
attgcatatt	gaaatacatt	agatttgtca	taaattactt	tcctttattg	tcttttctgt	240
caatcttagg	acattaaatg	tatatgtttg	aaattgtggt	taggtagggt	atctgagcat	300
ttggttcana	tagtaaagag	agtgttataa	gttactgtga	agccccaggg	gctttggggac	360
tgatagggtt	tagaacattg	cactagggga	aatgaattgt	aaagtaatgt	tntttctcta	420
gactaatgat	tcagctgaat	taatactttt	aatgtgaagc	atthtttaaag	aaagcaaacc	480
agcctgggtc	ggtgggtcac	acctgtaatc	ccagcacttt	gggaggcaga	ngcgggccgg	540
atcacgaggt	caagagattg	agaccatcct	ggccaacatg	gtgaaaccct	gtcttacta	600
aaaatacaaa	aattagctgg	gcataatggt	cntgcctgta	gtccactac	ttgggangca	660
nangcaggag	aattgcttgn	accggggana	tggaagttgc	atgaccctaa	tcgggccctg	720
nacttttacc	tgacananant	gagant				746

<210> 5067

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (732)

<223> n = A,T,C or G

<400> 5067

gnnagnnnnn	nngngnnntt	tnagatacag	gctacttggt	ctttttgcag	gatcccatcg	60
attcgcaagc	attcaagaaa	taatggtag	aatagcctgc	taatagcatt	attccatattg	120
caggttgatg	ccgccttacc	tttggacatc	ctaacctatg	aagagaagac	cttggtcagcc	180
atcttgagaa	tatgtagcag	tggtcttgtc	aaattgtgga	gctctttgac	cctggttagga	240
tcctataaag	gcaaaaaatg	tgctttccgg	gtgattcaag	tttctccatt	tcttcttgca	300
ttatctggta	atagtaggga	actagtattg	gattgaatga	ataagtcttc	cattttggaa	360
acgttcaccc	actctcatat	ttattttttg	gtgcctgcat	gtttgaagac	tgaagcaggc	420
taaaagctct	tgatgaaatt	tgagggtgct	gaagatgttc	ccactaattt	ccagccatca	480
cctttggtgg	ggtgggcttc	ggaggacaag	tctgtctgaa	cctgccagtg	ctgaccctgc	540
agcactttca	gcatatgcac	atcaaaagtt	ggagaccgcg	cctgaactta	nganggcctt	600
cacacagact	gatgtggcta	cccttctcag	aattaacagg	ggatgtcaat	cctttgcatt	660
tgaatgaana	ctttgcaaaa	cacaccaagt	ttgggaaatn	caattggmca	tgggaagttt	720
tgacaacgga	ct					732

<210> 5068

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (820)

<223> n = A,T,C or G

<400> 5068

gggntttata	tatcagctct	tggtcttttg	caggatcctt	cnatcggtan	ncngnnccgan	60
ctganttcgt	acnnagnct	gctnntacct	gggctnactg	gannnctcca	nctacncagg	120
cagnaggatg	gnagctnaac	tnccangang	agcttgacga	gnncctgnna	tccgtgccac	180
tgactccag	cctggcctna	cancanccgn	gactcnmgnc	tnntaancct	aaaagnctcn	240
ttatcagcat	gcntcccat	ganagngtcc	tacatnctgn	gacattcacc	tatattccng	300
ggncctntta	attnncaacn	actgctctta	gangtcttag	ncttttatgt	taattctnat	360
aaatncnatt	gaatanatat	tatncccaaa	tcttagtggt	ngcatnttag	ctattnaanc	420
ctntccaang	tangttaaag	gccaccgttt	tcngatnaat	nctncttttt	atantcnatc	480
tggaatancg	catttctntg	agaataaaa	anagttnttt	tnaanaatag	gatcttttng	540
ncccttcggg	ncgncctttn	tgncctntag	ctgctttggg	gcaantntga	agttgagnga	600
tcnncttgt	agccctagga	atttccanan	ttgcnctgnt	gtnantggaa	cttctnancc	660
ttgtgccnan	agnantnatn	nccctntnn	tttttaaaaa	nnaattngtt	tcaaatctcg	720
nccttntttn	aataggcttn	anatgnttat	anaccnnggn	cnaagtntn	caatcttnan	780
tccctttnag	nntccnaatn	aatntaaant	ccttnaatng			820

<210> 5069

<211> 833

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (833)

<223> n = A,T,C or G

<400> 5069

nnnnnnnatn	atnnnnntnt	nnntntntn	nnnnnnntnt	ttnnnnntnt	ttggtgaggt	60
naatcttctn	ttancttcca	nnntnctgntc	tnnttgcant	nccngtcgat	tcngataact	120
agtcaataag	gaacaggatc	aacggccact	ccaccatgg	caaateccaca	tgcaggggnt	180
ctncaccaag	gttccagcct	ncaaagtga	anacgcctng	gaacagcnag	ggagggtnaac	240

aataattnaa	nananagaan	ggaataacgg	cnnaagaaaa	ngaaaaanaga	ancgaaanaa	300
ctaangntng	aaaaccaccc	ggaaaactca	aggaatcaca	atcctaanaa	gccccaaaaag	360
ggacaggang	ctnancctga	ngctggtggg	gaggaantcc	ctgaggccaa	tggctctnca	420
tgggaananga	gcnagaataa	gaancanngc	aaggacancn	ccncttagga	atangcacgc	480
gttggcgcn	ggaaaacgaa	ncngangcac	tctgaanttt	aaacatatc	tnagaaacaa	540
caanatnaag	cttcagaac	attctgaagg	gcnganaacc	agaataccat	naagctcctg	600
caaaaagtta	attnnnctgg	aagggaacta	ttaaancatt	ctnaaacaag	ccccaaacaa	660
tnaaataacc	ctcaaaaagc	taangaaaaa	agtttttnt	tantactaca	caggtgacca	720
gatttagcct	tnaccagatt	tccaaanaag	gaaactncct	tgggtcattc	ttttaacaat	780
gaaaaattta	tctacntaaa	ncctttcctt	tttaantttt	tttaaaaagg	gng	833

<210> 5070

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(741)

<223> n = A,T,C or G

<400> 5070

agagnnnnnn	nnntttgtct	tntggctctt	aanaggcttg	gctacttggt	ctttttgcag	60
gatcccatcg	cttcgaattc	ggcacgagga	gccctcttat	tgtatatact	gaacgcattt	120
ttaaattgaa	gagatactat	tctgtgtatc	tttgcaggcg	aatgagtcct	aggttggcca	180
gtgtctcact	agttgagatt	aaatttttgc	ttatacttgt	tgatttgact	gccttctgaa	240
tagtattagg	aacacattgt	aaatttgttg	ttgatggctg	gctgaagttt	tccagcacat	300
ttcttgaggt	tgccaagttc	ttctacaatg	actgaatcta	ctcttcattc	attctagtca	360
gcagtctcac	acttaattcc	aaggtttact	taagattttt	ttctgaaaaa	gcaatgcttg	420
ctttccatat	ttgcatattt	tttctctgcc	ttaatagcag	aaacaatggc	ttcatcttgc	480
atttgtatca	gattctttcc	attgatatac	cttgtcctta	ttagctagtt	gtttccact	540
gggtgcagtg	gcttatgcct	gtaatcccag	cactttggga	ggtcaaagcg	ggaggattgc	600
ttgagcctag	gaattcaaga	ccagtctggg	caaaatagtg	agaccccatc	tgtcaaaatg	660
aaaaaaaaaa	aaaaaaactc	gacctntaaa	ctatagtgag	tcgattacgt	agatccagac	720
atgataagat	ncatggtgag	t				741

<210> 5071

<211> 760

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 5071

ntttttnaaa	acnacangct	ncttgtgcan	gatcccatcg	attcgaattc	ggcacgaggg	60
tggctcggn	tgtnctgng	gtttcctgag	ttgctgctgc	tgcggcgggc	gcagcgggct	120
ctgtgcttgn	ggaggtgtcg	gcctntgggc	ggatgttgac	attgtgttgn	tggtatngct	180
gatggtaatg	gcnnccggcg	nggcngctga	cggctccagac	cccatccact	ctgtagccgg	240
agccganaca	gccgacagcg	aactncncgg	cctcgnatcc	ggcagcagng	gngactnccc	300
tcagcctg	ccgcctnncc	cgncggtnc	cnngagccaa	ccnngggagt	cangncctnt	360
nngcatggga	gctcgnaaagc	tnangatggn	ngatttacac	aaaanctatg	atgaatagga	420
ggacnaggan	cggccctgga	ggagcagctg	ctcaattact	caacggaccc	gggtgctgtc	480
ctcggtatccg	gtcanntcan	cgtatnagga	ctgagcaaca	aatttgaatc	tgaattgcct	540

anttcattaa	ctggaaaant	cactcctgaa	gaatttaaag	ccngcattaa	cattantnac	600
aagttggatt	aanaaaaacc	ttctgtaaat	gtccgttnc	ncttagngga	ngccttnnat	660
tgctgctgcc	attangtn	ntttgtggcc	agtnnttggc	tnaattaaag	aacnctaaaa	720
ngttgagnat	ttantagaat	gggaaaancc	atccgttnnt			760

<210> 5072

<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (742)

<223> n = A,T,C or G

<400> 5072

gnnttactna	tatcagctct	tggtcttttt	gcaggatccc	atcgattcga	attcggcacg	60
aggaccgcc	attctaagat	tgtagtggt	actgcaggag	tccgtcagca	agaaggggag	120
agtcggctca	atctggtgca	gagaaatgtt	aatgtcttca	aattcattat	tcctcanatc	180
gtcaagtaca	gtcctgattg	catcataatt	gtggtttcca	acccagtgga	cattcttacg	240
tatgttacct	ggaaactaag	tggattaccc	aaacaccgcg	tgattggaag	tggatgtaat	300
ctggattctg	ctagatttcg	ctaccttatg	gctgaaaaac	ttggcattca	tcccagcagc	360
tgccatggat	ggattttggg	ggaacatggc	nactcaagt	tggtctgtgtg	gagtgggtgn	420
aatgtggcag	gtgtttntct	ccangaattg	aatccagaaa	tgggaactga	caatgatagn	480
gaaaattgna	aggaagtgc	taagatggtg	gttgaaagt	cctatgaagt	catcaagcta	540
aaaggatata	ccaactgggc	tattggatta	agtgtggctg	atcttattga	atccatgttg	600
aaaaatctat	ncaaggattc	atnctgtc	acnatggtaa	aaggggatgt	ctggcattga	660
caatgaannt	ttctgagcct	tncatgtatn	ctcatgccc	ggnattaacc	tcgtnttnac	720
ccnaacctan	ggatgatagg	tt				742

<210> 5073

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (732)

<223> n = A,T,C or G

<400> 5073

gnnnngnnnn	nnngngnnnt	tttatatcta	ctggctactt	gttctttttg	caggatccca	60
tcgattcgaa	ttcggcacga	ggcccagag	ggaacctcct	ccgctggggg	acgggaagcc	120
caccgacttt	gaggatctgg	aggacggaga	ggacctgttc	accagcactg	tctccaccct	180
agagtcaagt	ccatcatctc	cagaaccagc	tagtcttctc	gcagaagata	ttagtgcaaa	240
ctccaatggc	ccaaaaccca	cagaagttgt	attagatgat	gacagagaag	atctttttgc	300
agaagccaca	gaagaagttt	ctttggacag	ccctgaaagg	gaacctatcc	tatcctcgga	360
accttctcct	gcagtcacac	ctgtcactcc	tactacactc	attgctccta	gaattgaatc	420
aaagagtatg	tctgctcccg	tgatctttga	tagatccagg	gaagagattg	aagaagaagc	480
aatggagac	atttttgaca	tagaaattgg	tgtatcagat	ccagaaaaag	ttggtgatgg	540
catgaatgcc	tatatggcat	atagagtaac	aacaaagaca	tctcttttnc	tgttcagtaa	600
gagtgaattt	tcagtgaaaa	gaagattcac	gactttcttg	gtttgccagc	aaaattagca	660
gccaatattt	acatgttggg	tatattgng	ccaccacttc	cagaaaagag	tttagtaggg	720
atgaccagg	gc					732

<210> 5074

<211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (772)
 <223> n = A,T,C or G

<400> 5074

gnnttttctaa	ngcnngctnt	cttctgengc	tcnncnncatc	cgtgnntaca	cancacgncg	60
angnntntct	gactnttnnn	ctatgtaata	ngcaggngta	gttgnntntn	tgctgccatg	120
natgnatnna	catnncatgt	gcagtgtctn	acgtaatacn	ctccnatnaa	nctngttgnn	180
cntactnntc	nncaacntgg	atatgncant	ttgnncagna	cnantgntgc	anattggaan	240
atgatggcct	nactcttacn	atgtgattgc	ctatatgncc	tctnnacctt	gaatacntnt	300
gntatnncan	ncanagtntc	aaaggatgnc	natnatagca	gcncctcttn	naaataagga	360
aaentccttg	aataatgtaa	aagcctcata	tacaataatg	aataataaag	aataatgtga	420
aggcttcatt	caaggttggn	gtttgccaga	tcattgcaac	aaaatgacag	agcanccaac	480
gtatttanga	tagtggccaa	agtattgtaa	tgatggctta	tgagtggtca	gctggataaa	540
gagtgaatat	gactaaaaac	taatggattg	ttcagtcgaa	tagcanatgg	tcaatgggtca	600
tgcccaagt	aataggggga	cccaaataana	aattggaaga	cccagtcana	agtggggant	660
tgatcaatc	canccaaaaag	tggaatggg	caggggaatc	ggtaggcccc	anggttccaa	720
aatgttacc	agnggncaat	ttgttggtcc	ccatgggtggg	gaatccaang	gc	772

<210> 5075
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (750)
 <223> n = A,T,C or G

<400> 5075

agagnnnnnn	tnnntcttat	cgcctaatagc	ttggctactt	gttctttttg	caggatccca	60
tcgattcgct	gtgaagacct	ggaaacagac	aaaaaagagc	ttgccaagct	ccagactgtc	120
cagctggatg	aagatatgca	agacttatga	actttatttc	ctcctcacct	ctttttggca	180
tcagcggcaa	atcttttcat	gaagcccca	ggacacaaaa	cattttccca	tttaaaggaa	240
aacactctag	ttttgcaagt	atatgcatac	aagagacttt	agattgatct	gcatgaagat	300
cacagttaag	tatacaggag	tagaactgca	ttattgcagc	ctttttgttc	acttataaat	360
ttctctttta	aatagatgga	gacaaaggac	aaggtgaaat	gtatcaagtc	aaagtgaatc	420
atttagttga	ctctataatt	ctaaggtcaa	aatggaaact	gatagttttt	taaattaaaa	480
aatgtataca	cctaacatag	aaaattaaag	atagctgcag	accattagaa	ataatacaat	540
tgtttttggt	tacttttact	ccatgggcat	tgaaaagggt	aagaaacata	aatgggtccat	600
atttttaaag	taaagtagca	tgcatatata	tatgcacaca	cacctctttt	tcagcatttt	660
ttgagaaagt	cttggggtct	caaacacatt	tgtctcaaca	catttccaaa	tgtggattct	720
aatagctcan	tgtggctgaa	aaagtgcna				750

<210> 5076
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (761)

<223> n = A,T,C or G

<400> 5076

```

agngnnnnnn ntntctnnn ctactanctg nttggntggt gtttctgcan gcaggcnntc      60
gattctaatt ctgccgnacn cgngagtaaa gctggaaaat nacctataaa taatggcana      120
aaaaaagcta acaatangga agaggaaacta tataaaaagga acatttggag catagaagag      180
agttcatgga aatgtnaaaa atgatggtac cctgggtttg atatagtaag taaaaaacta      240
agggtaaagag ggtcatgaaa gcatctagaa gtaggaggga aagccagtca aattcacagg      300
atgaagtcag gaagataatn gagcagtgcc cgcaagatcc tgagggaag caagttccaa      360
tctataagtc tgtaaccctc acacctgatg gccccttgaa catattcagg gcttcaaaag      420
attgatctgt catgcaccgt ctgccatgat actgtgtgag gatgtgttct tcttcttaaa      480
cattaaatca agaaagaatc aacagtggac ccagttaata gcngatcagc cnaggataag      540
atgccctaga agatggtgaa gggaaagtct cagaactact ggtcttcagc aggcagcgaa      600
gacacctgat ccatattgga ntgggtggga tgccaacttc aggaagggat gcccccaagg      660
aaaaattggn aaggngtgat gactgncttc aanaggttcc aggtctttta aaaattttcc      720
ctnccaaccn tcacntttgg ctttngaaan ccnccgctga t                          761

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<210> 5077

<211> 765

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (765)

<223> n = A,T,C or G

<400> 5077

```

agngnnnnnt tttntctctc gcctaagtct tggctacttg ttctttttgc aggatcccat      60
cgattcgaat teggcacgag gacnancctt ngcgctgcc tntccangat gtctacanaa      120
ttggtggtat tggtagtgtt cctgttggtc gagtgagac tgggtgttctc aaaccnnta      180
tgggtgtacc tttgtctcan tcaacgtttc aacggangta aaatctgtac naaatgcacc      240
atgaactttg agtgaagctc ttcctggnga ctatgtggnc tncaatgtca agaattgtgc      300
tgnaaangatt gtcccgncca aggcaacgtt gctggtgacc gcataaatgn cccaccaatg      360
gaanecatctg gcttcactgt tcangagatt atnctgaacc atncatgcc aataagntnc      420
cgntnatnnc cctgtnttgg attgccacac ngtttacant gcatgcaagt ttgntganct      480
gnaggaaatg attgaacnnc ntctgnntan aagntagecn atggccctan attcttgac      540
tctggtnatg ctgncatngc tgatatggtt cctgnaagc ccatgactgt cgaanagctt      600
ctcaagacna tncaaccttt ggntcncttt cgtgctacga ggatattgng caccggacag      660
ttgccgnagg cnttttgatc aagggccntt ggacaaaaaa gctggtcgaa cctggcnaag      720
gtnaaccaan ncttccccct aaaacttcan naaggmnaan tgcan                          765

```

<210> 5078

<211> 969

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (969)

<223> n = A,T,C or G

<400> 5078

```

annnnnnnnn nnnngncnnc nnnnnnnnnc nnnnnnnnnc nnnnnnnnnn ncnngnnnnn      60
cnanncnann ggggnnnncc gtnnaaaacc ggtngcccn ggcncgggc gggngggcnc      120

```

```

nnanccgaat ncngcacgna cggggccgnc ggngggaccc tgggntgggg gcnagaanca 180
nccgacgcng gccagaanag ggggnctggg gncccaagan agaanncatg antagnacac 240
tgganacnaa anccgtgtgg ggacacatga ancccnanc ccatgngtcg nancctgccc 300
anaagtgant gtgnagntna ctggaagttg gggntccaac cgncaaaccg tgggatccca 360
aaacnncang ncaagccagg accttngcac agcccgnaaa ggnanatncc cnctnaanng 420
tctngagacc cgggntgnct gggggaaaca gcaggcccg acantgnng gngtngggac 480
ttancggaaa catgggtaac gtngcancag cgccacggga gtccaacccc tgaaaatacc 540
cagantctgc gtgnanancc aaccgngnnc ccaaaacaaa gcnaggggnt atgggnttaa 600
aancccnnga nttnaanagc cncccgnggg gnaannangn agnntttttg ggancccaaa 660
ancccnngga gggggcccag ganncgaaaa aangnatncc cnttnaaaag gncnccanga 720
actnanaaag gganaaccan nntnccnggc ccaatntnac ccccaannca aatncccnnt 780
tccgtgcngn cccaatnadc cnccnagtn ccatntggcc ncnagngng ggggnncnc 840
aaangncttc ttgnaaacan atnggggaaa ccntttnacc aaaaaanngc gnannngggg 900
cccaatancc accgggnccc ccccanannc annggccann ancntgggccc tccaaaaaaa 960
agaaanngg 969

```

<210> 5079

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (748)

<223> n = A,T,C or G

<400> 5079

```

agagnnnnnn tttttgtctc taatggctgg ctacttggtc tttntgcagg atcccatgcg 60
attcgaatgc ngcnegaggc nttagttgct nnttgaaaag ggaactgcac ntgatcnnat 120
catggaanga tagctncact ncttnccgac cttggtcaca ggccgncatg agganggact 180
gttccantgc tncngngggc nctgnctgn tntcatcac tggnccttagc tttggagtac 240
ncaactccaa gtggcccag tctagactct atcaaatncc acactgatag caacaatgan 300
tgcactctgat gtgtgctgct ggcnatctta agcccaaat gcttcaaaga tnaaacagnc 360
atatacattn aagatacata tanaaatngt nnaattngaa tgtatacaan ntagattacc 420
ctaacgaact tcaactacaag aaatncatct tatatccnng cacnnaaatg tgganntnta 480
catgaaagga tataccggtt nanaaaccac atnccatntc taaatgctga ntgagaaggc 540
ntggactact aaacctggat tactgatnaa atttcaaan gancttgatt ttgctagcag 600
aaatcnttac ccngttctcn agcttctata ancagttctt gaagggatta nacagctggt 660
cctctntcca aattctggat taatttcagc tgtgtatttc cnannnaatc tttcagcctc 720
tagaactata tgagtccgnt tacgtann 748

```

<210> 5080

<211> 949

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (949)

<223> n = A,T,C or G

<400> 5080

```

gncntacttt nttaactntan cactctgctt tncgtcatca tegantccta tnatgtgggt 60
tnacctnatg cgggmntaan ccagnaacan cntggcccat gttnccntga actcacattn 120
tgttcatgna ttccagaatt ntnnantgga nagattaata gncagaaacc ccactaggna 180
canatcacna nacngacgct tntagcttgn agacctntta ggcanaaagt annaannana 240

```

```

ntnggatctt gcngnecctta atctcttccn ggaananggg cctatagntg gcnacttgga 300
aaacacggcn ctgntccann gtttnntgcc ccnnaccoga gacaccacna gtgtcacctc 360
caaggggggn cttcaaannt tgggggtgcgc ccggtacctn ttgaaaatga aggtcncccc 420
caaatggggn gngagttnc catncctcgc cccttgnggg ttnatttggg ngaacctcnt 480
tggncctctn tttttacttt tagggggcan cccccatttt cncctttggg acccccttng 540
gattttgtcn ccttgggaaa acaatttttc ggggnccaaa actttanaat tnaannttgg 600
tttanagcna anantgtggn cccaaaatgg gtacangggg gttnccccaa caaaagccgg 660
ctctttttga tattgcatac ctcaatnccc acttgtcaat ccttttttaa ttactttanc 720
ctctaacata atgaatntta ncgcccctnan aattccntcc tganatacat gtgangcctn 780
ttgcctgana aantgacacg aatnatTTTT naanngatct nntgannnnc nctcancata 840
cgatatnta cntctngnct tnagaanact cttttattnc ctggnagatn aaaanggtan 900
cantntaang ctntnttgc atcctcanag ganttaange tataaaann 949

```

<210> 5081

<211> 779

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (779)

<223> n = A,T,C or G

<400> 5081

```

ngnttnaaca cctgntgtcg ttctgcagga tgnanganen ctngnttcga anngcnang 60
ngtgcgatgat nctgnccnnn nattgctagc gntaanaccc ncgagggagt atggatncc 120
gnaaagcnct ctggctcctg ggaanccnnt ccttnngtgc ntnttattac tgnaatnnt 180
canaagattn tgagatgtc ncagtgtcnc attgctactn tnattgtaat cattatggga 240
ttgatacgct gtcanaanta ctgccagcgg cagctggagt tgcttngcat ttcacagtac 300
anacagnaga ctatgtnaat aatnggcaga anaattctac tnngetgtgg aattcccaaa 360
ctaataatggn ccagaaacta gctaactnaa tcanttatgt ccaacaaact gtaatgnggc 420
taggagattg agncgttagt ctagaatata gaatgcagnt acaatgtgat tggaatactt 480
ctgattnttg cattactcct catctgtata atgaaagaca gcatgagtgg gaaagagtta 540
agaaacatnt gaaaggncat actggaaatt tactttagat attntgcaac tgaaggaaca 600
antttttcaa tctttctttg gcacatctgg acacttaatg ccaggaactg aagttgcttg 660
gaaggcgctt caaaatggga ttaagcaact attnacccca ttaaaaatgg atcaagacca 720
nnaaactana anaaaaactc gaacctntta aaaccattan tgangtcgga ntaccttan 779

```

<210> 5082

<211> 935

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (935)

<223> n = A,T,C or G

<400> 5082

```

atggggnatgg nnnnnnnnnn nnnnnnnnttt ttttgtttaa aaaccccttt naaaaattgg 60
gnaccctttn nggggntnaa attanaatcc ctnttgaggn ncttnntacn ctccctcnaa 120
naanttaana cactantatg gccgtntttt tcccnccnta cctttgntnt acaccccat 180
tgtgcnaaaa gntnncgcaa nnggtnncca ccaaactntg acannctcta tagtaanttt 240
acnacnncac ttgnncactt cgccanctct tnaacgcan actagtagca gaagtactcc 300
acccttnaan aaaacanaca actaangccc ttttactgcc ctcatcatcc nnttangnac 360
ctgcttacct atgaatgcct nttanacata canatntaat acctggaaaa tcatccaccc 420

```

```

ngccncata ttcaaacnan acaacacatc cnnacactag anactcttgc cccacatcc 480
tcaggtnena caaaacanaa aaggnttnct ncnatanttt cttactggcc ntncctgaac 540
tangnaccgc atncaaacca cntcatcnct tantannttc ncttgetcct tagccagctt 600
ctgncctgan aaccnccaan ctggaaaaac acatctnccn anatccattn cttgngatca 660
caaanacnnt nnnccgcggn ctcaannncc tactcaaaga tccactgtcn catctgnccc 720
cctanacccc tttncntang cattcctaac tttntanaca aactgcttta cncttagtnc 780
anggaactnc taccttgcac catcnccnt tttntcnatna ctttcttcct ttgatcccta 840
cncttcaaag ggccttnnga ancnttgacc cnanaatnaa atttaattcc ccnttnttgg 900
aggngtcctt cnaaaccnan tttntaaaca ccccn 935

```

<210> 5083

<211> 752

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(752)

<223> n = A,T,C or G

<400> 5083

```

ggnnttnaan ntcagctctt gttctttntg caggatccct cgattcgaat tcggcacgag 60
gcaagacagc cacatttget atttccatcc tgcaacagtt ggagattgag ttcaaggaga 120
cccaagcact agtattggcc cccaccagag aactggctca acagatccaa aaggtaattc 180
tggcacttgg agactatatg ggagccactt gtcatgcctg cattgggtgga acaaattgtc 240
gaaatgaaat gcaaaaactg caggctgaag caccacatat tgttgttggg acaccggga 300
gagtgtttga tatgttaaag agaagatacc tttctccaaa atggatcaaa atgtttgttt 360
tgatgaagc agatgaaatg ttgagccgtg gttttaagga tcaaattctat gagattttcc 420
aaaaactaaa cacaagtatt cagggttgtgt tgctttctgc cacaatgcc aactgatgtg 480
tggaagtga caaaaaattc atgagagatc caattcgaat ttcttggtga aaaagggaaga 540
attgaccctt gaaaggaaatc aaacagtttt atattaatgt tgagagagaa ggaatggaag 600
ttgggataca cttttgtgac ttgtacgaga cacttgacca ttacacaggc tgggnattttt 660
ctcaatacna ngccncaagg gtggacctgg cttgactgag aagatgcacg ccnngagact 720
ttacaggttc ttgcttntgg cttcgcgga at 752

```

<210> 5084

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(728)

<223> n = A,T,C or G

<400> 5084

```

gngngnnnnn nnnnnnnnnng nnnnnnnnnn gnnngttttt taganacagc tcttgttctt 60
tttgaggat cccatcgatt cgcctacnc aagngtnag ccnactncnc ntcaannnna 120
nactgggcan ggatnagact catannaaca ttgtgctgca ttgagaccn cagattcagg 180
gagccatcac cactacatgg canattgtga tctataaatt gctggggcat natcacatgg 240
ntccattntc nnaatggnc aaggatgctt cactatcga ncngggctat gttnagtatn 300
cctggtcatt ggctaaactc atagctnanc gtaancggan tataaccatt gacctatgct 360
ngtggacatt tgacaccatc agtgtactta tnngantgat cactgatgcc tcatgacacn 420
gacctttatc aaaggacatg atggccaggc cctcttgang cntaccgtgc tatcccngaa 480
tgttgctnct nctntngggg aattttcaac ctgaggntnt gaaataatgg ncaaactcac 540
cancatggct tganggcnta cacactggnt gtnaaacaac taattgactg ngatacagaa 600

```

ggntncnntg	ncnacttctg	naggatagat	ctnagaattn	tttagctgta	ggctacntna	660
gaaatcggta	cacctccat	cganaggcca	tgatgtcnat	ngtacacaac	tnaccatnnc	720
ttcatgta						728

<210> 5085
 <211> 870
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(870)
 <223> n = A,T,C or G

<400> 5085						
gagaagngna	ntnncggana	gnnnnagtnn	gccagttcca	aaccnggaaa	cgccntcgc	60
aagngggngg	gnnggnacnn	gnaaggcgca	nccggnnccac	cnanccgngg	ncccnaggac	120
caggnccgca	cccnncangc	gncnantgga	ccccaaaggag	ctcnannngcn	gcnnacancn	180
annaccgggn	ncacannngt	agcaagaaga	ggggancgnc	aagcagngga	aagcagcngg	240
cgaacancaa	nccgangnan	nannanacag	gaacacccga	naaggaagcg	gacctatanc	300
cnangcccac	aaganaaaga	caccangnnc	catgcttacc	anaggagagc	aagcnnaatn	360
gacanccnac	ngcanngaac	ctgnacacgc	ggatggacac	ccngcgcgng	nngngaata	420
acggacggac	agncaactan	gcccaaaang	canngccaan	ggngngnccg	ccaacnggg	480
acagtgaaca	agnngcnattg	nggngngngcn	ggannacacc	ancatcnnaa	nggcannagn	540
aagcaccgnc	nagnncngga	cannanagcc	ctgcnangng	ancnccnaac	cangaacana	600
nnanggnacn	angaannnnan	caaccnnnnn	ggggaanaaa	acccanccac	gangaacaan	660
ngnaccngg	accgtnggcc	cananaaaac	gngncncnaa	ggncacgant	cncanancgn	720
gggcccnnna	cnaagcncnc	catcnanang	ngnnaagctc	cgnggcgagc	anannggana	780
cnacaccac	gnnnngacac	ggaaaaccac	cgncagaaac	cnnacnggan	cncccanang	840
nggncancna	ancaanagng	ccnccncccc				870

<210> 5086
 <211> 870
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(870)
 <223> n = A,T,C or G

<400> 5086						
gagaagngna	ntnncggana	gnnnnagtnn	gccagttcca	aaccnggaaa	cgccntcgc	60
aagngggngg	gnnggnacnn	gnaaggcgca	nccggnnccac	cnanccgngg	ncccnaggac	120
caggnccgca	cccnncangc	gncnantgga	ccccaaaggag	ctcnannngcn	gcnnacancn	180
annaccgggn	ncacannngt	agcaagaaga	ggggancgnc	aagcagngga	aagcagcngg	240
cgaacancaa	nccgangnan	nannanacag	gaacacccga	naaggaagcg	gacctatanc	300
cnangcccac	aaganaaaga	caccangnnc	catgcttacc	anaggagagc	aagcnnaatn	360
gacanccnac	ngcanngaac	ctgnacacgc	ggatggacac	ccngcgcgng	nngngaata	420
acggacggac	agncaactan	gcccaaaang	canngccaan	ggngngnccg	ccaacnggg	480
acagtgaaca	agnngcnattg	nggngngngcn	ggannacacc	ancatcnnaa	nggcannagn	540
aagcaccgnc	nagnncngga	cannanagcc	ctgcnangng	ancnccnaac	cangaacana	600
nnanggnacn	angaannnnan	caaccnnnnn	ggggaanaaa	acccanccac	gangaacaan	660
ngnaccngg	accgtnggcc	cananaaaac	gngncncnaa	ggncacgant	cncanancgn	720
gggcccnnna	cnaagcncnc	catcnanang	ngnnaagctc	cgnggcgagc	anannggana	780
cnacaccac	gnnnngacac	ggaaaaccac	cgncagaaac	cnnacnggan	cncccanang	840

nggncancna ancaanagng ccncncccc

870

<210> 5087
 <211> 759
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)... (759)
 <223> n = A,T,C or G

<400> 5087
 agagnnntnn ntntttgaat cctaattggt ggctacttgt tctttntnca ggatecccatg 60
 cgattcgaat teggcacgca ggggcgncgc atcttgtggn tcantnncta tgctnctcc 120
 cntgaccacc cgacagacgt ggactacang gtcatgntca cngntancga attctacacc 180
 anctgatng gctttgacaa nntccnctn tancagttgt ncaaaccac tatnncngcn 240
 aactcgaggg tcangccnaa cngtaacnat ggccagtgg ggnacctacg caactgnact 300
 ccganngttg tatggagaaa ctggtagacn tcaaagactg cctntccgct tngtggtnc 360
 ngnacagag gangangtcc tacgtgnntg agggtnccnc cnttggggtt atnnnancgn 420
 antaggnnta ncctggacn gantggagg cgcatgacan cacatgatgc tttntgagg 480
 cctgaagatn atcntgancn acangtgtcc ngtgangccc tgtgantnca ttatcatgta 540
 gatttaggtg gangaatgnc ctgggacana tgttgtaca tagnggccac ctatganttn 600
 acagantatc tcataactna tcagattgct tnacngtctg ggnancnaac tcactcattg 660
 gnaanntctt gcatgctatn cccaatgggt ggatngcctt nancttaaan ataangntgn 720
 tttttatcaa nngggcanan aaaccgtntt annggggt 759

<210> 5088
 <211> 738
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)... (738)
 <223> n = A,T,C or G

<400> 5088
 gaattgctct gtgtttttgc aggatccatc gattcggnag tgnagnagg cncacacnt 60
 ntngataaaa tgcactnnan nnctncgcc ttgaanttcn nnaggggtca nnnctnctac 120
 tcacnggnag gngngccna agananctgt gggtnctgnt ggatnaannn gtnattgacn 180
 gccctggntc gntcaaaaac ncnccctag tcntcangct ncagggtnag gnacanaeng 240
 aatntacntc tcctntgnga ggnatcntac tattncgtna tggnnancnt aatgctccac 300
 annaangtgc ngtnagactca cgtgctacg actctcgaga cnnttcntag aagatcattg 360
 tcntctntac cncnntngga acttnaacta tgtattgana naaccttgag gatgctatgt 420
 ggccacagat tcctntattca atggaaaacg nccnctaca ttatgcangg gnnnctttct 480
 gaatcgtgtg gcacntcntt catggggctc naatnngccg cttnaancnc aaatattggg 540
 cgcttgacn gctttgacan tgtgtaannt ctngntngc nangetatac ttggacccat 600
 ttgccctgta tnggcccttn gcaatggntt cntttcnaag tataactacn ancttncaaa 660
 tggnaaggt cctgatnntt nccattttgc naacgtgctc atttnaanac tgactgnaan 720
 cgtttttgac aaaanaat 738

<210> 5089
 <211> 856
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (856)
 <223> n = A,T,C or G

<400> 5089
 gngnagnnnn nnnnnnnngnn nngnnnnnnn nnnngnnngtt tntnatanca ngctcttggt 60
 ctttttgcag ggatcccatc gattcgaant canctcganc atggannncc tcncctcagc 120
 antcnnatgn gcnnccctngg cnagntcacn nttgctgctt nagnnnnttnc tgtcnntncn 180
 aattntgnaa ngnccttnaat gtgnnannaa tcaggaaaat gctncntnca annctttagn 240
 ntttnaacn tccatattct taacatntgn gacatnccat gggatgcnat taatattcaa 300
 ggnttttatn cggactnaa aaatanacac ttctaccngt caangttcng aaanancgat 360
 catncgcntg aancatngna tgttnnatanc aacctntgaa nagntnctca tttncacctg 420
 aaatcatggc actnatagca acctttntan aaggctataa aaanggactt gaatgtncna 480
 attgcccaag aagagcgcta cccttcggga aggggaancc tgaatgttgc aacctctggg 540
 gataataant acccttattg tcaagaaaat ggcattgggg ggcacattca tntgaatttn 600
 ggacctggng actccttacc gaaattccca nccaggttcc acnaatggna atttgaagnc 660
 ccgtttgnct ntctcngggac cagtggggaa aagcaattaa aaggccaaaa tccttccnaa 720
 acctttntca aggggttttna gnaaagtncc cacatgggtt nnnaaaggct ttaaggactt 780
 gcnnttgga aangggnaaa aaccntttaa attgtaaggc ccaanggatt ccggaatacc 840
 gccngtaciaa taaaaa 856

<210> 5090
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (721)
 <223> n = A,T,C or G

<400> 5090
 ggnttttnat cagctcttgt tctttttgca ggatcccatc gattngaatt cggcacgaga 60
 gaaaaatcagg gatgtattag gaaagtaaca gtctctcatc aagaagccct ggctcaggna 120
 tatgaataac agtactgtgg agaggcccta tggatgccat gaatgtggaa aaacttttgg 180
 tcgacgcttt tccctgggtg tacaccagag gactcatact ggacagaaac catatgcatg 240
 taaggaatgt ggcaaaacct ttagccagat tncaaacctt gtgaaacacc aaatgatnca 300
 tactggaaag anaccccatg agtgtgacga ctgcattcag acnttcagtt ncctttcatg 360
 gnttantgaa cncnanta cgcncactgn ggngaancct tangnatgta ctgagtgnng 420
 aaaggccctt anccgagcct acaacctcac tnggcntcag anaanncaca tntgagggaa 480
 acactatnta tgtanganat gnggnnnnnc ntttannact ggctnagaac tcnntngccn 540
 cnaattaca catactgaag nnanaccttn nngatncatn gnatgtgnga aaggcatnt 600
 gccgtttctt gcaccttact ccnangtcat ancntnccta caactcaaaa cccntnttg 660
 aatggtgcng aatntagaga aagncttttc gnnngaattc cnttntctnt nnaaannatt 720
 c 721

<210> 5091
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (760)
 <223> n = A,T,C or G

<400> 5091
gagnnttttnn ccncnngaaa gcccttctga aatngcttgg gnaggtegnn ctnnncncna 60
ngcagcnana ngcgttggcg aattcngcac gcaggcaana ctttttcctg gggcaggggn 120
gtcagcnatt attnaattgg attattncta agttngctan ntgggncann tgtgnngagn 180
aggagntn cctgccacnt nttctgntnc ccncttctg cccacacatg cagcatccaa 240
agtccattna ntnaatgaat ggacanagt ccgagcanac nggggcnaa ncangnncnc 300
agtcnagca tccngntcn taggnaaagt ggtgaccgnt cncggnggga cntgccnaan 360
ccctgnnaca cagncggnca cnntnnangg acnngcann ctnggatgtg cctcaggaaa 420
aacagggcna gccttcnagn nccgnatacg agtnncnggc cttananncn anaacaangg 480
cnctnacttg cngcatgctt cactattctt tnaggcacat atatnttntc ttattagntc 540
ctcncatccc atgagggacn cagtggctna tgcttgggaa ancnngcctt nngnangtca 600
aagngggagg attgctcnac ctaggaannc aagaccacgc tgggcggnat antgngaacc 660
cancggtacg acttgaagaa aaatatccta ancnngcctt tactaacttt agngngcnca 720
attacgtaag anccanacgg atcagtttca aatnaggggn 760

<210> 5092
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (766)
<223> n = A,T,C or G

<400> 5092
nnnnnnnnntt nnnnnnnnnn tnnttttnan nnnnnntttt naataattgc tattgttctt 60
tttgaggat cccatcgatt cgaattcggc acgagccag cccacccca gccccaaagg 120
aggctgttcg agagggacgt cctccggagc caacccacgc caaacggaag aggcgtctta 180
gcagttccag ttccagctcc tctcttctcat ctctctctc ctctctctcc tctcttctt 240
cctctctctc tctctcttct tcttcttctt cctcatcttc ctctctctcg tcttcttct 300
ccccttcccc tgctaagcct ggccctcagg ccttgcccaa acctgcaagc cccaagaagc 360
caccctctgg cgagcggagg tcccgagcc cccggaagcc aatagactcc ctccaggact 420
ctcggctcct cagctactcg cctgtggagc gtcgcgctcc ctccgcccag ccctcaccac 480
gggaccagca gagcagcagc agtgagcggg gttcccgagg aggcacagct ggggacagcc 540
gttcccccag cacaagcgca ggagggagac acctagccct cggccatgag acaccgntcc 600
tccaggtctt cataaattgt ctttggggga ttccaccaca cccaatgtct tggagccaca 660
aggagtgtnc cttnttccca cagaccgtgg ganggtcctt gctgctttct ttgaacttgg 720
cagccttgga tgganggctc ctttncctcc cttttttttt ttttgt 766

<210> 5093
<211> 851
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (851)
<223> n = A,T,C or G

<400> 5093
gagaagannn nnnnnnagaa agnnnnnnnn naggnaggtt ctaaantctt ggctatcgan 60
ctctnagcag gagcccatcg attcgaattc ggcacgaggc gggcgctagg cgcgcgcacc 120
cagcactnng tcccagncga nanatctggg gcagcgcgag gtggaagctg cngcngann 180
ggancanttc tggctcacga ccttgacgct agcgcgnnta tcangnggaa accncgnnnc 240
cacnnaaca aaaagntggc tggatgtggt gncncncata cctggaatcc cagcnctnt 300

```

agcggcnnaa gcatcagaat cacntgaacc canaacacag gncgcncctga nccaagattg 360
tgcccctgca ttctagcctg ggtgacagtg anacnggctc aaaaagataa aggtgtacag 420
ggantgtata ttcagacaac ntggatgga agatgtgcta cnnctantgn nccangctga 480
tactaagtna acactcnnta cnatanagan ggagatntgg gacncatagg actgnggnca 540
tnttaattan ttcangantg ttttccacna gcnnttaact ggatttcaca ttanagaaac 600
ntttncagg accctnnaac gggtaaattn ccaacggann nctccaaatg taccaatttt 660
antgccccga atnggggaaa ttncnacang ncccttttnc anggtatgna canagnactt 720
ttaantnacc cnccantcaa cctnnnacca nttntttan tccangncan nctaccagtt 780
gtncnaccac aaagnttttn aagncccatt nnnnttngtn aatnnnnngg nnaaacccnn 840
nnacaaattc n 851

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<210> 5094

<211> 731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(731)

<223> n = A,T,C or G

<400> 5094

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cggctcacat tgcattgcaag tttgctgagc tgaaggaaaa gattgatcgc cgttctggta 120
aaaggctgga agatggccct aaattcttga agtctggtga tgctgccatt gttgatatgg 180
ttcctggcaa gcccatgtgt gttgagagct tctcagacta tccacctttg ggtcgctttg 240
ctgttcgtga tatgagacag acagttgcgg tgggtgtcat caaagcagt gacaagaagg 300
ctgctggagc tggcaaggtc accaagtctg cccagaaaagc tcagaaggct aaatgaatat 360
taccctaat acctgccacc ccaactctaa tcagtgggtg aagaacggtc tcagaactgt 420
ttgtttcaat tggccattta agtttagtag taaaagactg gttaatgata acaatgcac 480
gtaaaacctt cagaaggaaa ggagaatgtt ttgtggacca ctttggtttt cttttttgcg 540
tgtggcagtt ttaaagttat tagtttttaa aatcagcttt tttaatggaa acaacttgac 600
caaaaatttg tcacagaatt ttgagaccca ttaaaaaagt taaatgagaa aaaaaannnn 660
nnnnnnnnna aaaaaactca gcctntaaaa ctntnnngag gcnttttcct anatcccacn 720
tgataaganc t 731

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<210> 5095

<211> 755

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(755)

<223> n = A,T,C or G

<400> 5095

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gnnttttnnn nnnnnnnnttt taagnaattt gcnaactcgtt ctttttgcag ggatcccatc 60
gattcgaatt cggcacgagg attacatagt gacatatatt agcttttcgt ccacatttga 120
taacattgct aatattttct ttttttttta ctgaactctt tgaatttaaa gttttctctc 180
atttaaattt attaatataa aacatacctt tactctgttc cctttagcat ttcaacctga 240
tgttaaaaaga tgtgtatgtg tgatatgtgt gtttgaaatt ttaactttca tcttgagta 300
tttaattctc tgaagcagt catgactctt gctcttcagc ctcttgagag tgtccctggt 360
ttatattcct gatgatacaa accctggaat ttcttgtctg aagtgtnaac actttatttc 420
caggtcccaa tttgatttga atagtggaag ttcagattca atgcattaat gacagattct 480
atgttgcttc ttcagatttg ccagacagaa aaacctactt atgtgaggaa atcattaggg 540

```

tttttgacta	tcctctttgt	ataatgagac	tcttttctca	ttagatgagt	aaaaagatcc	600
agagatgac	accagtatcc	cccagaattc	atatatat	aattgaaaag	aaacaaatnc	660
tgggattctt	tnctaaaaan	ggtggattac	atttcttgnc	tgnntgnaca	tctttgnta	720
acngnaagaa	aaataaaaat	attnattttc	caccc			755

<210> 5096
 <211> 777
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (777)
 <223> n = A,T,C or G

<400> 5096						
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agagcgggnt	ttntnntgnn	tgccnctcat	ttgtngnann	nantngactt	nataatntng	120
atgatnnann	nanatangnt	atgagnnatn	cacatnnnat	tnangntgna	nnatattcna	180
aggannann	tnncagacn	ntggntggnn	acntntcana	tngtttagac	tnngncaaag	240
gnnangtnac	aacggatnng	accncaccta	nactgagann	acctggance	tcagnatcna	300
tcnggnaatc	gctcacnnag	tatacttnca	ncagnanntn	taaccttaga	tactcgatct	360
taaaactggn	tatccantnt	aaaaacngtc	ntttcngacg	gntgtntnnc	atcaancagn	420
nnatctnnaa	atctgnncan	aggancgntt	ttaaactcat	nnctggaatc	ctcagatnna	480
ggacccatnc	angnaggntt	gancntgnnt	gccctgttag	cacgnanttc	canntgngtn	540
aactctcaca	atnggtttna	agaacncnaa	aggetggccc	ntgntcntat	gagtgtattct	600
ccctncttat	ctngggngnc	ncnattnaat	ctttggaaac	cnaannttcn	ntaatggtn	660
cccactggtt	nggaaccaat	tngaactgca	ccttcngtn	cctttantng	nggcaaacca	720
aancatnctt	tancattcca	tttgaccctn	nttttttacn	ttaanacnan	ccttgac	777

<210> 5097
 <211> 761
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1) ... (761)
 <223> n = A,T,C or G

<400> 5097						
aggntnnnt	ttgnnnctaa	tggetggcta	cttgttcttt	ttgcaggacc	catcgattcg	60
antgangctc	nagcaggccn	catgagatcn	cctgctnggn	ncnttgnnt	ctnatggcca	120
ctgntatcnn	agcctggnnc	tgaagggtga	ngctcacgcg	ncggagggtc	nttgagaccc	180
agnctgcttc	natancagtc	cggtcnctca	nanctcccac	tggtanacnn	ncatgtagnc	240
actgntgcag	ctgactgcng	nancnncntn	tgtggncaca	ntaagattcg	ccgngccttg	300
cntgannann	tactnntnat	atcnatgant	gctgntgan	nagaactngc	nnntcnatgn	360
ggactgtctt	cagnacccta	tatggcntec	ntggntctgt	tnccgngac	natttngcga	420
cngtnaatgt	gccncattgt	gctctnatgc	cattcnatac	tagattccac	agaaggagac	480
cntgcgatnt	gcttaaatan	tgtgntgaa	nagctnntac	cgaatcnna	nagttcataa	540
aacgcctcct	naggcagant	ctgtnatcnt	cngtagcatc	ccnaatanga	tcgatatgct	600
aacntacaac	tgatgncctg	ngantaatca	anntcttnat	ttantatcaa	tgaatgctg	660
ctcctggaac	ttaacctgga	atggtgcagc	tncaagcttn	gtcngcgtt	cncancttgg	720
tncccgattt	ccnggccact	tannccnttt	gaaanttccc	t		761

<210> 5098

<211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(761)
 <223> n = A,T,C or G

<400> 5098

aggnntnnnt	ttgnnnctaa	tggttggtta	cttggtcttt	ttgcaggacc	catcgattcg	60
antgangetc	nagcaggccn	catgagatcn	cctgctnngn	ncnttgmnnt	ctnatggcca	120
ctgntatcnn	agccntgnnc	tgaaggtgca	ngctcacgcy	ncggagggtcc	nttgagaccc	180
agnctgcttc	natanacgtc	cggtcnctca	nanctccac	tggtanacnn	ncatgtagnc	240
actgntgcag	ctgactgcng	nancnnctn	tgtggncaca	ntaagattcg	ccnggccttg	300
cntgannann	tactnntnat	atcnatgant	gctgnctgan	nagaactngc	nnntcnatgn	360
ggactgtctt	cagnacceta	tatggcntcc	ntggntctgt	tnccgngac	natttngcga	420
cngtfaatgt	gccncattgt	gctctnatgc	cattcnatac	tagattccac	agaaggagac	480
cntgcgatnt	gcttaaatan	tgctgntgaa	nagctnntac	cgaatcnna	nagttcataa	540
aacgcctcct	naggcagant	ctgtnatcnt	cngtagcatc	ccnaatanga	tcgatatgct	600
aacntacaac	tgatgncctg	ngantaatca	anntcttnat	ttantatcaa	tgaaatgctg	660
ctcctggaac	ttaacctgga	atgggtgcagc	tncaagcttn	gtcgnecgtt	cncancttgg	720
tncccgattt	ccnggccact	tannccnttt	gaaantttccc	t		761

<210> 5099
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(781)
 <223> n = A,T,C or G

<400> 5099

gngntgnnnn	nttnnnngnn	agnnnnnnnn	ngnnngcttt	ttagatcagc	tcttggtctt	60
tttgcaggat	cccatcgatt	cgaattcggc	acgaggaaat	gacaagatcc	cacaaaagtg	120
ctgcagatga	ttacaataga	attggttctt	cattatatgc	tttaggaact	caggattcta	180
cagatatatg	caagtttttt	ctcaaagttt	cagaactggt	cgataaaaca	agaaaaatag	240
aagcacgagt	gtctgctgat	gaagacctca	aactttctga	tcttttaaaa	tattacttaa	300
gagaatctca	agctgctaag	gatctcctgt	atcgaaggtc	tanggtcact	agtggattat	360
gaaaatgcta	ataagcactg	gataaagcan	gagcanaaaa	tcaagatggt	ctacaggccg	420
aacttcccaa	caattatggt	gtcagaaatt	tgaaaaaata	tctgagtctg	caaaacaaga	480
acttatagat	tttaagacaa	gaagagttgc	tgcatcaga	aaaaattagt	ggaactggca	540
gagttagaac	tgaagcatgc	aaagggtaat	ctacagttgc	tgcagaactg	cctggcagtg	600
ttaaatggag	acacattaag	ccacacttcc	gnctttctgg	ttaaaaangg	ctggcctttc	660
cttcaaattt	tatttttggg	tttcttaaat	ggatggttaa	gccttttatg	cctcactggg	720
aaaccaaacc	aaaaagccac	ttggaaaaag	gtgccntnaa	cttcctcttt	tttctggaag	780
a						781

<210> 5100
 <211> 797
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1) ... (797)
 <223> n = A,T,C or G

<400> 5100
 ttacnatnan tgtgcttgan ggcttggncc naaananatt ggctntggcg aattcggcac 60
 gaggtgagaa ggtaggtcc ggctcagact gaataagaag agataaaatt tgccttaaaa 120
 cttacctggc agtggtcttg ctgcacggtc tgaaaccacc tgttcccacc ctcttgaccg 180
 aaatttcctt gtgacacaga gaagggcaaa ggtctgagcc cagagttgac ggagggagta 240
 tttcaggggt cacttcaggg gctcccaaag cgacaagatc gttagggaga gagggccagg 300
 gtggggactg ggaatttaag gagagctggg aacggatccc ttaggttcag gaagcttctg 360
 tgcaagctgc gaggatggct tgggcccgaag ggttgctctg cccgccgcgc tagctgtgag 420
 ctgagcaaaag ccctgggctc acagcaccac aaaagcctgt ggcttcagtc ctgcgtctgc 480
 acccacatt caaaaggatc gttttgtttt gtttttaaaag aaaggtgaga ttggcttggt 540
 tcttcactgag cacatttgat atagctcttt ttctgttttt ccttgctcat ttcgttttgg 600
 ggaagaaatc tgtactgtat tgggattgta nagaacatct ctgcactcaa gacagtttac 660
 anaaatnaat gttttttttg ctttttcaaa aacaaaaann tcntaaaaaa cctcgagccc 720
 ttttanaacn tattantgag tccgtattta ccttanaatc cagaccctga ttangatcca 780
 tttgntnaag nnttgct 797

<210> 5101
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (752)
 <223> n = A,T,C or G

<400> 5101
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 aacagatcct ctgaaatttc aaatngaaag aaaagatatg ttagaaagga gaaaagtact 120
 ccacattcca gagttctatg ttggaagtat tcttcgtgtt actacagctg acccatatgc 180
 cagtggaaaa atcagccagt ttctggggat ttgcattcag agatcaggaa gaggacttgg 240
 agctactttc atccttagga atgttatcga aggacaaggt gtcgagattt gctttgaact 300
 ttataatcct cgggtccagg agattcaggt ggtcaaatta gagaaacggc tggatgatag 360
 cttgctatac ttacgagatg cccttcctga atatagcact tttgatgtga atatgaagcc 420
 agtagtacia gagcctaacc aaaaagtcc tgttaatgag ctgaaagtaa aaatgaagcc 480
 taagccctgg tctaaacgct gggaacgtcc aaattttaat attaaaggaa tcagatttga 540
 tctttgntta actgaacagc aaatgaaaga agctcagaag tggaatcagc catggcttga 600
 atttgatatg atgaggaat atgatcttca aaaattgaag ctgcaatatg gaaggaaatt 660
 gaaaccgtca aaaangtctt gattcttgag aatgaatttg ggtagttgca gaagatccat 720
 tggctcttaa gangatatat tttgaganc at 752

<210> 5102
 <211> 742
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (742)
 <223> n = A,T,C or G

<400> 5102

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cgaattcggc acgaggttgc ctgcggcgtc cacttccttg gccgcccttg ctacactggc      120
tgattgttgt gcagccggcg ccatgtctgt gagcgagatc ttcgtggagc tgcagggctt      180
tttggctgcc gagcaggaca tccgagagga aatcagaaaa gttgtacaga gtttagaaca      240
aacagctcga gagattttta ctctactgca aggggtccat cagggtgctg ggtttcagga      300
cattccaaag aggtgtttga aagctcgaga acatttttgt acagtaaaaa cacatctaac      360
atctttgaag accaaatttc ctgctgaaca gtattacaga tttcatgagc actggagggt      420
tgtgttgacg cgcttggtct tcttggcagc atttgttgtg tatttggaag cagaaacact      480
agtgactcga gaagcagtta cagaaattct tggcattgac cagatcgagg gaaaggattt      540
catctggatg tagaagatta tctctcagga gttctaattc ttgccagtga actgtcgagg      600
ctgtctgtca acagcgtgac tgctggagac tactcccgac ccttcacatc tncaccttca      660
tcaatgagct ggattccngg tttcgccctc tcaactgnaa aatgactccc tgaggaaccg      720
ctacgacnga ttgaaattga cn                                          742

```

<210> 5103

<211> 1245

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1245)

<223> n = A,T,C or G

<400> 5103

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tgtgattcag agcccttagt tgagagcccc tgccgcccct gccaccccc tgccccgtctc      120
ccaccattgc ccctcctcag ctgtgcaagg agaaagcatg cttaggaagt tttcaggctc      180
ttgtgataaa acctccttaa atctgttcag accaagcaat gcgagcttcc tctcctgtcc      240
catgtttgaa gttgctctga aggggtggta gatgctggaa gccagacaca accctgcgta      300
cgctgtcag ttggtggaga ctggggctgg gactggagtc agcccagctg ggaggagggg      360
ctggggagga tctgnannng cangcccnan nnatcntntg cntntccctc nctcncctct      420
tnntttatc antccttnc cctctnncat ttnnatnnnt nnactccctt nnactcnttc      480
nnccantctn tatctccnca tntcctctct ctctannnta nntcacnct cnactctct      540
tntacttncn atcacnntca ccttctctc tctannctc atncactcn tntnnnccna      600
tctcctcnc ccttnaccnn ntnacttana cctcccnatc tctnnatntt canctntnta      660
tctacactct cntcctctct catctacann tnnatatcnc ncccatnana cactcctntc      720
tctcacnctc ncncaanttc actcttactn ntactnntnn nctnanacta cncacacttn      780
tctattnctc tntctnactc tntctatnct ctctcctnct cttatctntc tctcncmca      840
ttntacttct tcatctccac tntcncanct nctcctctt cntctntanc ctctcncnt      900
ancattcttc tttcattnnn acnccntcat ctnntanccn ctatctnttc tntntcenc      960
tetnccncc cncactctcn ccatcncnm ncnctntcna canntctct cctcccntac      1020
ctccacnnc tctccnccct ctcatatact cttctcanat atctctnnn atnctcacc      1080
tencacnana cntcaatncn ncttacctta nncctnnan ccatnctnac cctctctact      1140
cttnnacnta ttctcncatt ctnccttcac ttatctntat tntctctntn tcnccntant      1200
ctcncncttt ctcatctccc tnnctcacat cactctacnt nctct                                          1245

```

<210> 5104

<211> 1701

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (1701)

<223> n = A,T,C or G

<400> 5104
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 tttaaacnnc ntgaatttat ggcggncttt gggggggatg anattatggn gtncntttgg 120
 ggggctnann ttatgggtct cccntnnnnn actcnatgnt ctntcctaan atntcnnttg 180
 ntntcctctt cgcngcntta tctntgtca ntntcntnt cncctctttn ctcacccant 240
 ntnttacatc tcctctgncg angcnctcan nnnnnncng cnnnnnnaca tatacctntc 300
 tttcnnectc atnnacntat acnnntctcn ctcnccatan acctctttn anctactcnt 360
 nttatecnct ctcctactct ctcggtcn cn gttnccann tatcatatac ccnctgcta 420
 tegtccctct tcanncttct gcnacccctct ctnacctntc tccctnccnt ngcctanttc 480
 atcatnctat ccntctnnc atcccatcna canttctacc actcccanca ccccttctct 540
 antctcctc ctntcnaate tnnnnnttt atatecnant cncntctcnn cctatctct 600
 ttctcctntc nctntnccac cncnccnctn atntcnctt cncctnnnt cngtntccna 660
 cccctttnat cctacacac ctcnncnnn acntctcgnn ttctctctnt cntctntaac 720
 atccactnca nctatcttn atctannctc tanctcance ncctnnccat actatccata 780
 nccanantnn ttcannctc ccnaccnctc ctcnnnactc tnttatctct ctnngnctc 840
 tncnctctc tntcactcta nattcttata ctnnttnta ctacctntcc nctctatnac 900
 tnnnctactc acnnntnctn atctctctct cctcttanac tcnctcactc cttatanatc 960
 ttcnatncta tcacactann ctnccctnt cntactnata tcttntntt ntctctcaca 1020
 ctntacatca ctncgcantc atcnntctcc tcantacnnc cnnccctct ctacatatat 1080
 attcctctc tctcctctn cntctctntc tctctntct nctatnanac ancactnact 1140
 ctnctctnt ctctctatnn ntntcctca ctcacattct ntncacncc anttncnct 1200
 cncgctatct ctannctcn acntctctct actnctntnt ctcnccctc actctatnat 1260
 acntcncc tatttncnt actctctcta catacnctc tctnctctc cactctctct 1320
 ctctctctcn aanttncnc tctnctntn nctatntct cncctaacct ntatcnctcn 1380
 anactnncta nctagtctc tctntannca ttctntatc cnnntcnat ntcacacanc 1440
 nnataactnt ctnctactc cctcactctc tntatntct ctctctnta tactctctct 1500
 acntntcnnt nctatccana cacattntc atnctatnt nccnccnctc tctctctct 1560
 cttntcatac atctacnca ctatcctnt cactctctcn tctcatntc ncnctctnt 1620
 ctacnnatcn ctctctnta ncnatnctnn ctctncacat atctcactct cactcatctn 1680
 tctnctcnc ncnctctccc t 1701

<210> 5105

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(756)

<223> n = A,T,C or G

<400> 5105
 agagnnnnnn nnttnttctt tgettantgg cttgggctcc tngttctttn tccagggnagc 60
 ccatgcgatt cgaattcggn acgaggtgtn aaagngaact ttttaaggag gttcctgctg 120
 tnccagaaac ccttcaagaa aaagcgaagg nntttctcag agctgaagat caagcgctg 180
 agaaanaagt ttgcccaaaa gatgcttcta naggctagga ggaagcttat ctatgaaaaa 240
 gcanancnt atcacaaggc atatnggcng atntacagaa ctgnaattcg aatggcgagg 300
 atggcaanaa aagctggcag ctcntatgna cctgcanaac cnaanttggc gtttgtcatc 360
 agaatcagag gtatcaatgc gagtgagccc aaagggtcga anggtgttgc agcttcttgc 420
 ccttngtnaa atcttcaatg gaacctttgn nnngetcaac atggcttnta ttaacatgct 480
 gangattgta gagccatata ttgcatnggg gtaccccaat ctgaantcag tncntgaact 540
 aatctcaaac gtggnnatgg caaattcaat annaagccga attgctttnn cagataacgc 600
 tttgatngct cnatctcttg gtcaatacgg catcatntgc atggangatn tgggtcatga 660
 aaactatact ggtgnnaaac gcttcaaaga ngccaattac ttctgtggg cccctcaaatt 720
 gnnttntcca cnantgggaa tgaagaaaan gacccc 756

<210> 5106
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (748)
 <223> n = A,T,C or G

<400> 5106
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 attcgaatgc ngcncgaggc nttagtgtct nnttgaaaag ggaactgcac ntgatcnnat 120
 catggaanga tagctncact ncttnccgac cttggtcaca ggccgncatg agganggact 180
 gttccantgc tncngngggc nctgnctnctgn tntcatcac tggnccttagc tttggagtac 240
 ncaactccaa gtggcccgag tctagactct atcaaatncc aactgatag caacaatgan 300
 tgcattctgat gtgtgctgct ggcnatctta agcccaaat gcttcaaaga tnaaacagnc 360
 atatacattn aagatacata tanaaatngt nnaattngaa tgtatacaan ntagattacc 420
 ctaacgaact tcactacaag aaatncatct tatatccnng cacnnaaatg tgganntnta 480
 catgaaagga tataccggtt nanaaacac atnccatntc taaatgctga ntgagaaggc 540
 ntggactact aaacctggat tactgatnaa atttcaaan gancttgatt ttgctagcag 600
 aaatcnttac ccngttctcn agcttctata ancagttctt gaagggatta nacagctggg 660
 cctctntcca aattctggat taatttcagc tgtgtatttc cnannnaatc tttcagcctc 720
 tagaactata tgagtcggnt tacgtann 748

<210> 5107
 <211> 674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (674)
 <223> n = A,T,C or G

<400> 5107
 gttttctcct gttacatcat gctgaatcct ttcccttagc cattagcttt tattatgtgg 60
 tcttcatagg aaagccaccc tggtgccaag cctagcttgt ggggaggggt atgtgttcca 120
 gaaactgctc tttgtgttcc cttcaatgag gaaacaacat gtgtctactt atgtggcatc 180
 caactgcttg gagctccaca cttcccttcc gcgactcagg ctctgggtgct gttgccaaat 240
 ccttgcttgg caaagactgt tcgatcatgt ggggtcctta tttacaaggg aaagctgggc 300
 cagaaggcta gcaattcagg tgttaccgct attgctgtac cttgtgttag gacattgtgt 360
 ttgtgcatgg actgtgcctc caaactcagt agttccgtat ctaaataata agtantgtta 420
 gaaacctgaa agtacagaat ctcaacctta cnagtcttcc ccttagtcct gtggccttcc 480
 taagccagct gttaaccgtg ttgattcctt ccacttcccc caaagtaagg caggcaacag 540
 atatgttgat tgtcttagaa agtaatctgg ttctctgtaa ctccattgaa ttccagtttg 600
 acgcatactg cctggaacca gactgtttgc ttacagcttt ttaaagaaaa atctgncttg 660
 gtctgnccc cant 674

<210> 5108
 <211> 589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (589)

<223> n = A,T,C or G

<400> 5108

attgaggaag	atctaggtaa	aacctttaag	ttaaccttct	aagtctcaga	cacgtaaacc	60
caagtgtggc	aaaggaactc	attgctctcg	aaatgcatat	atgttggttt	atagactgca	120
aactcaagaa	aagcccaaca	ctactgttca	agttccagcc	tttcttcaag	agctggtaka	180
tcgggataat	tccaaatttg	aggagtgggtg	tattgaaatg	gctgagatgc	gtacaaagat	240
gtggataaag	gaaaagcaaa	acacgaagag	gttaaggagc	tgtaccaaag	gttacctgct	300
ggagctgggc	tgtaagatat	tctgggacag	cactgttgcc	attaagtgcc	ttgttttttt	360
atgttcacaa	atgtatatga	agaaactttc	tcaaacttac	tctttctaata	aaccacttaa	420
agccagctta	aacactctaa	aagtactttg	taaaccaaca	ataacttgat	gtgtagcatt	480
ccatattatt	tccattacgt	tgtaactccta	aaatggggag	ctgttaatna	attataacct	540
ttagggtcag	cactctgcat	ccctggagta	ttgttggnt	ttatatattt		589

<210> 5109

<211> 660

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (660)

<223> n = A,T,C or G

<400> 5109

aaggggaagga	ggctgctggg	tagcaaataa	gcccccttctt	ttcttggtga	gttgatgacc	60
tccaatagct	cccagtgkca	ygrgkaccca	gtacgcatta	gctgggtgtg	ggttgattga	120
gacctggggc	agttcctggg	gcaagaascc	agatgggaga	tgagatagaa	agtgttagga	180
gttatcctct	ttgcctggcc	tttgagaata	acttactgtg	tgactttggg	caagttcctt	240
ccccactctg	ggcctcagtt	tctcacttgg	gaaagcaagg	agtttgacca	gatgatcaca	300
atgggccttc	ctagctctgg	ccaccaagaa	tttgtgaaca	ttagagctcc	tggctcgggtg	360
ggtagagcca	gagctgctga	ctggtctctc	tgctccaga	ggggatttat	tggacctcag	420
aggtggcagg	gccctatgga	gcaccaactg	ccctcaaccc	caccctgtgc	ccaagactgg	480
gaagggattg	atgtcaggct	gtggccatag	gtagcatgag	ttgcccagg	agggacagag	540
catatctttg	ctgaggcttg	gctgaggggc	ttatgatagg	gcttgacgta	cctcacagcc	600
ccctgtgggc	acagncaccc	tgagggtttac	ccaggcaaat	atattgatta	gcaggaaaaa	660

<210> 5110

<211> 615

<212> DNA

<213> Homo sapiens

<400> 5110

ccatagcctg	ttgagtgttc	ccagatgtga	ctcaccttct	tgtgccttc	ttcatgcagg	60
cctactgact	cataakkcac	gwkgtcccaa	aagccacccc	acaagcctga	gccaacctgc	120
tgctgacgc	cacagtcatt	ggcagaggtc	tgggcattat	taatytataa	aaatccatgc	180
tttacacctg	gacagtasac	agggacttca	gagattgcac	gttkgaatac	attctcccaa	240
gactgaggtt	gttcgggtttt	aattcctgta	gtccaatcac	acaatttctt	atggaaaacc	300
ttttgtgttt	ctgggtattta	ataacttgaa	gggatagcaa	aatatactgt	gtattcagag	360
ggcctctctg	cagctgctag	ctcagacacc	aaaggggtaa	ggcccaggac	attcatatct	420
ttaaaagctg	caaacctggg	aacctttaaa	ctttttaaac	aaatgtcata	tggggtaaca	480
ctgacctttt	ataatttgat	gtctcaaagt	tagagattat	ctaaaaatcg	taacttgaat	540
accttgtaat	ttttctctta	aaaaagaaga	cttgtgtaag	tctctgcac	aacgccaata	600
aacatgttgc	ttaat					615

<210> 5111
 <211> 937
 <212> DNA
 <213> Homo sapiens

<400> 5111
 gtgggtggctc acgcctgtaa tcccaaagtg catggattac aggtgtgagt gagccaccgc 60
 ggccggcctc tatcattttc tgactcagca gctccaccaa aattgacatc ctagcaaaca 120
 ctgtgaagga attaacctaa gtsyttccag agcatctcat gtaacctcta tggagtaagt 180
 cactttttct gtaacatgtg gcttttgacc ttgatgaaga ctttgacttc tcatccctgt 240
 ctacatggag gaagatgatt cagtgggtgg gaaaatgaac ctcggttaaca tttccaatgt 300
 ccttcaagag ggaaacaagt tcagtgttat catcgtggca ttcgttagtt tttttttttt 360
 aaatcacktg tttagatata actttatttt tttataccta catagcacat gactgggggg 420
 ataaagcatg tataagttgg gagagggtaa agaattgtgtg actatgtata cagaaaatag 480
 actaaaatgt gcagcaaaat gatataact gtaatctgggt ttttgaagta tctactattc 540
 tggaatattg ttaaaccaact ttttgctttt gaaaaaaaaa aggtgccttg attcagttgc 600
 gtgactttaga acattcatcc tattttattg tgatttttaa tgtcttctga ccccaaactg 660
 tgtttttggt tgcagtctgg cggctgcagg catagcgtcg gttttgttcc aataacagag 720
 accaaagagt taatcagata tgggttcagct gctacaattg tatgattcaa aggcaattta 780
 atcaccccaa atttccatgg ccccccagct caagacctgc cattcgtttt ctcttgagg 840
 ttggagtaaa tttgcacttt gaatcatgtg ggtcatttgg ggaccttgtt cttttctatt 900
 ttgctttatt aataaaggaa cttgtagaaa aaaaaaa 937

<210> 5112
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (653)
 <223> n = A,T,C or G

<400> 5112
 gagacctcta acctcccgcg gttgagcaaa tacactctga gagacattag ggactgtggc 60
 aaaaagcagg caatccatgt gtgtcactta agccttgagc acagttcagt aggcaacaaa 120
 ccaggaactg tectggcaga taagacagac tgtgmaaggc catcgtcaty ggcatgggaa 180
 gggcattaat taccaaagtg gagacasagt cactgtctcc aagagcattt ggaatcactt 240
 cacagagttc tcaaggaggg gaaggctatc tgtcagctcc tggcgggact gctgccccat 300
 atactgtgat gaattgcttc acatatctga gttctgatgg gaaggagtcc aagtgcggta 360
 gctgtagaga acgctgggga agcccagttc tatgtagctc acgtatgaaa ggaatattca 420
 tgaagagnaa aacagaggca ttatttgaga ttaactgcct gagaaaccta gtctaattccc 480
 aagtgtctag aaaatgttga ctacttgcca tgtgcccagt aaggtgcttg gagctttata 540
 tgnatcctct catttaaccc tgtgacatag ttatgctggg anaccttgct gcgttcgtgt 600
 acnttgaatg aagttgaagc ttaanggaag gttaaaaacnc caaccnaac tga 653

<210> 5113
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)... (559)
 <223> n = A,T,C or G

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<400> 5113
ggaagaggat gactgggtat gctgtgccac ccttgagggc catgaatcca ctgtgtggag      60
cttgggcttt gacccgagtg gccagcgccct ggcgtcttgt agtgatgacc gtactgtgcg      120
tatkrgcgt cagtawctac caggcaatga acaaggggtg gcatgcagcg gctctgaccc      180
cagttggaaa tgtatctgta ctttgtccgg cttccactca aggaccattt atgacattgc      240
ttggtgtcag ctgacagggg ctctggccac agcttgtggg gatgaacgga tccgctgtkt      300
tcaggaggat cccaactcgg atccacagca gccacacctc tccctganag cccacttgca      360
tcaggcccat tcccaggatg tcaactgtgt ggcttggaa cccaaggagc cagggctact      420
ggcctcctgc agtgatgatg gggaggtggc cttctggaag tatcagcggc ctgaaggctt      480
cttgaagctn acctcgactt ttggacagag taatggactc cccagaaaac gttcatataa      540
gaattttacc agncccttg

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<210> 5114
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (554)
<223> n = A,T,C or G

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<400> 5114
gaagagcttc tgcaggggct gagcagaccc cagggcctct tagccaatcc ccgggcctgg      60
tgaagcaggc gaagcagatg gtcggaggcc agcaactacc tgcacttgcc gccaaagatg      120
ggcaatcttt taggtctctc gggaaggccc cagcctccct cccactgaa gaaaagaagt      180
tggttaaccac agagcaaagt ccctggggcc tgggaaaagc ctcacacagg gcagggctct      240
ggccmwtagt ggctggacag acaactggcag agtcttgctg gtctgctggg agcacacaga      300
cattggcaca gacttgctgg tctcttgga gagggaaga ccccaaacca gagcaaaata      360
cactccagc tcttaaccag gctccttcca gtcacaagt tgcagaatca gaacagaagt      420
agtaccaatt caatgttcac atgaacaaac aagctgcccc caggggtacc attttgggga      480
gggggaatct ttttttttct tttcccttt aaaaaaaac acntttgncc cgaacatttt      540
ccattttnt tttt

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<210> 5115
<211> 477
<212> DNA
<213> Homo sapiens

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<400> 5115
gctagactca agctgtctgg agagtgtgaa acaaaagtgt gtgaagagtt gtaactgtgt      60
gactgagctt gatggccaag ttgaaaatct tcatttggat ctgtgctgcc ttgctggtaa      120
ccaggaagac cttagtaagg actctctagg tcctaccaa tcaagcaaaa ttgaaggagc      180
tggtaccagt atctcagagc ctccgtctcc tatcagtcgg tatgcttcag aaagctgtgg      240
aacgctacct ctccctttga gaccttgtgg agaagggctc gaaatggtag gcaaagagaa      300
tagttcccca gagaataaaa actggttgtt gccatggcag ccaaacggaa ggctgagaat      360
ccatctccac gaagtcgctc atcccagaca cccaattcca ggagacagag cggaaagaca      420
ttgccaagcc cgctgcagtc tgcaaaggtc ttcacaaatc agaatcaact ggtaatt      477

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<210> 5116
<211> 957
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<222> (1)... (957)

<223> n = A,T,C or G

<400> 5116

aatgtatttt	ttcagtaagc	accagagaggc	ctccattcag	gctgtttttt	cagatgccca	60
aatgcatatt	tgggcattag	aaggctctgtc	gcacttagta	gcagcatcat	ttacagagga	120
tagatttgga	gttggtccaga	cgacactacc	agctatcctt	aatactttgt	tgacactgca	180
agaggcagtc	gacaagtact	ttaagcttcc	tcatgcttcc	agtaaaccac	ccgggatttc	240
aggaagcctt	gtggacactt	catataaaac	attaagattt	gcattcagag	catcactgaa	300
aactgccatc	tatcgaataa	ctactacatt	tgggtgaacat	ctgaatgctg	tgcaagcatc	360
tgcagaacat	cagaaaagac	ttcaacagtt	cttggagttc	aaagaatagt	taagtaatat	420
aaactgtgtt	cattacactg	ctgatacaac	tacagatggg	acagtaaagt	ttcagcattc	480
ttggatcaga	agaaaacgga	ctaattagat	gcttcctttg	tcgtgggtgg	tgctttgaaa	540
actatacttt	aatgggagaa	atcatggaaa	gaaattctca	acagaataac	tgaaaactgc	600
cttttctgta	cggattgctt	tttgtgtgtg	tgggtataata	aaatctttat	tcaattttac	660
agaagcattg	atggcagtc	gaaatgtctc	tagctcatat	aacttaatat	taataactaa	720
aaaactttta	gaatttactt	ttgaaaggga	ggaagccagt	tctgaaatga	gtatagggtg	780
atttcatagt	ccncctaatt	aagagtttag	ctcnttggtg	aactccaaat	acataaactt	840
tttaagtggg	gttccattta	ctggaaggat	taaaatgggt	acagtgccag	ccatattcnc	900
caaaaatatt	gtctaccggc	ntattttggt	aanccgtag	gttgggggtt	tggttcc	957

<210> 5117

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)... (534)

<223> n = A,T,C or G

<400> 5117

cttttttaag	caaagcagtt	tctagttaat	gtagcatctt	ggactttggg	gcgtcattct	60
taagcttggt	gtgcccggta	accatgggtc	tcttgtctct	attaaccctt	ccttcaatgg	120
gcttcttcac	ccagacacca	aggtatgaga	tggccctgcc	aagtgttcgg	cctctcctgt	180
taaacaaaaa	cattctaaaa	gccattgttc	ttgcttcatg	gacaagaggc	agccrgagag	240
agtgccaggg	tgccctggtc	tgagctggca	tccccatgtc	ttctgtgtcc	gagggcagca	300
tggtttctcg	tgcagtgtc	agacacagcc	tgccctagtc	ctaccagctc	acagcagcac	360
ctgctctcct	tggcagctnt	ggccatgaca	accccagaga	agcagcttca	gggaccgagt	420
cagattctgt	tttgtctaca	tgccctctgcc	gggtgccggg	attgaggcac	ccagggagct	480
gttactggcg	tggaaatagg	tgatgtctgt	acctctgtct	ctgcactcac	agcc	534

<210> 5118

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5118

caytygkcg	gggmsagggg	acagcaaggt	gggaggttga	agagctttga	ggctcagcag	60
catgtttgtg	gcattcgggtg	gacaccatgg	ccttgggcgg	ctggacaggt	ttttgtgatg	120
tgarggacay	gcattggggca	catggtaagc	ttggcaaggg	ctccaggaac	gctgacgaag	180
ggtttttaga	ccccacccc	catgcctgta	ccagggctgg	cctccagagc	gggtgaggac	240
agagcagctg	tgggcttttc	attctgaggt	cttggccccc	ctggccaccg	caagggactc	300

<210> 5119

<211> 598

<212> DNA

<213> Homo sapiens

<400> 5119

tttcagcttt	cgttaccagc	aggagctgga	ggaggaaatc	aaggaattat	atgagaactt	60
ctgcaagcac	aatggtagca	agaacgtctt	cagcaccttc	cgaaccctcg	cagtgtgtt	120
cacgggcatt	gtagctttgt	acatagcctc	aggcctcact	ggcttcatag	gtcttgaggt	180
tgtagcccag	ttgttcaact	gtatggttgg	actactgtta	atagcactcc	tcacctgggg	240
ctacatcagg	tattctggtc	aatatogtga	gctgggcgga	gctattgatt	ttggtgccgc	300
atatgtgttg	gagcaggctt	cttctcatat	cggtaatcc	actcaggcca	ctgtgagggg	360
tgcagttgtt	ggaagaccat	ccatggataa	aaaagctcaa	tagcatctta	acgtgaagat	420
caaacaagaa	cacaacaagc	ccctactgat	ttctgggttt	ctgccacggc	cacagggtca	480
tatccagagg	aatggcagat	ctgagacgat	ccaggaagag	ctaaaacatg	gccctgtaat	540
aaatgagcag	acctctcctg	tggtttcaaa	ttattaaaca	cacttccatt	tctcttgg	598

<210> 5120

<211> 1416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1416)

<223> n = A,T,C or G

<400> 5120

agtgagtgg	cttaccaaaa	atccagtatc	cttgccatcc	ttgccaaatc	ccactaaacc	60
aaacaggcgt	tccttctgtg	cccagtccta	gtattcaaag	gaaccctact	gccagtgtctg	120
caccattggg	aacaacactt	gctgtgcagg	ctgttccaac	agcacactct	attgtacaag	180
ccacaaggac	ttctttaccc	acagwgggccc	catcaggact	ctatagtcca	tcaactaatc	240
gaggtcctat	acagatgaaa	attccaattt	ctgcatttag	tacttcgtct	gctgcagaac	300
agarcagmwa	taccacccca	agaattgaaa	accagacaaa	caaaacaata	gatgcttctg	360
tcagtaagaa	agcagctgat	agcacatcac	agtgtggaaa	agccactggc	agtgattcaa	420
gtggtgtcat	tgatctcaca	atggatgatg	aagagagtgg	agcttcacaa	gaccccaaaa	480
aactaaatca	cactcctgta	tcaaccatga	gttcttctca	gcctgtgtca	cgaccattgc	540
aaccataca	accagcaccg	cctcttcaac	catctggggg	gccaacaagt	ggaccatctc	600
agaccaccat	acacttacta	cctacagctc	caactaccgt	gaatgtaaca	catcgtccag	660
taactcagg	gaccacaaga	ctccctgtac	caagagctcc	tgcaaaccac	caggtgggtt	720
atacaactct	tcctgcacca	ccangctcag	gtcccttgc	gaggaactgt	tatgcaggct	780
cctgctgttc	ggcaggtcaa	tccccaaaat	agtnntacag	ttcgagtgcc	tcaaacaacc	840
acatatgttg	taaacaatgg	actaaccctg	ggatcaacag	gacctcagct	cacagtgcac	900
caccgaccac	cacaagtga	tactgagccc	ccacgccccg	tgcacccagc	acccttacca	960
gaagctccac	aaccacagcg	tctgccccca	gaagctgsca	gcacatctyt	gcctcagaag	1020
ccacccact	tgaagttagc	acgcgttcag	agtcaaaatg	gcatagtact	gtcatggagt	1080
gtcctggagg	tggatcgaag	ctgtgccact	gttgatagct	accatctcta	tgcttaccat	1140
gaggaacca	gtgccactgt	gccctcacia	tggaaaaaga	ttgggggaagt	caaggcactt	1200
cccttgccca	tggcatngtt	actctcacc	agtttgatc	tggtagcaaa	tactactttg	1260
cagtacgagc	caaggatatt	tatggacgtt	ttggtgcttt	ctgtgatcct	cagtcaacag	1320
atgtgatctc	ttctacccag	agcagttaaa	cttgggagct	ttaaaatttc	ccctttaaaa	1380
tttcactttt	gggcctgggt	ttaatctgtg	catgaa			1416

<210> 5121

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5121

gctgcatctg	caatgaggat	gccaccctac	gctgcgctgg	ctgcgatggg	gacctcttct	60
gtgcccgtg	cttccgggtg	gtgcaggtgg	aatgttctgt	gcgagagctc	aagggctgcc	120
tggatccctg	acttgatatc	ctttgttcca	cagagagggc	catgatgcct	ttgagcttaa	180
agagcaccag	acatctgcct	actctcctcc	acgtgcaggg	caagagcact	gaagacaccc	240
tggtcctccc	ggaagggcag	tcccacaggg	agcggcaccc	atttctgggc	cccgccacag	300

<210> 5122

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5122

gtccttgtcc	agcctccaag	accacaagt	cccttctctc	gggaagcccc	cctggcctgg	60
aggtgcacca	ggaagaagt	gtctggggct	ggcactaagc	catggcccag	ggaagactgg	120
gggaccact	aggccaggat	gagacctgca	cgcagtggct	cacagcagca	cgatttgtga	180
cagcccggag	cggagaacac	cgaacaccca	gtgaaggtga	ggggatcagc	acggcgcggc	240
caccacgcga	cccacgcgct	ggaatgagac	tcagccacaa	ggaggtgcga	agctctgacc	300

<210> 5123

<211> 634

<212> DNA

<213> Homo sapiens

<400> 5123

caagagagag	tgatagaatt	ggcagtgaag	tatacgaacc	accctcctgc	cctctggggt	60
cacaatacgt	gtacacttga	ctgtgaagt	gctgtgagag	tgggtggaga	gttcttcttt	120
gacctcagc	ctgcggatgc	ctctagaaac	ctcgtgttga	ttgcaggagg	agtcggaatt	180
aacctcttgc	tttccatcct	gcggcacgca	gcagcatctc	ctcagagagc	aggcaacaa	240
aagaaatgga	tatgagatag	gaacaataaa	actattctac	agtgcacaaa	ataccagcga	300
actcctgttt	aagaaaaata	tccttgattt	agtaaataaa	tttcttgaga	agattgcatg	360
cagtttgcag	gttacaaaac	agactacaca	aatcaatgcy	gaactcaagc	catacatcac	420
ggaaggaaga	ataacggaga	aggagataag	agatcatatt	tcaaaagaga	ctttgttcta	480
tatttgtggc	ccacctccaa	tgacagactt	tttctccaa	caactggaaa	acaaccatgt	540
acccaaagaa	cacatttgc	ttgagaagt	gtggtaggag	gcagacaaag	gcagaaaaaa	600
taaagaggty	agatctactc	aggaaaaaaa	aaaa			634

<210> 5124

<211> 672

<212> DNA

<213> Homo sapiens

<400> 5124

ggccaaagag	gtgctacatg	cattgaaaga	aaaggttact	tcactacctg	acaaccataa	60
aaatgccctt	gctgctaaca	tagatgaaat	tgtattttaca	tcaacaggag	acatctccat	120
ttactatgat	gagaaaggaa	ggaagtttgt	taacatcctg	atgtgctttt	ggtatctaac	180
cagtgccamc	atccccagtg	aaactttaag	aggagccrgt	gtattccagg	ttaagttggg	240
gaatcagaat	gtggaaacta	aacaacttct	tagtgcaagc	tatgagtttc	agagggagtt	300
cacacaagga	gtaaagcctg	actggaccat	tgacaggatt	gaacactcaa	aattattaga	360
ataatcttct	tggaaaaatc	agcttatgga	cttttagcagt	tgctgtgaaa	aactaaggaa	420
gaaaaatttt	ggggatcatt	gatcttcact	taatctaagt	ctgtgaatta	cttttatatt	480
attttgaaat	actccttgca	gtatattggc	atgatacagt	aaaagcattt	tccacagatt	540
gttatcacct	tctttaaaag	aagtcaaaat	ttaaaaaata	caatagcacg	ttgttggtgt	600
catattcaat	aacatttcca	atgctacata	taattttata	gacataataa	agaaggtatt	660
gaaaaaacta	aa					672

<210> 5125
 <211> 738
 <212> DNA
 <213> Homo sapiens

<400> 5125
 catttgtaaa gctgcagga aagagggtcc acttcccagc aaccccatcc taatggctta 60
 tggcagatc tcaccttcag cttatgtatt agagattttt aaagggatca agtcgagtga 120
 gctggaagaa tctctacatt gtgctgcctt tctcttatgt cccagacatt cttaaactct 180
 ttaacgaatt cattcagctg ggctctgatg ttgaacttat atgccgggtgc ctcttcttcc 240
 tccttaggat tcactttgga cagatcacta gcaatcaaat gcttgtgcca gtgatagaaa 300
 aattaaggga aacaaytatt tcaaaagtca gccaaagtcc ggatgttatc ggcttcaata 360
 tggctggtct tgattatctc aagagggaat gcgaggcaaa aagtgaagtt atgttttttg 420
 ctgatgctac tagccacttg gaagagaaga agaggaagag gaaaaagagg gagaagttga 480
 ttctaacggt gacttagaac tgaaatgtgg tatctttttt ttttcaaca ttttctctt 540
 aaaggactcc taaactaagc acagaagagt tggcgctatc ttaaaaatac caagtaacag 600
 aagatcgcat tgcagatgat atcaggatgt gggttccagc tttgcctgag ggaattccaa 660
 catgagatta tgggctggct ccatttcttg gacttaaaat gcattattag tttaaaaatc 720
 tttctgtgct ctcaaagc 738

<210> 5126
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<400> 5126
 gcactggttt agctcttgcc aaacctcctt cgccctgtgc gccagggtaca agcagtcagt 60
 tctcggcagg ggccgaccgg gcaacttccc cccttggtgc cctctaccct gctttggagt 120
 gccgggcccct cattcagcag atgtccccct ctgcctttgg tctgaatgac tgggatgatg 180
 atgagatect agcttcgggt ctggcagtgat cccaacagga atacctagac agtatgaaga 240
 aaaacaaagt gcacagagac cggccccag acaagagttg atggagaccc agggattgga 300
 caccatctcc caaccccagg gactcgggca aggggtgccga agatagacaa gaggcacaca 360
 gagacagacc aactggcagc caggcagccc cagaggagag agacattcag acagaggaaa 420
 gtctccctgc cctcattcc ttccaagatg agaaaaactt gccgccccc cccgacactg 480
 atgccaggga ggtgggagga agaagtggga aatttccctt cccagtacc ccaagaacgt 540
 ctgagccttc aatgttgaat tttttcttta ttaaaattac ttttatctta taaaatcaac 600
 taatcaaaaa tgatatagac gacagcactg gctctgtgaa ggtggcatct ttctgggcag 660
 gcaggccatg gggcatggag gaggggtgcaa agatatgggt tgctgtcttc tggcctccag 720
 ctgcatggag gccggcccag ggtctaggggt gtgcaactgg caagggcagg gcggcagggtg 780
 tcaggccggc ttggacaatg aaacctgac cttgctgcat tccttttgct tccaccacca 840
 ctgacttctt tggaatcttg ggggtgggggt catctttggg gattatggct gccaccggg 900
 atttgagtgt agggagtgtg ggagcagcct tggcagatkg gcaccctgct cctgcagggtg 960
 ttgacaagat ccgccatctg taatgtcctt ggcaataa aaccaaagt cagtttccct 1020
 gagccccgac tctgttctgt gtggggcagg ggttggggcg gcctctgggc agaggatgca 1080
 atggcacgga ccttggttg acctcagagg tgtgaatgct ctccagcagg gtctgtctgg 1140
 gggcctggag tttgtatttg atttgctgct tattaacct cttctggac ctattgccac 1200
 tgg 1203

<210> 5127
 <211> 669
 <212> DNA
 <213> Homo sapiens

<400> 5127
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 caggctgggc aacagagtgt gactccgtct caaaaaaaca aaaacaaaaa saacttcksc 120

ctmckmsrca	gactcctccc	ctggtcacca	ctagtgatcc	accttatgga	tctcccaagg	180
ccacctctgc	ctctgctctg	tgttgattta	tttgggggac	ctgtggctcg	gcatgcattg	240
tacttggtks	cccaaagggc	tgtggcatct	gataagtgat	ttatcctcag	gcacagattt	300
gcactatgtc	accacttac	ttgtatgtag	aagtgaagca	ccggctggca	aatgggcata	360
gctgctgggc	agtggatgca	gctccatgca	tgttattctc	atttgataca	ggatctcatt	420
ggcttctcac	agcaatcctg	tgcaactatag	gtattgctcc	cggaacaga	tgaggaaaca	480
ggagagtgcg	agattacagt	aattttgtaa	atgggaggat	ttgtgaagg	ttcagacata	540
caccctctct	catatgtcaa	ggatatgaag	tctaataaat	cccctaaagc	agcaggggtt	600
ggcaagcttg	tgccctgggg	ccaaatcagc	ctactgcctg	tttttgtaaa	taaagtttta	660
ttggaacac						669

<210> 5128

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (476)

<223> n = A,T,C or G

<400> 5128

ggtgccatgg	agttcaccat	ctgcaagtca	gatatcgta	caagagatga	gttcctcaga	60
aggcagaaga	cggagaccat	catctactcc	cgagagaaga	acccaacgc	gttcgaatgc	120
atcgcccctg	ccaacattga	agctgtggcc	gccaagaaca	agcactgcct	gctggaggct	180
gggatcggct	gcacaagaga	cttgatcaag	tccaacatct	acccatcgt	gctcttcac	240
cgggtgtgtg	agaagaacat	caagagggtc	agaaaagctg	tgccccggcc	tgagacggag	300
gaggagtcc	tgcgctgtg	cggctggaag	gagaaggagc	tgagggccct	gccgtgcctg	360
tacgcsacgg	tggaacctga	catgtggggc	agcgtagagg	agctgctccg	cgtnntataa	420
ggacaagatc	ggtgagnagc	agcgcaagac	catctnggta	gacgaggacc	agcttt	476

<210> 5129

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (340)

<223> n = A,T,C or G

<400> 5129

aatcccacaa	agcctagcac	caaacttctt	tttttcttcc	tttaattaga	tcataaataa	60
atgatccttg	ggaaaaagca	tctgtcaaat	aggaaacatc	acaaaactga	gactcttct	120
rtrcamware	ymkagactrk	tswcwmwcag	atggttgctc	agggacaagg	tgcttccaa	180
tggaatgcg	aagtagttgc	tatagcaaga	attgggaact	gggatataag	tcataatatt	240
aattatgctg	ttatgtaaat	gattggtttg	taacattcct	taagtgaat	ttgtgtagaa	300
cttaatatatac	aggattatng	aaanaatatt	ttgtggtata			340

<210> 5130

<211> 610

<212> DNA

<213> Homo sapiens

<400> 5130

gttaacttct	ctgagagagt	tccttgtaag	gctacttata	aatagtagta	tatatatata	60
------------	------------	------------	------------	------------	------------	----

tagtttatgg	caggggaagat	ctgggaagta	agcaaaaaga	gccttttagtt	aggcaacata	120
gaacaaaata	gaggtcacag	gttccatgca	ctgaagaatg	gaattgaaat	agagactcca	180
gggtcataga	ctcttggaag	gaagactaga	gtacattcat	gacctcacc	cttaattact	240
tcacaggtga	gaaaaccaag	agctacagaa	aataagttat	tcctcagywc	cagggcctrs	300
yticcttgag	aattgggtta	aaattcaaaa	taaccttcta	aaaaattctt	tcagaaacga	360
gtagtgaaag	ccagtggatc	aaattcagtg	atagttaaca	gagaaacagc	agcatagata	420
agtaagccaa	tttaatgtag	ggagcaacca	ctagtgtaca	tgatctcagc	tcctctggta	480
ctaccaagta	aaaatgaacc	tgggccagcc	acagtgactc	atgcctgtac	tctcagcgct	540
ttgggaggcc	aaggtgggag	gattgtttga	ggccagggaat	ttgagaccat	cctgggtcaac	600
atagcaagac						610

<210> 5131

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5131

ctgtgaagta	tatgtaacat	gagcgagcgc	taggggaacg	cttcaaagca	gtaggcagac	60
atcattgttg	agctaaacta	agcacagtgc	ctatagacca	gggtgctatg	aacaggcgga	120
aagagtgttg	acaatcagaa	attgtcaatg	gtaattgcaa	ataggaagac	gcaagggcag	180
aatggcagct	gcaagcactg	atttgcaatt	atgccacttt	cactgggaac	tctgagtact	240
ccagggtggg	tagctgctgc	agcttgcttt	cttctaata	ggattaatga	ttactttgag	300

<210> 5132

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5132

gcacacctcg	atggcactgt	aaagatctgg	aatatgaaga	ccacagaatg	ttcaaatacc	60
tttaaatccc	tgggcagcac	cgcagggaca	gatattaccg	tcaacagtgt	gattctactt	120
cctaaaaacc	ctgagcactt	tgtgggtgtg	aacagatcaa	acacgggtgg	catcatgaac	180
atgcaggggc	agattgtcag	aagcttcagt	tctggtaaaa	gagaaggtgg	ggactttgtt	240
tgctgtgccc	tctctccccg	tggtgaatgg	atctactgtg	taggggagga	ctttgtgctc	300

<210> 5133

<211> 757

<212> DNA

<213> Homo sapiens

<400> 5133

gctgccacca	cccccgggcc	cagcctgtct	gaaagtccag	ggtttaggcc	gagaaacccg	60
gtggggaggg	gtggggagcc	ggagctctgt	ggcggggctg	gagggctggg	gtgcacttta	120
gtttggggcg	ggacgggagc	cgcctgtgtg	actggcgctg	tctggctgct	gctcccgaac	180
ggaggggtcg	gggttggtct	gctggggcct	cagagcccag	tgggtggctc	tgactcggct	240
ccctactccc	tgcacccagc	tgggcgcagc	cttggggcct	gcggtctgaa	tgtatccctc	300
ccctcagttt	taacctgagc	tgccgaacgc	acagtgggcc	gggggagagg	ctgggggaag	360
cggggcccaa	ttacggatcc	cgggagttac	aggtgccgac	gtgatgtcgc	ttctctgggtg	420
cccagctccc	ttcttggtct	gagactagct	ctgggggtgg	cgggggcccc	cacacgctyg	480
ctcccgtccc	acctgcccgc	tgctgctgct	ctgtgctgct	tgctcagagcc	ctgggtggggg	540
aggatgtggc	caccttgaga	cccggaggag	acgggcgtct	gcctgggttt	gcggagagcc	600
gcttatgggt	gtgggtccgtc	cagacacctt	gtttcaaggg	ggatgggcgt	gagcgggcaa	660
gcagagcatc	cccaccgctg	agcaagaact	ttttcttggt	tttaaaccat	cacgtcctca	720
tttcacattg	gaataaagtg	agtttttgaa	acctgcgc			757

<210> 5134

<211> 1316
 <212> DNA
 <213> Homo sapiens

<400> 5134

gtggcaactt gatgaaacag ccaaatgcac cagggcaggt cactttccca ttacactgat	60
tccacaatta aaaaaaaaaa aagaaaaaaaaa actcattgar atagctacag ttctataggt	120
taatttaaag cctccttttt ctactcattt ttgaaascaa aattacattt tactatttta	180
cataaccagt gaaaagacgt tgaaagccta cagctcactg tttttggtgc tctggaaatg	240
ttgaggggtg gtttttaacc agtgattttt aacgtgcagt gaatttggtt gacttttaaa	300
caccagctaa ggtagtcaaa cttgatcccc attaaaaatc aaggaattag gggtcggggg	360
aggggtttag agtgatccag aatgacctcc cagaattact gtgcgtacaa ctttattttt	420
cagagttttc attggaatgg taagagtttt atgaaagaca gttttaaaac ttattctgag	480
ttaaatatta atacttttaa aaattattgt actagactta tcgcagcctt ttgaaagtag	540
cagagtttca tcataccaca tatataacag agcataaatt ttctataatc aggcaccttt	600
tgctgctttt gagtaagact gttttcctgt ttaagtgtta agcatcgcca gacataaaaa	660
tctattctct cctctcgatt gtagcatagc ctgacagctc tagatacagc atttctatga	720
tgaaaaatga gtatccatca ggaaatctag aagactagcc gtgttttctc agactccacc	780
tttgtttgca ctctgttgcc tgtgaggagc tttctggcat gtgattattt acttcaaaac	840
tagagttcca agcacctaca ttaattattt tatatttgtt gcagaatagt atatctttta	900
atgtcagata tgatacactg cacatattgc ttttgcactc ttaaaatttt tgtactaaat	960
aatagaaaaat atttatattc tttgagtgtg agctttgaat agatggcatt atcactttat	1020
tgtttttttt ttaacaaaaa ctttttctca attattctat tgcaatgtta ttctgagcaa	1080
gtcctatgcc aaatatcttg tataatgttt gtatggaaga ttaaaatttt ctcttggtg	1140
gtaagactat ttcagttact gattttatag ttggaatttg atattccagc acaaagtcca	1200
cagtgtattc agaaatccaa gttggtgtca tacatttcat tttgatgtga acttttcttt	1260
gctttccttt gttctaagac tccatttttg aataaacgtt ttgacagtaa aaaaaa	1316

<210> 5135
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 5135

aacgcttcaa ttgttttgta gaaattttta taggaacttc aagaagtaaa cctttataac	60
attgtaaaatt cttacgtaca gcatcacaaa agacaaggaa tmctgtcata tccttttagc	120
aaaatgakat tgcctaggtt cttgttgcaa aataccacat aatgaaatcc ttctgttg	180
atgatttaact gggtagaat atcatctttc cttttggtcc gtagaaatgt attattcact	240
actccattct tgaggtttgt tttttaattt ttttgagac agtctcactc tgttgccag	300
tctggagtgc agtgggtgcg tctcagacgt ctactgcaa cctctgtctc ccaggctcaa	360
gtgattctcg tgctca	377

<210> 5136
 <211> 550
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (550)
 <223> n = A,T,C or G

<400> 5136

gaagacacca gtgggtggaat cgagtgtttg gccacagttc gggacctatg gtagaaaaat	60
actcagtagc taccagatt gtaatgggtg gcgttactgg ctgggtgtgca ggatttctgt	120
tccagaaagt tggaaaactt gcagcaactg magtaggtgg tggctttctt cttcttcaga	180

ttgctagtca	tagtggctat	gtgcagattg	actggaagag	agttgaaaaa	gatgtaaata	240
aagcaaaaag	acagattaag	aaacgagcga	acaaagcagc	acctgaaatc	aacaatttaa	300
ttgaagaagc	aatagaattt	atcaagcaga	acattgtgat	atccagtgga	tttgtgggag	360
gctttttgct	cggacctgca	tcttaaggnc	atgaatatc	tcccataacg	gattcaacta	420
tgagaagaga	agtggcagca	ataaggcagt	ctctcaaaag	tcatactgcc	agagtctcta	480
gggcaaggng	aaacanctag	ctgggcaata	ctcaattcac	aacttagcat	tttgccatct	540
tgaagcttgg						550

<210> 5137
 <211> 447
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 5137						
cgccagagca	gcagtgggga	acatcttctt	gtctgctgga	cacctgattg	ggccggttct	60
ctgccattcc	ttctgcaatt	acatgggttt	cccagctggt	tgcgcgccct	tgagcacccc	120
acagaggcgg	ccctgctggg	caggctatgc	cctgggtgtg	ggactcttcc	tgcttctgct	180
ccagccccctc	acggacccca	agctctacgg	cagccttccc	ctttgtgtgc	ttttggagcg	240
ggcaggggac	tcagaggctc	ccctgtgctc	ctgacctatg	ytccctgggat	acgctatgaa	300
ctntgaccng	ctccccancc	ctccccacca	aggggttact	gcaggggaag	ggctaggtgg	360
gggtccccga	gatcttaggg	aattttttta	gggggatttt	aagccagagn	tagtttgcgt	420
tcccaggggac	caaggagaaa	gaagcat				447

<210> 5138
 <211> 555
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(555)
 <223> n = A,T,C or G

<400> 5138						
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gtttaatttt	tgaaaactgg	ctactgctct	gtgtttacag	acgtgtgcag	ttgtaggcat	120
gtagctacag	gacattttta	agggcccagg	atcgtttttt	cccagggtga	agcagaagag	180
aaaatgttgt	atatgtcttt	tacccggcac	attccccttg	cctaaataca	agggctggag	240
tctgcacggg	acctattaga	gtattttcca	caatgatgat	gatttcagca	gggatgacgt	300
catcatcaca	ttcagggcta	ttttttcccc	cacaaacca	agggcagggg	ccactcttag	360
ctaaatccct	cccegtgact	gcaatagaac	cctctgggga	gctcaggaaa	gggggtgtgc	420
tgagttctat	aatataagct	gccatatatt	ttgtagacaa	gtatggctcc	tcccatatct	480
ccctcttccc	taggagagga	gtgtgaaaagc	aaggagctt	ngataagaca	ccccctcaaa	540
cccatccct	ctcca					555

<210> 5139
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 5139

gctacgtggg	aggetgaggg	rgragaatct	ctksmrcckm	rgaggmrgag	gttgacgtga	60
gccaagattg	tgccagcctg	ggcgacaggg	tgaggctctt	gtctcaaaaa	aaaaagtcca	120
catcttcacg	aaccctcaga	ctctggagtt	gggtgctggc	tttttttagcc	agcttttgtk	180
ssrwtttsyk	wkracctatt	aaagaaggaa	agtgggtaat	ggagtcccag	ccactcaaga	240
gactggatat	cccccgagaa	tggtctgggt	taccagctat	ggacccttgg	aagatgaatc	300
taatccttct	cactggtttt	tctttgcaa	ttcatttgct	tttatttttc	taataacaat	360
aaactctatt	ttccatgttc	tcagggcccc	tggttagaca	gacacagctt	gatttcagag	420
cagacatagg	cgaagaaaac	atggcattga	gtgtgctgag	tccagacaaa	tgttatttat	480
atacacatcc	aaatttgaag	agaaaatgta	tttctttagg	tttcaaacac	tgtaatagat	540
ataaagcaaa	aataaaaacc	tggtgcaaa	ttaaaa			576

<210> 5140

<211> 631

<212> DNA

<213> Homo sapiens

<400> 5140

agtaccaga	gttgcgagga	gttttttaac	tgatttagcc	aggtggcaat	catgagtga	60
tgatgaaga	aaggccctt	agaatggcaa	gattacattt	acaaagaggt	ccgagtga	120
gccmgtkmgr	agawtgagta	taargsatgg	gttttaacta	cagaccaggt	ctctgccaat	180
attgtccttg	tgaacttcct	tgaagatggc	agcatgtctg	tgaccggaat	tatgggacat	240
gctgtgcaga	ctgttgaaac	tatgaatgaa	ggggaccata	gagtgagggg	gaagctgatg	300
catttgttca	cgtctggaga	ctgcaaagca	tacagcccag	aggatctgga	agagagaaag	360
aacagcctaa	agaaatggct	tgagaagaac	cacatcccca	tcactgaaca	gggagacgct	420
ccaaggactc	tctgtgtggc	tggtgtcctg	actatagacc	caccatattg	tccagaaaat	480
tgacagcagc	ctaattgagat	tattctgtcg	cgtgttcagg	atcttattga	aggacatctt	540
acagcttccc	aatgagaggc	caggaagtgt	gaacatactg	atagaaaaag	actatatttt	600
atccctcata	aaatgtttta	aawrtaaaa	t			631

<210> 5141

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5141

aagtatatat	gactccactc	aggggtgtaa	aagcaaccga	agcatcaaag	tctactcagc	60
taaagactaa	cagagacacg	agaaaagtga	cagtttcagc	taggacgaac	aggaggtgtc	120
agatgctga	agccgactct	gaaagtgatc	atgaagtctc	agaaccagaa	tcagaaatga	180
agatgagact	accaagacga	gccaaaaccg	cagcactaga	aaaaagtacc	acttaccctt	240
gccaatttcc	tcaatgaaga	tctaagttag	gaaagacgat	ggaggtggaa	tcctttaaga	300

<210> 5142

<211> 699

<212> DNA

<213> Homo sapiens

<400> 5142

gtttcactgt	gcggtgcagt	gcggcggcag	ctcgtgagga	ggaccggtac	atkgacacca	60
ccctgaaggc	ttgccacact	gtcagtatgg	atgtctgtgc	tttaagaata	cagcttttca	120
taggcttgaa	agccatctgt	cactttaaaa	accacatcat	acttttgact	aaagcagaac	180
cctgaagcca	ttccagagag	aagacagtca	cccaagaggc	ttctttcgag	waarsatmcc	240
mktgyymmar	kcaaaatwcc	tgccwgtwkc	tgagrmtgag	ktgkaaytkg	tataattktgw	300
rtaykatcty	wccagtgcag	ctgtacaaag	agatggtaga	ctatagcaat	acctataaga	360
ctgtcaaaac	ccagagctgc	attcaccttc	tcagttaggc	tcactctgta	gtgcgagctg	420
scctgatgga	tgccagtcag	ctggaacctg	gagagaaggc	agagcttttg	gaagcattta	480
aggaaagctg	tgggcacctt	ggggactggt	acagcaggct	tgactcccag	cattctcatc	540

tcaccttgcc atactataag atgtctggtt tgtctatggc tgaagttctg gcccgcacgg	600
actggacagt agaggatgga ttacagaaat acgagagagg attaaatctt ttacattaaa	660
tccattccac tttatggaaa acctgggatg taaggaatt	699

<210> 5143
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (423)
 <223> n = A,T,C or G

<400> 5143	
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aagagacaga ggaccaggct ggagccagtg ggcacgcagg agcctgcctg ggaagaagcc	120
ggggggcaag gctggcatgg gaatgaacac ctgctggtga cacctctctg agcttcagtt	180
cccttaacta gaaaaataga acaggcccgg tgcggtggct catacctgta atcccagcac	240
tttagrkatg rytgmrrcrr ktrswtcwts agrtcaggms wtccwwracc aaymwrrccg	300
acattggggg attagcaatg ttttgttact tgggcatttt caagaggcag acatagtcca	360
gaagcagaag nttgggcagg tcccagatct tggtctatag ccctttatcc tgaagctcgt	420
gcc	423

<210> 5144
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (366)
 <223> n = A,T,C or G

<400> 5144	
gtccttctt actctagtat ctctgccttt ggtcagtcag agagcatttg atgagtacca	60
tgctgggctg gaccccatcc tggctgccct ggaagataga gacaggtcac cttgatccct	120
gcctgtagca tttgggctgg ctgagatggt ggargtgtga acagaatatt ccagtccagt	180
gtcctctgtg gtagggatgg ggatggaccc sggagaggcc ctctgttcc tggcaggagg	240
tgggactcag agttaaaagt gaggtcaagr cccagtgcga tggctcacam ctgcagtcct	300
agcacttcgc gganttnagg tggatcacca gaaccncta gttcaagacc agccttggan	360
aaanat	366

<210> 5145
 <211> 952
 <212> DNA
 <213> Homo sapiens

<400> 5145	
ggttctacca gtgcctacac caagagtggc tactgtgtca acaggttttc ttcacttctg	60
ccaggaggca acaggcgaaa ctcaacagca aaagactaca ccattctaga ttgcatttac	120
aatgaggtaa accagaccta ctacgttctg gatgtgatgt gctggcgggg acaccctttt	180
tatgattgcc agactgattt ccgattctac tggatgcatt caaagttacc agaagaagaa	240
ggactgggag agaaaaccaa gcttaatcct tttaaatttg tggggctaaa gaacttccct	300
tgcactcccg aaagcctgtg tgatgtgcta tctatggatt tcccttttga ggtagatgga	360
cttctcttct accacaaaca gaccactac agccccggaa gcaactccctt ggtgggctgg	420

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ctgcgccecta catggtgtca gatgtccttg gtgtagctgt gccggctggc cgctgaccac      480
caagccagac tatgctgggc accactccag cagattatgg agcacaagaa gagccagaag      540
gaaggcatga aggagaaact cacacacaag gcctctgaga atgggcacta tgaattggag      600
cacctgtcta ctcccaagtt gaagggttct tcccatagcc cagaccaccc tggatgcctc      660
atggagaatt aaagagagaa gmctccttaa ggagccacag gatggtacct ggccccaaaa      720
ggaatcctgg agaggaggac agtgacaaca ggtgacttya ttcttttagag tgaactttcc      780
aaacccagtc cagctggaaa cagcttatct ataatctgaa atgctggctc aaacagttat      840
ggggagggtc ccagattgag tagcattcag attgatttga gcagctccta ctgtgataag      900
tgtatccag atccacaatg taaatatatg tgattttaa gaaaaaaaaa aa      952

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<210> 5146
<211> 431
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

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<400> 5146
gcaccagcag gtagtggccc ctgtaagcag ggccagagtc gggacaaaga gcaggagtga      60
agcagccaag agacagagga ccaggctgga gccagtgggc acgcaggagc ctgcctggga      120
agaagccggg gggcaaggct ggcattggaa tgaacacctg ctggtgacac ctctctgagc      180
ttcagttccc ttaactagaa aaatagaaca ggcccgggtg ggtggctcat acctgtaatc      240
ccagcacttt agrkatgryt gmrrcrrktr swtcwtsagr tcaggmswtc mwkaccaccm      300
tkraaacccg attgggggat tagcaatgtt ttgttacttg ggcattttca agaggcagac      360
atagtccaga agcagaagnt tgggcaggtc ccagatcttg ttctatagcc ctttatcctg      420
aagctcgtgc c                                     431

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<210> 5147
<211> 1101
<212> DNA
<213> Homo sapiens

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<400> 5147
tgaaaagggt aaacctgttt cacctcccaa atttatatat tcaaagtatt tacttaaaat      60
tcagaagcca gaagtcatg tcatgattac caggaagttc aggccagaat gaatccctag      120
agaagccagg ccaagcctgg ataattgcag ctggatgacc ctggcccgaa agtcacagtt      180
maktckgmmk kakkcctagt tcaggcttac tatctagaac ctcatgctag cttaggttgc      240
atgtttacat tgctgcagtg tctttacttg aagcttagtt ggatcgaaat ggacaccgag      300
atggagatgc ttctggctac atttcgcaga accccaggag acctgcattt agaccactct      360
gtccatttgt gtgcccaccc ccacccccag ggtctaagtg tagactccaa gaggagcagc      420
ccagagcttg gaggagaggt gtgtctgggg saccactggg ggggtggtgt gctcttcttt      480
ttgttgtagt taatgcgggtg tcttttaatg gactctcagg cctcccagac agccttggtc      540
ctttaaggca gaagctcttc ttcattgtgt accycctggg attcatgagg tgtgagattt      600
ggcctgcttg accttgaatt caagtttttc aagtgactct cagtgtcaga agaagatttc      660
atgtgtgcca catgtggtat gtccacagct caccttcaa ggcttagatg tagccatcac      720
agagagtggg attttattaa gaaccaagt cccagcctga ccaacatggw gaaaccccat      780
cttactataa aatamaaaat tagccgggag tattggcggt cgcctgtaat cccagctact      840
caagaggctg aggcaggaga atcgccgtga cccagaggcg gaggtttagt tgagccgaaa      900
tcacaccatt gcactccagc ttgggcaaca atagcgaacc tccatctcaa attaaaaaaa      960
aatgcctac acgctcttta aaatgcaagg ctttctctta aattagccta actgaactgc      1020
gttggggagc tgcttcaact ttggaatata tgtttgccaa tctccttggt ttctaataaa      1080
taaatgtttt tatatacttt t                                     1101

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<210> 5148
 <211> 515
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(515)
 <223> n = A,T,C or G

<400> 5148
 ggaagagggga cgccgagaag aaggacctgc ctgtcaccaa aaacacgctc aagtgcactt 60
 tccgggtccct ccaggtcagc aggtgcccc gcagcggcga ggctgcagcc acgcccacca 120
 tgtccatgac cgtgggtcacc aaggagaaga acaagaaggt gatgtttctg cccaagaaag 180
 cgaaggacaa ggacgtggag tctaagagcc agtgcattga gggcatcagc cggctcatct 240
 gcactgccag gcagcagcag aacatgctgc gggttcctca tcgacggcgt ggagtgcagc 300
 gacgtcaagt tcttccagct ggccgcgcag tggttcctcg cacgtgaagc acttccccat 360
 ctgcatcttc ggacactcca aggccacctt ctaggcccca cccaccaggg gggcccacct 420
 ccttgcccca ttgntgtgag gggggccagc ttgcattttc ttgtttaaac attttcagtt 480
 ttaattacag aggacagacg tttnaaaaca caaag 515

<210> 5149
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n = A,T,C or G

<400> 5149
 cagagctgta tcttcagtgg tgtgatgaag ctacagtagg ggagatcact catgctaggt 60
 atggatctcc ttacccttgg cctctgaatc atattttggc ctatcaaaaa cagtgggaag 120
 kcaaacgtaa grtgraagct atkkgatggg gaaagaagac tctggaccag gtcttagagg 180
 atgtagacca gtgctgtcaa gctctctctc aaagactggg aacacaaccg tatttcttca 240
 ataagcagcc tactgaactt gacgcactgg tatttggcca tctatacacc attcttacca 300
 cacaattgac aaatgatgaa ctttctgaga aggtgaaaaa ctatagcaac ctcccttgctt 360
 tctgtaggag aattgaacag cactattttg aagatcgtgg taaaggcagg ctgtcataga 420
 gttatgtgtt agtctcagga gtcttaactt ttgaaatatg ttttacttga atgttacatt 480
 agatattggt gtcagaattt taaaaccaa ttactgcttt ttgaaacctc aaattatata 540
 atgtatctta tgtatgtgct ttatattgtt atttgtgtat acattaaaat aattctgaat 600
 tatttaatct gatatgttgt attctgtatc ttgaaatttt tgtttccttg aaacatgcat 660
 gcatttaaaa ataaagctta aacaactgta tggatgttaa aaaaaaaaaa 710

<210> 5150
 <211> 648
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> n = A,T,C or G

<400> 5150

atttagtgag	atttgtattc	taggaagtgt	gtgccgtcac	ttgttcattt	acaactgcaa	60
agattgtatg	tctcctatgt	tttcctttca	tgccaaagaa	actcaccctt	tttaaaagcc	120
agcaggttgc	acaaacccaaa	aacaaaatat	tttgcccctt	aaataggcat	tttaagaagt	180
tttatttcct	ggtacttaaa	tattgtgtag	agggaaagct	agttgtaata	atttgtaaaa	240
atgcgtgtat	ttttaggaat	gcgctatttc	cagtaaggga	agtattgaca	tttttaagga	300
actgtgctgc	attaaaatcc	acagttgcat	gaaactttta	aaagtttaag	atataaagta	360
attgctaaaa	tttgtgaact	actcagagga	ctcaatgccc	taacatgtag	gggattgatc	420
attgcatgt	ttaggccagg	atttctcatg	attgtatatg	gttattgatc	atttttaagg	480
ggctgaacct	gctgccttta	tacttttgac	acctccctcc	ctcccncccw	ccaaactgtg	540
gctgtaaaca	gtgactctgc	atagtcagcg	ttatacttga	tttctttgtg	aatgcaaata	600
aaataaaatt	tgtaagtcca	ccaaatattg	acttaactag	gtaaatgt		648

<210> 5151

<211> 906

<212> DNA

<213> Homo sapiens

<400> 5151

gtactttgag	tgtttggggg	ttcaacacac	acatgcaatt	ttgcttaaca	aaagtatttt	60
ataatacagt	ttcatacaga	attaccttaa	aagggagtct	tatgttttca	actacagata	120
gttgwaagg	atcataccag	aagatattga	tgatagtkga	aatattctta	gaaggggtgt	180
gtatgtccta	gcctgtgtct	accatgtgta	tgtattcttg	acaagcagta	taaaatacct	240
gtgatttttc	tttacattag	ggataatgca	taaggaatta	atcttcatat	atattatcat	300
ccctaagtga	gcagggggaa	gtatttaatt	gcccattgata	tgtattttac	ttatactatg	360
ccrgagrnga	aactataaag	taattacmca	tgtaatcttg	ggtttttcac	atatgtaggt	420
attcattttg	agtaggttga	agaagaaaaa	aaatatttaa	atgaattgaa	ttcctgatgg	480
gatatgatca	ataagtattt	aaaagccagt	attctaaaaa	taataaagg	taggggtcatt	540
tttgagtgtg	tttttctttt	gctattgtta	atattcaaaa	ttaaagtgtt	acattggtac	600
ctgtgtctct	aatgcattta	ttgagaacag	cattgagatg	atgaacaagg	ggttagcaat	660
agcaaaactct	ataattattt	tgactaatta	cttaagagga	aaacagtata	agtatctcat	720
tcagtattta	gcaattctgt	aaaataagta	ttatctctat	ttttcagatg	aggaagtaag	780
ggtttagcaa	ggtaagaga	tctatccaat	ttacacagca	agttagtagt	tgagcctgac	840
catgagtctt	ctgactctgt	tcttttcact	atgcaatacg	caaacaataa	aatgttatac	900
aaatgg						906

<210> 5152

<211> 677

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (677)

<223> n = A,T,C or G

<400> 5152

caaagccgtc	ccttcaaate	cgtctttgtg	cccactgcca	tagtcaaccc	cgtgagaagc	60
acagccggcc	ctgggacttt	aggacaagg	tctcttcgga	aagggcggag	cagcatgaga	120
aagaatggat	ccctgcagag	accctccag	tccgggatcc	ccactctcgt	ggtagsetcc	180
cycaracsca	gccccacat	ggtccttcg	cctcagcagt	tccaattcta	ccagccacag	240
gggatcccc	cctccccctc	ascctgggtg	gtggagatgg	ggtccaagcc	tgccctcacg	300
ggggagcccc	ccctcacgtg	catcancagg	ggcagtgagg	cccggttcca	ctccgcggcc	360
agctccctca	ttatggaaga	caaagaaatc	cccatcaaga	gtgagcctct	gccaaaaccg	420
cccgcactcg	ccccaccatc	catcctgggtg	aaacagaaaa	ctcaagaaat	ggcatcgaaa	480
gcaagtcaaa	accgtgagat	ttcagaatta	cagccctcct	ccaccaaaaca	ttacacctcc	540
atccacctcc	ggaaaagcctg	acagcagcac	cctcaaggcg	tccagctgaa	gcagcgtctt	600

gggccagaga tgacatctat ttgccaccga gtgctgcact cggcaagaga agactcgaga 660
agtagctctg caaggca 677

<210> 5153
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (301)
<223> n = A,T,C or G

<400> 5153
ggcagtgtcg cgcggggctc ccagccctgc tgggaaggac caggaacca ctcagcaatt 60
agaccctctt ggccctgccc ccaccatgca cccagcagcc agggagtgc gggkcagcc 120
tggcagtgcg tgaaacccag gcctycagcc ctccaaagcc tggggccacc ccctgtagca 180
ggcgatgcta gaataaggag gagagccaga gctgaggctc cttgcccctt ggcccctyca 240
ggggccatgg gatctctgtc tcccacaccc ctgtcacggn ccgcctggan cancccatag 300
g 301

<210> 5154
<211> 427
<212> DNA
<213> Homo sapiens

<400> 5154
gtgatccgca agttgtggaa gaaatacgcc aagcaaataa agtagccaaa gaagctgcta 60
acagatggac tgataacata ttcgcaataa aatctygsy cramagaaaa tttgggtttg 120
aagaaaataa aattgataga acttttggaa ttccagaaga ctttgactac atagactaaa 180
atattccatg gtggtgaagg atgtacaagc ttgtgaatat gtaaatttta aactattatc 240
taactaagtg tactgaattg tcgtttgcct gtaactgtgt ttatcwtttt attaattgta 300
aataaagtgt aaaatgcaga tgttcttcac cccttttggg agaacaaaag caggatgata 360
accatatccc ccagtgctc atcaaagtag gacactaaaa atccatccat ctcagtcaaa 420
gtcgagc 427

<210> 5155
<211> 775
<212> DNA
<213> Homo sapiens

<400> 5155
cttcaggaaac tagatgtata tgcacaaggg attgagttta cactaaaact aggaaatgga 60
gttttcaatc tatgttcttg cctcttcata cttttattta ttttttgtca tcctgcctta 120
tactgggcta acaatgagat aaaataaaaa tacctttgaa tactcttttc ctttcatgc 180
atttaaagcc atggaggaac tagaccatta gctgttgccg tcacatgctt agacaccagt 240
ttacttagcg tggtatgacc ttccctaccc atactaccaa atttaaattg gtcccgactt 300
caccctctgg aagggaagtaa actcttctct ccccatgggt tcagagcagt ttttacctgc 360
aagcaccatc tctgtatgtg ctcttactag attatacagt tcttgagagg gattgcatct 420
tggtgttttt gtatttccac ctacccccca gcacatagcc cagtctcttg cacaaattaa 480
gtacttaatg tgtgttgagc taaattgaat aaaggattat tagcattagc atattttgtg 540
ccttggttgt ataagctggg tggttggttt gttacctttg caaatattta tgattatcac 600
ccccccacat actaaattgt ttttaaaagt tttgcctttc cttcagatac taccacagge 660
aatttgctgt agataatgtg attgcttcca atgacataat tatcccaaac tctctgcccc 720
ggatatactt tgccaaacga aatttgaatt ctctgaataa attggtcatg tctaa 775

<210> 5156
 <211> 713
 <212> DNA
 <213> Homo sapiens

<400> 5156
 gttggagaaa tccaaagctg accaaaacat ggtccccacc ttttggagct tacagtctgt 60
 tctggggaac agagattcag ccaaagtcaa gaaacactgg atgccagcta gattatctgt 120
 tctgtgcttt ggtgtctata agtacatatg tggatatggg ttcattttat ccctaaactt 180
 agtaccaaac cagcatttaa tatctaatta taaatctaata ttggcctaaa ctttattatt 240
 gcacactgcc tgaacaaaac ctatttgtct ctatgtaaat ttttctctca tggaacaagg 300
 gtgtgaaatg aaaatatttt aggattttatk caaaracaga ctattctgtt ttcagcttca 360
 gaattgttct ttgaatccta aggaacctct gtcaacagtt gaggttgcgt ttgaaaagaa 420
 agaagaagga ggcggaaatc tctcaggagg aattatttcc tttcttttct atttcagata 480
 cctggagggg tggggagaag taagaattgt aaggagggtt cagtagtggg gaattctgtg 540
 acagctgatt gaagatgatg atgaagaacc tctgcattct agttaccctt tgcttcgctt 600
 tcacctcttg taaaattggg ctggcaacaa tgacattgtc atgctttatg tccaatatcc 660
 tcctgtcgag atctaattggt cttaatcgtg ccgtaaatgg aattccccca cca 713

<210> 5157
 <211> 529
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(529)
 <223> n = A,T,C or G

<400> 5157
 agcagctgca tctagggggc cttggtgaga ttacactca gagcctggtc gcccccggtt 60
 agcccagatt caaaagggtga acatctgttt gcagaatctg attcatgaga aggtgagttt 120
 attgttttca gtttagactt ttgggaagtt ggactagaga ggggagttgt tggggtcagt 180
 gctggcttaa cagaaaaacac agcgaatttc cctccagtt ctccccaagt ccactgaaca 240
 aggctagttc ctgcaccacc caggattcaa aggaagagc aaggagcag aacttgtggc 300
 agcaacaggt aaacttcaan aaggagggca ggatcccacc ctacagggtt ggganggan 360
 ccaaaggccc catctgtttc tcctccagga gttgtcaagg cagcagaaag gantcaccca 420
 gccaaaggag gagatggctc ancggggctg caccaagggg ccaagaggcc tnaccctgtg 480
 ctaaaccttc ctctcactcc cctaagcctg gtngaaaaga gtcagaaan 529

<210> 5158
 <211> 459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = A,T,C or G

<400> 5158
 ttcattttta aaaagcttct cttattatg ttgtgttta acaactkaa cgctatctct 60
 agaccaggaa taattatttg ctatatawta cagcaaaaaa tatgtatgta taaatggact 120
 cattcaaaat atataaagaa ctctattac aaagaaattg acaaacagcc cagtatatca 180
 atgaatataa aaatttgaga agatatttcc cataagaaga tatctaaatg aacattaggc 240
 atgagaaaac caaatttttag gatatcacta cacacctggg yrtagttaa aagactggaa 300

aatattaagt	gtgtggggaa	tgtagagcaa	ctgaaaatgg	cctacatctt	tcataggaaa	360
tgttaaaacc	aatacaawta	ctttggcaaa	actctgtccm	acmttttcta	cccmtttcac	420
ccagggcact	yccttccctg	gcttttgggt	tnccccggg			459

<210> 5159

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5159

ggatgccttg	gggcagaagc	tgcccagaag	gccccagcca	gggcctggag	agcagctcac	60
agtcttccag	ttctggagtt	ttgtggaaac	cttggacagc	cccaccatgg	aggcctacgt	120
gactgagacc	gctgaggagg	tgctactggg	gcggaatctg	aactcggatg	atcaggctgt	180
tgtgctgaag	gccctgagat	tgggccccga	ggggcgctctg	cgaagggacg	ggctgcgggc	240
cctcagctcc	ctgctcgtcc	atggcaacaa	caagggtcatg	gctgctgtca	gcaccagct	300

<210> 5160

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (540)

<223> n = A,T,C or G

<400> 5160

gtgggaactt	cccctactcc	ctggatgtgt	gtacctagca	cacttccttc	tcccaccctt	60
ttttccagtt	ggatttgttt	ttctgttctc	ttctgtcctg	tcttatactg	caactgtgtc	120
tcctagggga	cagatggcct	tctttgtcat	cttcaacttc	cacccccaga	gaggagtcag	180
agcmwtaact	caatcactca	gcccctccaa	agatagtgtg	tgtgtgataa	tctcataatg	240
ttgagaaccc	tgatgagata	cattgtcttc	ctctccctac	aatgcctctg	gggccaaggc	300
accattctt	cttgctatcc	tccatcccc	ttgaggcttc	cacttttttt	tttttttagac	360
ataaagctgg	gcacagcaa	ctgggcctgt	gggtgatgca	aagctgcttt	gctctgtatc	420
tgggctggga	cttgatctgt	ctcacaagga	aggccatgag	ggncataggg	ggaggaaggc	480
ttccttntcc	cccttcatct	ttctgnttcc	aaaggggtggg	tagggcaagg	aggggagtta	540

<210> 5161

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (683)

<223> n = A,T,C or G

<400> 5161

atacgatggg	gtgcttggtg	gatggggccat	ggaggtccgt	gagctggaac	tgggcacacg	60
ccatcccaga	gggctcagga	tgccccagga	aggaaagaag	ggcaacagac	tacacgattg	120
gacgtgtgtg	gttgactggg	atgaagttgg	agggaggggc	agggccttgc	aggggatttg	180
tactgatccc	agggaggaag	tggtggggct	tcatgaacta	ggatgaaagg	aggcccctga	240
gccatgacaa	ggggcacatc	caggatttcc	gccaccctga	atttagtaga	gctagtaggc	300
cctggctgct	actctgggca	gggatgccgt	cagccttgag	ggtcgccacc	cacctgtgtg	360
ttgccctctg	tcctggcggg	gaaacataca	ccccttgtct	caccaccaac	cttgcttgtg	420
tagtcnrcag	ggctgccctg	cccccaaggac	tcactgcatg	taccgggacc	cctaggcctg	480

gcctttgcag	catagttggg	agcttctgga	ttccatctgc	acctgtgagc	cccatgctgg	540
ctgtgcaactg	cgcgggcctg	agactgctgg	atacaatggt	gggcaacaac	tcagccagcc	600
tgatggcagc	ctcagaggct	tactctaacc	catcccagaa	taaatggaga	cttcatgtgt	660
tcattgtttc	attcactcaa	aaa				683

<210> 5162
 <211> 578
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (578)
 <223> n = A,T,C or G

<400> 5162						
ctgacctttg	tagagaatcg	gaccttcgac	atgcaatggc	caattgtttt	gaagcgtaa	60
taggagctgt	ttacttggag	ggaagcctgg	aggaagccaa	gcagttat	ggacgcttgc	120
tctttaatga	tccggacctg	cgcgaagtct	ggctcaatta	tcctctccac	ccactccaac	180
tacaagagcc	aaatactgat	cgacaactta	ttgaaacttc	tccagttcta	caaaaactta	240
ctgagtttga	agaagcaatt	ggagtaattt	ttactcatgt	tcgacttctg	gcaagggcat	300
tcacattgag	aactgtggga	tttaaccatc	tgaccstagg	ccacaatcag	agaatggaat	360
tcctagggtga	ctccataatg	caacgtggta	gccacagagt	acttattcat	tcatttccca	420
gatcatcatg	aaggacactt	aactttgttg	cgaacgtcgt	ttggtgaatn	atagaactcc	480
aggccaagct	agcggaggag	ctgggcatgc	aggagtacgc	cataaccaac	cgacaagacc	540
aagaggcctg	tggggcttcg	caccaagacc	ttgggcgg			578

<210> 5163
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 5163						
cagaaaattca	aataattctt	ttctgcttca	atgccagcag	aagggtcccc	aggtagacat	60
ggagaagcac	tttgttttta	ataggagggt	ttcatagttg	catctgaagc	cacctgggtc	120
tggtwawstg	tttctgtgca	ggtwkwgggt	ttggcattat	tcagtgttct	gatcaattct	180
atgcaactct	catagttcct	gttacttttt	agcattagct	gccaaatgac	ttcaaaaggc	240
tggggtgggt	gacttgactg	tgagactgga	ttataacatg	gacaaatctt	attttgctta	300
atgtgtttgt	gtgtgtgtgt	gtgtgtgtgt	gtgtatgtat	atatatatat	ataaatatct	360
ttcccaatat	gccccgttga	cagtgtttta	attcc			395

<210> 5164
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5164						
cagaaaacta	gcaggttaca	ttttataggc	tattgtagtt	ttatttacca	aatgatattc	60
tctaaatcac	ttcgaccaat	aaatgtattc	tcctctctaa	agcagagttg	tatcaactct	120
gtgggagcat	ttatgagctg	tcagtcccca	cacttctagc	cagaatcaca	ataaggctctg	180
gctgggtgtg	gggtgctgca	taggaaaggg	tctctggaga	agcaagaagg	gcacaatcat	240
ggcccactgc	tcccctcttc	ttctcagtgc	tctttgccct	ctcctgctgc	gatgcttctc	300

<210> 5165
 <211> 300
 <212> DNA

<213> Homo sapiens

<400> 5165

ccttcccacc	ttgtgagttc	tcccagcagt	tcctggattc	ccctgccaa	gcactggcca	60
aatctgaaga	agattacctg	gtcatgatca	ttgtccgtgg	gtttggtttt	cagataggag	120
ttaggtatga	gaacaagaag	agagaaaact	tggcgctgac	cctgttatag	tggttatagt	180
ggtgtcccta	aagggaggaa	atgatttcag	caaaactgg	tgaacagcgg	atgaagatat	240
ggaattcaaa	gctctaattg	acctttttga	agagaagttg	tggcttatgt	ggagtttaca	300

<210> 5166

<211> 655

<212> DNA

<213> Homo sapiens

<400> 5166

ccattgttag	catcgtacac	gattgtgatt	tttatgtcaa	aagaagccaa	aacttgcaat	60
actattttta	gcagacaaaa	aaaagaacta	agtataaaat	gtataaatat	ttttgacttg	120
aacatttggg	tggcactggg	tmmamgtaga	gcattccatcc	ttcggatgra	atgtttggaa	180
aaaagagact	tttaaaaagg	agacggttgt	tttaaaagagt	ctgttttaggg	gttaaagtac	240
tgtaactcac	gactgttaaa	aaataaattt	tcctgtgctg	ttaaaggagg	tttcacagta	300
ccactgagtt	agatttcagc	cacagatgct	tagctttttt	ttttgtctt	ttttttaagg	360
aggaagcctt	tgttttgttt	tcctgagccc	tcactctggt	tttgtgctgt	tactcggtag	420
agtcaagact	gttacttttt	agccatggct	gacattgtat	caataactaa	aactgaaaca	480
ttcaaaagcg	aacaggggaa	ccgagggcct	caagcgtgct	cagagccgtt	tcagacagtg	540
gaaatccatg	acaaacaaaa	ggatgtgatc	attaattgta	aagcgctttg	taaaattcac	600
atttacaaaa	taataaagtc	agttcaaacc	taaaaaaaaa	aaaaaaaaaa	aaaaa	655

<210> 5167

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5167

cacctgtgcc	cccaggtcca	aggtctctgg	caggtgcaca	ccagcccaac	tctgcagggc	60
ttctytcctt	gccaccaccc	ccaagccag	gaccccaactc	cttccccgag	gctgagctga	120
gccttttcca	ggggcagggc	ccaggagacc	attcccagaa	tccatggggc	agtagccagg	180
gctccggctg	ctggaggagg	cagctatcca	caaagcttcc	tgcccagag	ctgaggctga	240
ggccccggga	gaggcgggcc	ctacccaaac	actggctgct	ggcattccac	caagtgaacc	300

<210> 5168

<211> 345

<212> DNA

<213> Homo sapiens

<400> 5168

ttacttttga	ttgtgtctga	tggaactga	gttgttgccc	tttgtgaaat	gaaatttttg	60
gctcttgaga	aagaattctt	atgaattgtt	atgcgaattt	tatatattta	aagagggaga	120
tctggggctg	ttatttttta	acactttttt	tcataatata	tattcccagag	tagatatatta	180
taaaatatat	gtttctttca	ttatgtgttt	gtaaaattag	agtttaaata	aatatgcttt	240
gatgcatagt	tttgaactaa	tgtaacatga	tttttctttt	ttaaaacagc	ctgaaaaatgt	300
actagtgttt	aaaaataaag	atttccattt	tctccaaaaa	aaaaa		345

<210> 5169

<211> 703

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(703)
 <223> n = A,T,C or G

<400> 5169

cgcgacgggg	gttcagggaa	tatttactgg	gectctccgc	tccctctgct	cttggagggtg	60
ccatgagggtc	agtttagctac	gtgcagcgcg	tggcgctgga	gttcagcggg	agcctcttcc	120
cgcacgcaat	ctgcctcgga	gacgttgata	acgatacgtt	aaatgwacys	gtsgygrsag	180
mcrycagmgc	ggaagggtgtc	tgtgtataaa	aatgatgaca	gtcggccatg	gctcacctgt	240
tcctgccagg	gtaatgctga	cttgcgttgg	ggttggagac	gtgtgtaata	aaggaaaagaa	300
cctggttggtg	gcagtgaagt	ctgaaggctg	gtttcatttg	tttgacctga	cacctgccaa	360
gggtgttggtg	gcttctgggc	accacgagac	actaatcgga	gaggagcagn	gnccagtctn	420
caagcagcac	atccctgccca	acaccanggt	catgctgac	agcgacatcg	atggagatgg	480
gtgtcgtgag	ctgggtgggtg	gctacacaga	ccgtgtgggtg	cgagctttcc	gctgggagga	540
gctagggtgag	ggctctgaac	atctgacagg	gcagctgggtg	tccctcaaga	aatggatgct	600
ggaggggtcan	gtnnagacagn	ctctcagtga	ctctggggnc	actnggtctt	cctgaactga	660
tggtgtctca	gccaggtngg	tgcgttttgc	aattctnctg	ngt		703

<210> 5170
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 5170

acaaggacaa	gaaagaaagt	acggttgcaa	cggctggctc	gcatgcatgc	cgacatgatg	60
gaggatgttg	aggaagtata	tgccggagac	atctgtgcat	tgtttggtcat	tgactgtgct	120
rgtgagacaa	cattcacaga	caaagccaac	agcggccttt	ctatggagtc	aattcatgtt	180
cctgatcctg	tcatttcaat	agcaatgaag	ccttctaaca	agaacgatct	ggaaaaattt	240
tcaaaaggta	ttggcagggt	tacaagagaa	gatcccatat	ttaaagtata	ctttgacact	300
gagaacaaag	agacagttat	atctggaatg	ggagaattac	acctggaaat	ctatgctcag	360
aggctggaaa	gagagtatgg	ctgtccttgt	atcacaggaa	agcc		404

<210> 5171
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5171

gttccctctct	tcttgtgaga	ctgggtccagg	cagcccttct	ggacactgca	tgatcacagg	60
agcagccctc	tggcccataa	tgacggccct	gtcttcgcag	gtggccactc	gggcccgag	120
ccgctgggtg	aggggtgatg	ctagcctggc	ttattgcacc	ttccttttgg	cgggttggtt	180
gtcgcgaatc	ttcatcttag	cacatttccc	tcaccagggtg	ctggctggcc	taataactgc	240
tgttgtcact	ccactctcct	aggcgctgtc	ctgggctggc	tgatgactcc	ccgagtgcct	300

<210> 5172
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(593)
 <223> n = A,T,C or G

<400> 5172

agcatgccct	aaagagggac	cagctgtagt	aggtcagttt	attcaagatg	tcaagaactc	60
aaggctctaca	gattccattc	gtctcttagc	tctactttct	cttggagaag	ttgggcatca	120
tattgactta	agtggacagt	tggaaactaaa	atctgtata	ctagaagctt	tctcatctcc	180
tagtgaagaa	gtcaaactcag	ctgcatccta	tgcattaggc	agcatttagt	tgggcaacct	240
tcctgaatat	ctgccgtttg	tcctgcaaga	aataactagt	caacccaaaa	ggcagtatct	300
tttacttcat	tccttgaagg	aaattattag	ctctgcatca	gtggtggggc	ttaaaccata	360
tgttgaaaac	atctgggcct	tattactaaa	gcactgtgag	tgtgcagagg	raggraccag	420
gaatgttgtt	gctggaatgt	ctagggaaaa	ctcactctaa	ttgatccagg	aaactcttcc	480
ttccacggst	ttaagggggg	actttgattc	agggtttatt	catnattgnc	cgaagggttc	540
agtggtttta	cgggctgttg	aaatttttnc	aattttcttg	naccctntcc	aca	593

<210> 5173

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (447)

<223> n = A,T,C or G

<400> 5173

gacacattaa	aagagagata	tcaaaaaatt	ggtagacacca	aaaggaatac	tccatttgaa	60
gctctctgtg	agaactttcc	agaggagatg	gcaacctacc	ttcgatatgt	caggcgactg	120
gacttctttg	aaaaacctga	ttatgagtat	ttacggaccc	tcttcacaga	cctctttgaa	180
aagaaaggct	acacctttga	ctatgcctat	gattgggttg	ggagacctat	tcctactcca	240
gtagggctcg	ttcacgtagg	attctgggtg	atctgcaata	actygagaaa	gccacacaca	300
tagggatcgg	ccatcacaac	agcagcctct	tcggaaatca	ggtaggttag	ctcaaccaat	360
gggagagctg	gatgttggat	gatccccacg	ggagccccc	tcaccaatgg	acccattcac	420
agcttcatgc	cagaggtggg	aggtagt				447

<210> 5174

<211> 1170

<212> DNA

<213> Homo sapiens

<400> 5174

gggtgcagt	gctcactcct	ataatcccag	cattttggaa	gtcctatgca	ggaggattgc	60
cagaggccag	gaatttgaga	tcagcctggg	caacatagtg	aaactctcat	ctttataaaa	120
agtaatat	aaatttttaa	aagtgtataa	actgtaaagt	atattttact	gggtgtttct	180
tccttatcc	tacttgtcag	atgcaaatac	acatttttgt	gtgttttgt	ttagtaatta	240
taagtataca	tatttcattc	ttctatttca	tatatttcta	tgacattata	tcttagatgt	300
gtaatttatg	aactactact	ggattatatt	aatccattag	aaattactat	tcacgcattc	360
tgtattcaat	tcagtgtgata	gctaataata	ttggttttaa	atgcatctta	ttttgtgggt	420
ttcttctagg	ctgttttttg	tgctttcttt	taaaaatata	taggttttaa	taatctta	480
tttcttttag	tttgaaatgt	atatactcat	tttattcatt	agtctaagat	aagaattgta	540
acacttctct	aacctattat	agaattgtta	atacctttac	ccttctcttg	aacacatcaa	600
aggatgtcat	tgagtgttgg	tattggagta	tagcatatct	attattctgc	tcaattagaa	660
gatattgttc	atgttgtata	gagataataa	gtaattgtat	tgatctgcag	atgcatccat	720
ctcttggtat	ctcattcctt	ctaccactgc	agaactttca	cctgtaata	ctttcctttg	780
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ggatgtgaat	ggatacaatt	atatattgtg	tttatagttt	tcctgtgcta	taggaacagt	1020
attccccgaa	tctgatgcaa	aggacaacac	accctagaga	ttgtaacagt	gagatgaacc	1080
aagtgtattg	atgggtttt	gagttgtctg	aataatggag	ttacagtgt	caatgcataa	1140

gcaacataat aaattatata tctggtgaac

1170

<210> 5175
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 5175
 cgccgcacag ctgctgaatg scttgrryt wgstggygr ttwcmkrms ymgsrctga 60
 agctcagccc tggccaggtc cagaccttc tgctgtggg agcaggggccc ctggtcgtct 120
 actggtgct gtctctgtc ctcggcttg tcttgccct gctggggcgg atcctgtggg 180
 gctgaagct tgtcatcttc ctggccggct tcgtggccct gatgaggctg gtgcccagcc 240
 ctccaccgg ggccctgcta ctctggcct tgctgacct ctacgccctg ctgagccggc 300
 t 301

<210> 5176
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 5176
 ctgagatctg cttttactga agtggatcaa tgatgaaact agccaaatct gagcatcaga 60
 agkctttccr gtctacctga tgcattgat ctacagttct gagaagcara actataaaac 120
 aatgtaaaac aataaggcca tatgtctggt gtgtgtgtgt gtgtgtgkgt gtgtgtgtgt 180
 gtgtgyacsc acaygtgttt ataaagrtar cagytgtagg aatgaatgag attgrgggtg 240
 rgggggtgcr tatgtatgtc tatgaaagcc taatcatttc tgggcaatga tgwaaagggt 300
 tttactactga tctttgtaac tatgatggtt tctacacttg acctgggct 349

<210> 5177
 <211> 907
 <212> DNA
 <213> Homo sapiens

<400> 5177
 gctgtacgga gagtgctgga ccgaggggag ctgggagcag gtactgcctc catectgagc 60
 tgccgtcctt tgaagggaga acctggggta gggttcgagg agcctggcra gaactgtgca 120
 cctcctcggg aggagcagcc cctcctgtg ctgctttccc cctcccttca atatgctggg 180
 gcggagacyc kggcctccaa agtgaattc cgggacccca aatcccagcg gacgcaccag 240
 gctcaggtgg cgttccagg gtgtgtgcgc cctggctcct acaccccggg acccccttcc 300
 gctgcccttg gagaacctcc tgacctcac ttcagtccag ccgaacttga gtgggtcact 360
 aaggagaagg gggccacact cctctgtgcc ctgctggtac ggggtggaatg aggggtgaga 420
 caccactact acaagcacag tcgggcccgg ggcattggga ctctgagtgg cgactgtccc 480
 acctcattcc cgtgactcgt ggcattgcga ggtgctggar cttggcagcc gcgcaggagc 540
 atgtaggcag gctctcagat gtaggtggca agtggcacag ctccatgtcc ggaggcccag 600
 cactccgtct gatgggagga gycgtgggag cccagctcca ggccctggta cccctcttca 660
 tgcactgatt tggggaacat gactccctt tactccccta cccacatca ctttaatttat 720
 ttccgttttt gtttctggtt actgtgaatc ccagaggagt ctctccctgt gccacatga 780
 agctgctttt tccggggcca ccgggcggga gtggggaagg gtgggcgcac ggaagatggg 840
 ggccctctgta cagttgttac tgactctgat ttctaaggag ccaataaaca ccgtctcaga 900
 aaaaaaa 907

<210> 5178
 <211> 865
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (865)
 <223> n = A,T,C or G

<400> 5178

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accataaagg	tttaaaagaa	aataggggca	caggctgttg	aggtttttat	gttggtatag	120
acctttttta	attatgttag	agatgtatat	aggtatttaa	aggtcactgg	gagcgtttct	180
gattcccggc	cacactttgc	atttcaacac	tcagcccggg	aagatgctcg	ttcggttgtt	240
ggacctcttt	cactccctgc	gtgtaagaag	gtgaatcacg	tgggaaaaag	tggmtyytya	300
gtaaacgggt	acagctcatt	ctttctgaga	aggccccagg	tcctgctccc	tcctcggatt	360
tgattgtctt	ccgtgctttg	cctcactcgt	agttaaagac	catccataga	atatgtgaat	420
ctttggtgag	cttcagtggg	cagagtgaag	tcccgcat	gcatttaggt	gccctgagct	480
gtttctgcc	atagattaga	aagcagccat	gagttgacag	tctttagggc	ccctgccagt	540
gtgcaattag	tcattgacaa	gaacaatgcc	atgtgagagt	gaggtggtcc	ctgctgctac	600
gaggccattg	tactgttttt	tccttgaggt	caaagcagtg	cttcccatag	agtttgctgc	660
ctcttctgtg	gacaggaaga	aaacttcatg	accgaatcag	agccttggtg	gccactgact	720
ctcgtgctta	ttgcagatgc	tgtggttggc	ctcacaagca	acgccttatg	ctgatgtgca	780
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ctcttntctc	cgggggttan	ccgtg				865

<210> 5179
 <211> 952
 <212> DNA
 <213> Homo sapiens

<400> 5179

tgcaacatca	ctgatatcag	catcctttaa	aatattatct	gmywcttgtt	ctragagcma	60
saaagctggg	aattcyttga	yaragtkawk	masaatgcmk	mcawaatgaa	tgcatgyasr	120
ctrytrtggg	ttactagaca	tcaaagtaaa	ggagcagctc	ttggaaaatc	taatcaaggg	180
aaggaagatc	tatgaacctc	cacggtatat	gagtgtaaac	caagcagccc	agcagcttct	240
ggagattgtt	caaaatcaaa	gaatacgagg	agaagaacca	gcagttaccg	aggagacact	300
ttgtgttggc	ttagccaggg	ttggagccga	cgaccagaaa	attgcagcag	gcactttaag	360
gcaaattgtg	actgtggact	tgggagaacc	attgcattcc	ttgatcatca	caggaggcag	420
catacatcca	atggagatgg	agatgctaag	tctgttttcc	ataccagaaa	atagctcaga	480
atctcaaagc	atcaatggac	tttgaacata	gatatttacc	attgtctgat	gtaaatttca	540
gccatatatg	gattgatatg	gtttggatgt	atccccaccc	aagtctcatc	ttgaatttta	600
atcctcataa	ttcccaggtg	ttgtggtagg	taattgaatc	atgggggcag	tttccctcat	660
gctattctca	tgatagttag	ctttcatgag	atctgatggg	tttataagtg	cctggcattt	720
ccctactggg	ctctcattct	cactcttgcc	gccctgtgaa	gaggtgcctt	ccaccgtgat	780
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tttataatta	cccagtctcg	ggtatttctt	catagcagtg	tgagaatgga	ttaatacctg	900
gatgcatgca	tgtttgtgta	acaaacaggg	cttttggtct	atctagtaag	ta	952

<210> 5180
 <211> 657
 <212> DNA
 <213> Homo sapiens

<400> 5180

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ccagcacttg	tattgattat	ttttcatttt	gataatgttg	ggttttttaa	aactccttta	120
tgatggaaaa	tttcaaacat	acacaaaagt	agagagagaa	tggataata	aaccactca	180
gttttaaggga	ttgtcaacta	ataccagttt	tatttcatgt	atgactccaa	caacttccc	240
aaccagcctt	cagattattt	gaaagcaaat	ttcagacatc	gtattttact	catacatttt	300

ctagtatcta	aatctggaag	agactctttt	ctaacagttc	tgtagcatta	attatactca	360
tactgttgtg	caacaaatat	ccagaaatct	tttgtcttgc	gaaactgaac	ctcttaccca	420
ttaaactacta	actccctttt	ttttcaccct	gaaccatkgg	caaccacaat	tttactttct	480
ttttctgtga	gtttgattac	ttgatacttc	atgtgagtg	aatcatataa	tayyytctt	540
tytgtgactg	acattttatt	tagcttaatg	tcttcaagtt	tgacccatac	catatcatgt	600
ggcaggattt	ttcccttttt	ttttttttca	gacggrgytc	gytctgtcgc	caggtgg	657

<210> 5181
 <211> 969
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (969)
 <223> n = A,T,C or G

<400> 5181						
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gccaggaggc	ctkcctggag	gcggtgctac	gtcgactaca	ggsacagtgt	cggcaggaac	180
tggccaggct	ggtgggagcc	cgccttggtc	tcactctggat	cccgccacct	ggacgctgag	240
ggcctgtcga	cgggccctcg	tgtgggaagc	ctgccctggc	ccagcctggc	tgggtcttgg	300
aggagcagat	tccaaggcag	gtggcgagc	gacgatgcag	atgcagagcc	cacgtcacat	360
gctcgctcca	ggggtggggc	tgggctgact	ctggccggat	cccaggcctg	tggctagcag	420
cactggggac	aggaatggct	ggtcccttga	ggaggtcgtg	acaggctcag	cctgggtggtc	480
tggaggggac	tcggaaataa	attgtagcag	ctttcctgcc	gctggccctc	cccctgccac	540
cctgtcgggt	ttccctgttt	gggggtggga	gcgtggagga	gcccctggca	gttgggtggc	600
agtgtagggc	tggccaggtn	ctggaggaca	tgcatacccc	agcactggtg	agtggcagga	660
ccacggggag	gtggcacagg	cctccctgga	gcnggattat	ctcgcccccg	cccccttca	720
tttgggctcc	cgctgtgggc	ctggcctggg	ctgtgagcac	agcttgcccc	nacctccggc	780
catggctgtg	nctggtgggt	ncgccggatg	ggagcccggt	gctcttgctt	cctttncctg	840
ggaagtgggt	tgcttccggg	tngggaggna	cagcattggg	acaagagggg	ttttntttcc	900
anaaggctgt	caagcaaatg	tnaagttgat	tccctgacaa	agaagcatnt	gttttcccg	960
ngaacttgc						969

<210> 5182
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 5182						
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aaaaatacaa	tggcttattt	aaaatgtccc	tatgcatggg	gaaatgttaa	ataccaagtg	120
gatgaatggg	tctcaaatat	attgtaattg	agaattattc	acatgcatct	attgtttaaa	180
ctaataagta	aaatagactt	cctttttctg	ttctgtttta	aatgtgcact	aaaattacct	240
gcttgtgggt	aagcatgggc	tggacagtgt	attgattttt			280

<210> 5183
 <211> 758
 <212> DNA
 <213> Homo sapiens

<400> 5183						
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gtcaagtaca	cagagagacg	gcagccgctg	tacagattca	tcaccacgat	ctgtgccatc	120

attggcggga	ccttcaccgt	cgccggcatc	ctggactcat	gcattctcac	agcctctgag	180
gcctggaaga	agatccagct	gggcaagatg	cattgacgcc	acacccagcc	taatggccga	240
ggaccctggg	catcgccagc	cttgccctcca	gtgccctgtc	tcctttggcc	ctcaatctgg	300
tcccaaattct	ggctgtgtcc	caaagggtgt	gtgggaagtg	gggggaaagt	agaggatggc	360
tcgatgtttt	gcagctacct	cttttccccg	tgtttctttt	tagacaaatt	acactgcctg	420
aagttgcagt	tcccctttcc	ctggggagcc	ccaagaacag	agtcaggcaa	ggggtgggga	480
gtccagggat	cttggggacc	cctcctagga	gagctgcagt	ctcttccttc	aggggaacat	540
cccagaatgc	atatcgatca	gctctcagcc	aggcttcgac	aatctcgcag	ccccactag	600
gtggacacat	taatgatttk	gtttctcccc	tgggcagcca	acctgcccc	gaggcaccag	660
acctgggctt	tctagctttt	gggaccaggc	tgcccaaagg	tactccttta	tacacccggc	720
accttccacg	gagatgggta	ctttcccaag	caagcccc			758

<210> 5184

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5184

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tttgactaag	cctccctccc	ctactccctc	ctttccttcc	ttccttcctt	cttctctatc	120
aatataatca	ctttgtttct	ttcaggtgag	atcgactgg	aactgttcgg	ctgcgaccag	180
aaatttattt	tcctgagtaa	attgccgaga	attaagaatg	aagagggcca	tttgcattct	240
cttaaattat	tcagttacct	gctttattgc	tccatgtgga	aaacttaaaa	ttgttaagtt	300

<210> 5185

<211> 333

<212> DNA

<213> Homo sapiens

<400> 5185

atccagagaa	atgatgtgcc	ttgtgtaaaag	ttgtggttag	gaagggacag	agccaggact	60
ctaaattctg	tcctccggcc	ataattccaa	aactttctcc	aatgttaggt	atgtaggcta	120
aaatgtgcta	acagcacttg	tgtttttgtt	tccttttgtt	ttacttttta	ttatggcaaa	180
tttcaaacat	atacagatac	agaatagttt	aatgaactcc	catgttctca	tcatgccagt	240
tcaaacatga	atacatgggc	aaccttgtat	cacttaaaact	cytgcasaca	agccctgccc	300
catcctgttg	ttttgaataa	aatccatcat	tgt			333

<210> 5186

<211> 555

<212> DNA

<213> Homo sapiens

<400> 5186

aaaacactat	ttacctat	tccaaggaag	gaagtattga	gattgacatt	ccagtcccca	60
aatacttata	ttctgtgagc	tcacaagaaa	ctcagggcgg	cccccttagc	tcctatgact	120
ggaaccatt	gaaaagggtg	ttgtcaaagc	tggagacaaa	gtgaaagcgg	gagattccct	180
catggttatg	atcgccatga	agatggagca	taccataaag	tctccaaagg	atggcacagt	240
aaagaaagtg	ttctacagag	aagggtgctca	ggccaacaga	cacactcctt	tagtcgagtt	300
tgaggaggaa	gaatcagaca	aaagggaaatc	ggaataaact	ccagcaagga	aatggccagt	360
taagtagtgt	cttctctctc	caccaaaaag	aggaagtgcc	tccagctttt	ctgggggtct	420
cataaagagc	agttttacta	aatgattgta	tgettattgt	gaacaccttt	catattggag	480
aatcatgcat	ttgggtcact	aattatctca	aaatatttca	tactaataaa	gttgaattat	540
tttttattgg	aagcc					555

<210> 5187

<211> 1029

<212> DNA

<213> Homo sapiens

<400> 5187

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aacaggaata tggaaagaaa ctacagagccg agttagtggg aaagtggaaa gcagagagag      60
aggctcggct ggcaagagga gaaaaggaag aggaggaggga agaggaggaa grgatcaaca      120
tctatgcagt caccgaggag gagtccgacg aggaaggcag ccaggagaaa ggaggggacg      180
acagccagca gaagttcatt gctcacgtcc ctgttccctc gcagcaagag attgaggagg      240
cactgggtgcg aaggaagaaa atggaactcc tccagaagta tgcaagcgag accctgcagg      300
cccaaagtga agaagccaga aggtccctgg ggtattagga ccagctggg gctctccttg      360
gagttcttcc atccccagc ggtacctcag gaccagggc tkcagacaca ggctggtgct      420
gcaagggtcc ctgtcccatt ctacgccttc ctccctctc cttgtctcat gttgaccgga      480
gggtaggggt ctgtccctgg tcttcctggg aggttttgta cacatatattt gctactgtgt      540
ggatccattt atttttattg tggagtgtat acaacagggt gcgaactggc tgcctgtgtc      600
ttattttgac ttgactgcc attttgaggg gagaagaatc aattagtggc aaacatttaa      660
aaatgcaatt ttttgagac caaagtataa ttttaaaaaa tgcaaatattt ctaaaagaca      720
catctcttga aaaatgagat gatgtggcca ggcgcaagtg cacgcctgta accccagcac      780
tttgggaggc cgaggcgggc gggtcacgag gtcaagagat ggagaccatc ctggccaaca      840
tggtgaaacc ccattgtctac taaaaatata aaaaaattag ctgggcgtac tggcatgcac      900
ctgtagtccc agctgcttgg gaggtgagg caggagaatc acttgaaccc gagagggtga      960
ggttgaagtg agcaagactc gtgccattgc actccagcct ggcgacagag tgagactctg     1020
tccccccac                                     1029

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<210> 5188

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 5188

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tattgacgtg aatcccactg tggatatagat tccataatat gcttgaatat tatgatatrg      120
ccatttaata acattgattt cattctgttt aatgaatttg gaaatatgca ctgaaagaaa      180
tgtaaaacat ttagaatagc tcgtgttatg gaaaaaagtg cactgaattt attagacama      240
cttacgaatg cttaacttct ttacacagca taggtgaaaa tcatatttgg gctattgtat      300
actatgaaca atttgtaaat gtcttaattt gatgtaaata actctgaaac aagagaaaag      360
gtttttaact tagagtagcc ctaaaatatg gatgtgctta tataatcgct tagttt      416

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<210> 5189

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(572)

<223> n = A,T,C or G

<400> 5189

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aatggcctgc ctcacacgtc agccagaacc cagctgcccc agtcaatgaa gattatgcak      60
gagatcatgt acaaaactgga agtgctctat gtcctctgcy tgctgctgat ggggcgtcag      120
sraaaccagg ttcacagaat gattgcagag ttcaagctga tccctggact taataatttg      180

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tttgacaaac	tgatttggag	gaagcattca	gcattctgcc	ttgtctcca	tggtcacaac	240
cagaactgtg	actgtagccc	ggacatcacc	ttgaagatac	agtttttgag	gcttcttcag	300
agcttcagtg	accaccacga	gaacaagtac	ttgttactca	acaaccagga	gctgaatgaa	360
ctcagtgcc	tctctctcaa	ggccaacatc	cctgaggtgg	gaagctgtcc	ttcaacaccg	420
acaggagttt	gggtgtgtga	tgagggaagag	ggggcttatt	taactcgtct	ggttgcaggt	480
tcatggaaga	agggagccag	caggagtcgt	cttttcaggt	tttnggcaag	ctcggggntg	540
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<210> 5190

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5190

taagaatcca	ccaccaccca	tcaattttca	ggaatgggat	ggtctagtaa	ggataacctt	60
tgtaggaaa	aacaagacac	tctctgctgc	atttaaatac	agtgcagtc	aacaactctt	120
ggaaaaaac	tacagaattc	actgttcagt	ccataatatt	ataataccag	aagatttcag	180
catagcagat	aaaatacagc	aaatcctaac	cagcacaggt	tttagtgaca	aacgggcccc	240
ttccatggac	atagatgact	tcatcagatt	gctacatgga	ttcaacgcag	aaggatttca	300

<210> 5191

<211> 553

<212> DNA

<213> Homo sapiens

<400> 5191

ggtacacgaa	gaggtgataa	tgacagccac	caaggagatt	tgagagccat	tttagaggca	60
tctgttctat	cttcccatca	taaaaaaagc	tctgaggaac	atgaatacag	tgatgaagct	120
cctcaggaag	atgagggctt	tatgggcatg	ccccctctct	tacaagccca	tcatgctatg	180
gaaaaaatgg	agaattttgt	ttgtaaggta	tggaaggtc	ggtggcgagt	gatccctcat	240
gatgtactac	cagactggct	caaggataat	gacttctctt	tgcatggaca	ccggcctcct	300
atgccttctt	tccgggcttg	ttttaagagc	attttcagaa	tacacacaga	aacaggcaac	360
atttgacac	atctcttagg	tatgtaatgt	cagtgatgta	atgagctggg	gattcacttt	420
cttccttttt	attttcatgt	atttgagggt	aagcacagaa	cttcagaaat	gtatttggat	480
ttgccatttt	gttttctgaa	tttctaata	tgaattttct	gactggttta	ctcgtagttt	540
atcctggttt	gca					553

<210> 5192

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5192

atcagtatga	actcttaaaa	catgcagaag	caactctagg	aagtgggaat	ctgagacaag	60
ctgttatgtt	gcctgagggg	gaggatctca	atgaatggat	tgctgtgaac	actgtggatt	120
tctttaacca	gatcaacatg	ttatatggaa	ctattacaga	attctgcact	gaagcaagct	180
gtccagtc	gtctgcaggt	ccgagatatg	aatatcactg	ggcagatggg	actaatatta	240
aaaagccaat	caaattgtct	gcacaaaaat	acattgacta	tttgatgact	tggtttcaag	300

<210> 5193

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5193

gaaccaagaa	aatatttaaa	aatctaagca	gtcctttgct	cattaaagga	taaatcagta	60
------------	------------	------------	------------	------------	------------	----

gttaacactt	tttctacaaa	gaaatggtgt	gcctggatgg	tcgtgtaggt	gagttttacc	120
aaggattatg	gtaacaaatg	agtgagacct	ctatggagaa	aatattgaag	gacattaaag	180
aagacctcat	aaatggagag	agatatatca	ttaatggata	ggaagcctca	atggcataag	240
tatgtcagtt	tctttcaaaa	ctcacctatg	gattcaatgt	gattccaaac	caaatcccaa	300

<210> 5194
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 5194						
ggacaagtcc	aagaaactgg	cggagcaggg	tcagaccatc	gtctgtctgc	ggagccaggg	60
cctccctgag	ggtcggctgg	gtgaggagag	cccttccttg	cacaagcgaa	agagggaggg	120
tcttgaccaa	gaccttgggg	gccccagagc	tcaggagcta	gcacaacctg	gggatctgtg	180
caagaagccc	tttgtggcct	tgggaagtgg	tgaagaaagc	cccctggaag	gctggtgact	240
actcttcctg	ccttagtcac	ccctccatgg	gcctgggtgt	aaggtggctg	tggatgccac	300
agcatgaacc	agatgccgtt	gaacagtttg	ctggtcttsc	ctggcagaag	ttagatgtcc	360
tggcaggggc	catcagccta	gagcatggac	caggggccgc	ccaggggtgg	atcctggccc	420
ctttggtgga	tctgagtgc	agggtcaagt	tctctttgaa	aacaggagct	tttcaggtgg	480
taactcccca	acctgacatt	ggtactgtgc	aataaagaca	cccctaccc	tcaccacagg	540
ctggctgctt	cagccttggg	catcttcata	aatgg			575

<210> 5195
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (477)
 <223> n = A,T,C or G

<400> 5195						
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aagtacttcc	tattgaagac	agtggaccag	cacatgaagc	tggccttctc	caaggtcttg	120
cgacagacaa	agaagaaccc	ctctaattcc	aaggataaaa	gcacgagtat	ccggtacttg	180
aaggcccttg	gaatacacca	gactggccag	aaagttacag	atgacatgta	tgcagaacag	240
acggaaaatc	cagagaatcc	attgagatgt	cccatcaagc	tctatgattt	ctacctcttc	300
aaatgcccc	agagtgtgaa	aggccggaat	gacacctttt	tacctggaca	cctggaggcc	360
agtgggtggg	cccccaaca	ggccaatct	ggttaytcag	tccagcctat	tcaggcagag	420
aggcagatgg	gggacaattg	tttgacgcgg	gttcnggggt	gattaaggag	gaanttt	477

<210> 5196
 <211> 555
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (555)
 <223> n = A,T,C or G

<400> 5196						
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tctatgcctt	tccggtgct	catcccgctc	ggcctcctgt	gygcgctgct	gcctcagcac	120
catggtgcgc	caggtcccg	cggctccgcg	ccagatcccg	cccactacag	ggagcgagtc	180

aaggccatgt	tctaccacgc	ctacgacagc	tacctggaga	atgcctttcc	cttcgatgag	240
ctgcgacctc	tcacctgtga	cgggcacgac	acctggggca	gtttttctct	gactctaatt	300
gatgcactgg	acaccttgct	gattttgggg	aatgtctcag	aattccaaag	agtgggtgaa	360
gtgctccagg	gacagcgtgg	gactttgata	ttgatgtgaa	cgcctctgtg	tttgaacaa	420
acattcgagt	ggtagggagg	actcctgtct	tgttcattctg	cttttccaag	aaggctgggg	480
tgggaagtag	aggctggatg	ggcctgtttc	cggggctttt	ccttgagaat	tggctnagga	540
nggcggcccc	aaaat					555

<210> 5197
 <211> 1175
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1175)
 <223> n = A,T,C or G

<400> 5197	
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tgtacctcca	aagagaacag ttaaaagaaa tataccaag ctggatgctc agagattaat 180
ttcagagaga	ggacttccag ccttaaggca tgtatttgat aaggcaaaat tcaaaggtaa 240
aggtcatgag	gctgaagact tgaagatgct aatcagacac atggagcact gggcacatag 300
gctattccct	aaactgcagt ttgaggattt tattgacaga gttgaatacc tgggaagtaa 360
aaaggaagtt	cagacctgtt taaaacgaat tgcacttgat ctccctattt tacatgaaga 420
ttttgttagc	aataatgatg aagttgcgga gaataatgaa catgatgtca cttctactga 480
attagatccc	tttctgacaa acttatctga aagtgagatg tttgcttctg agttaagtag 540
aagcctaaca	gaagagcaac aacaaagaat tgrgrgaaat waaccaactg gccytggaaa 600
gaaggcaggc	maagctgctg agtaatatgc agaccctrgg aatgatatg ttaatgaata 660
caccacaggg	acacacgggt gaagagggtta atactgatga ggatcaaaag gaggagtcaa 720
atggattaaa	cgaagacatt ctggacaatc catgtaatga tgctattgcc aatactttaa 780
atgaagagga	aacactgctg gaccagtctt ttaaaaatgt gcaacagcaa cttgatgcta 840
catccagaaa	tattactgaa gctagataag tttccattaa gagaaaatgt atctgttaag 900
tcatcgctct	gcaagcttgg cgttactatg tattttttct tcttggagtg aaaatcctta 960
gatagtaaaa	ctgttataga ttattgttta aaatctgata atctgggtatt tatttataat 1020
tatggggctt	gtcacttttag ttaaatctat ttgtnctctt tagtgtttgt ttttataatag 1080
gtatttcttc	ataaaatgat taggaggtta tangcagttt ctgctgctgg tctgtcattg 1140
aatgccttgt	tttactaag ttgggaggtt tggtt 1175

<210> 5198
 <211> 752
 <212> DNA
 <213> Homo sapiens

<400> 5198	
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aacaagtttg	ccttctccta tgttttccag aaatgacttc agtatctgga gcatcctcag 120
aaaatgtatt	ggaatggaac tatccaagat cacgatgccg gttatattta atgagcctct 180
gagcttccta	cagcgcctaa ctgaatacat ggagcatact tacctcatcc acaaggccag 240
ttcactctct	gatcctgtgg aaaggatgca gtgtgtagct gcgtttgctg tatctgtgtg 300
tgcttctcag	tgggaacgga ctggaaaacc tttcaaccca ctgctgggag agacttatga 360
attagtgcga	gatgaccttg gatttagact catctccgaa caggctcagcc atcaccaccc 420
aatcagtgca	tttcatgctg aaggattaaa caatgacttc atctttcatg gctctatcta 480
tcccaaactg	aaattctggg ggaagagtgt agaagcagaa cccaaaggaa ccatcacctt 540
ggagctcctt	gaacacaatg aggcatatac atggacaaat cccacctgct gtgtgcataa 600

tatcattgtg	ggtaaactgt	ggatcgaaca	gtatggcaat	gtggaaatta	taaaccacaa	660
gactggggac	aaatgtgtgt	tgaattttaa	gccatgtggc	ctttttggta	aggaattaca	720
caaagttgaa	ggctacattc	aagataaaag	ca			752

<210> 5199
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5199						
aagagaagct	gagacttctg	cttccacacc	ccctgcaagt	gctttcttga	aggcctgggt	60
gtatcgggca	ggagaggaca	cggaggagga	ggaagatgag	gatgtggata	gtgaggataa	120
ggaagatgat	tcagaagcag	ccttgggaga	agctgagtc	gacccacatc	cctcccaccc	180
ggaccagagg	gcccaacttc	ggggctgggg	atatcgacct	ggaaaagaga	cagaggaaga	240
ggaagctgct	gaggactggg	gagaagctga	gccctgcccc	ttccgagtgg	ccatctatgt	300

<210> 5200
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 5200						
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ctcaggcctg	gttgtggata	gcggcctgtg	tggagaggag	ctgcttgtrg	gcagtgagga	180
ggcggacagc	atcaccttgg	gccggtatct	ccggcagctg	gcacgccatc	ggaacttcct	240
gtggttcgtg	agcatggacc	tgtgagcagg	cttscastgs	cwctwcrmcw	gyaayyycw	300
cmctctcttc	ctggagcatc	tgtgtccga	ccatatctcc	ctttccacgg	gctccatcct	360
gttgggcctc	tcctatgtcg	ctccccatct	caacaacctc	tacttccctg	ccctgtgccg	420
gcgctggggc	gtctacgcgg	tggtagcggg	gctcttcctg	ctcaagctgg	gacttagcct	480
gctcatgttg	ttggccggcc	cggaccactc	agcctgctgt	gcctcttcat		530

<210> 5201
 <211> 837
 <212> DNA
 <213> Homo sapiens

<400> 5201						
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ataaaatact	cacttcttcg	ttaaaaaaa	aaaaatttac	ttcttacaat	tctggaggcc	120
aggaagacca	tgatcagggt	ccagcatctg	ggaaggccct	tcttgctgtc	ctcccatggc	180
agaagatgga	agggaagg	agagctaaca	tgctcccga	aacccttttt	ataatggcat	240
caatcaaata	tgaggccaga	gtccttgtga	cctaatacat	tccaraagg	ctccgcyyc	300
aaccctgttg	cattgggatt	aagtttccaa	cacatgaatt	gtggagacaa	cacattcaaa	360
acatagcatt	ccacaccttg	ggctccccag	attcatgtcc	tcacatgcaa	aataaattca	420
ttccatccca	atagccccta	aaaagtctta	acttgttcca	gcatcaactt	taaagtcaaa	480
gtccaaagtc	tcattctaaat	cagatatgag	tgagactcaa	ggcatgattc	atcatgagac	540
aaaggatgta	catttgcaat	gtttgtcatg	tcagacaaaa	caaaaatatg	taaatatcca	600
tcaataggga	actgctgaaa	aatttttttg	tataatcata	aaatgaaaca	tgcagatgtt	660
taaaccaatg	agctagatct	caacgtgctg	atatggaaaag	tgcttcagaa	tgtattaaag	720
acataaatta	agtgatcaat	aatgtgtgtg	tgtgtatata	tgtatatgct	tacgtgtgta	780
tggaaagtat	ctcagcagat	acaataaaaa	cttaattgtg	attaaaaaaa	aaaaaaa	837

<210> 5202
 <211> 589
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(589).

<223> n = A,T,C or G

<400> 5202

caagaagaaa	catggcggct	atccttctct	cacatcgaaa	aggaaatttt	gaacaatcat	60
ggaaaatcta	aaacgtgctg	tgaaaacaaa	gaagagaaat	gttgcaggaa	agattgttta	120
aaactaatga	aatacctttt	arwwcrgcws	aragaaagg	ttaaagacaa	aaaacatctg	180
gataaattct	cttcttatca	tgtgaaaact	gccttctttc	acgtatgtac	ccagaaccct	240
caagacagtc	agtgggaccg	caaagacctg	ggcctctgct	ttgataactg	cgtgacatac	300
tttcttcagt	gcctcaggac	agaaaaactt	gagaattatt	ttattcctga	attcaatcta	360
ttctctagca	acttaattga	caaaagaagt	aaggaatttc	tgacaaagca	aattgaatat	420
gaaagaaaca	atgagtttcc	agtttttgat	gaattttgag	attgtatttt	ttagaaagat	480
ctaagaacta	gagtcaccct	aaatcctggg	agawtacaag	awaaatttgg	aaaagggggc	540
agacgctgtg	gcttcacacc	tgtagtcccc	agcttctttt	ggngggggcc		589

<210> 5203

<211> 551

<212> DNA

<213> Homo sapiens

<400> 5203

gcatttggcc	cattggccgc	attctgctga	cccatcacct	tggtgctttt	tctgcttttt	60
ctcygtygtm	ctctgtgtgt	gttcctttgt	cctgatcctt	gtcaccttgt	gggtccaaaa	120
tggttccact	agcctcatgg	agcctggcct	tacattgcag	agtccaaagc	aggagctgag	180
ggaaaatgaa	aaacaacttc	ttcatcaccc	gaagcccagc	aaacttctcc	ttaaaaatca	240
ctgggtcaggg	ctgggtgcag	tggctcacac	ttgtaatgcc	agcactttgg	gaggctgaga	300
tgggcagatc	acctgagggt	aggagtccga	gaccagcctg	gccaacatgg	tgaaacctca	360
tctctacaaa	aatgcaaaaa	ttagccgggc	ctggtggcgt	gtgcctgtaa	tcccagctac	420
tcaggaggct	gaggcaggag	aatttcatga	acctgggaag	cggagggtgc	agtgagccaa	480
gactgtgcc	ctgccttcca	gcctgggtga	cagaatgmga	ctctatcttt	araaacacaa	540
aacaagtcga	c					551

<210> 5204

<211> 345

<212> DNA

<213> Homo sapiens

<400> 5204

gtccagaaat	actctgatac	tagctatggt	cagcaacatt	taatgaaaac	scttatgtta	60
aaaataaacc	cctgcctcct	ggcttcaagc	gattctcctg	cctcagcctc	ctgagtagct	120
gggagtatag	gcacgtacca	ccacaccacg	ctaatttttt	gtatttttac	tagagatggg	180
tttcacagt	ttagccagga	tggtttcgat	ctcctgacct	catgatccgm	ccgcctmggc	240
ctcccaragt	gctgagatta	caggcgtgag	tcactgtgcc	cggcctcaaa	atsttargaa	300
aaggttcttt	tgggtgcatg	gagttttaca	tgggaataaa	ttagt		345

<210> 5205

<211> 458

<212> DNA

<213> Homo sapiens

<400> 5205

ggatattcat	taccctgaga	atgaaatgac	ctgcaattcg	aaaatcagct	gtatcagttg	60
------------	------------	------------	------------	------------	------------	----

gagtagttac	cataagaacc	tgtagctag	cagtgattat	gaaggcactg	ttattttatg	120
ggatggattc	acaggacaga	ggtaaaggt	ctatcaggag	catgagaaga	ggtgttgagg	180
tgtagctttt	aatttgatgg	atcctaaact	cttggttca	ggttctgatg	atgcaaaagt	240
gaagctgtgg	tctaccaatc	tagacaactc	agtggcaagc	attgaggcaa	aggctaattgt	300
gtgctgtgtt	aaattcagcc	cctcttcag	ataccatttg	gctttcggct	gtkcagatca	360
ctgtgtccac	tactatgatc	ttcgtaacac	taaacagcca	wcatgggtat	tcaaaggaca	420
ccgtwaagca	gtctcttatg	caaagttttt	gagtggtt			458

<210> 5206

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (548)

<223> n = A,T,C or G

<400> 5206

atggtgtttt	cacctggaag	ctgagaagaa	aggggcttta	atggaacaaa	tagcacatca	60
agctgttgta	atgcagttta	ttatggaaat	ggccaaaaac	tgtaattgtg	atccaagagg	120
gtgttttcgt	ttatttttcc	agaaagccaa	agcagaggaa	gaaggttatt	ttgaagcatt	180
caaaaatgaa	cttgaagctt	tcaagtcaag	agtaagactt	tattctcaat	cacaaagttt	240
tcaacctatg	acagttcaga	atcatgttcc	ccattctggt	gttggtatca	taggtttatt	300
agaatcctta	ccacagaatc	cagattatct	tcagtattct	atcagtacag	ctctctgcag	360
cttaaactcg	gtggtacata	aagaagatga	tgaacccaaa	atgatgggac	actgtataat	420
ttgggttaag	actgtcgagg	ccaagtgcta	ttttgttaca	ggaaagggag	gaacttgggc	480
tattttcttg	gacactttta	tgggggtgct	ggcactttat	ttttgttcc	ggtttttgtt	540
ggggnggg						548

<210> 5207

<211> 934

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (934)

<223> n = A,T,C or G

<400> 5207

aaaacataat	ttctgtttca	tggagatgaa	tacaaggctg	caagtggaac	atcctgtttac	60
tgagatgatc	acaggaactg	acttggtgga	gtggcagctt	agaattgcag	caggagagaa	120
gattcctttg	agccaggaag	aaataactct	gcagggccat	gccttcgaag	ctagaatata	180
tgagaagat	cctagcaata	acttcatgcc	tgtggcaggc	ccattagtgc	acctctctac	240
tcctcgagca	gacccttcca	ccaggattga	aactggagta	cggcaaggag	acgaagtttc	300
cgtgcattat	gaccccatga	ttgcgaagtg	rntcgtgtgg	gcagcagatc	gccaggcggc	360
attgacaaaa	ctgaggtaca	gccttcgtca	gtacaatatt	gttggtactgc	mcaccaacat	420
tgacttctta	ctcaacctgt	ctggccaccc	agagtttgaa	gctkggaacg	tgacactga	480
tttcatccct	caacaccaca	aacagttgtt	gctcagtcgg	aaggctgcag	caaagagtct	540
ttatgccagg	cagccctggg	tctcatcctc	aaggagaaag	ccatgaccga	cactttcact	600
cttcaggcac	atgatcaatt	ctctccattt	tcgtctagca	gtggaagaag	actgaatatc	660
tcgtatacca	gaaacatgac	tcttaaagat	ggtaaaaaca	gttttcgtct	cctcggataa	720
tcaaccattt	ccatactcat	gtaatctagg	catactctgg	agttattaca	ggtttgggtc	780
cagaccacta	caataaaatg	tagccatagc	tgtaacgtat	aacctgatg	ggtcttatag	840
catgcagatt	gaagaaaact	ttccaagtc	ttgggtaatc	tttacagccg	aggagagactg	900

cacttacctg aaatgttccg ttaatgggag ttgc

934

<210> 5208

<211> 934

<212> DNA

<213> Homo sapiens

<400> 5208

gttagctcga	ggggcaaata	aagagcacag	gaatkwwtct	gattacacac	ctctaagtct	60
ggctgcttct	ggtggctatg	tgaacatcat	caaaatatta	ctaaatgcag	gagctgagat	120
taactctaga	actggtagca	aattgggcat	ctctcctctg	atgttagcag	ctatgaatgg	180
gcatacagct	gctgttaagc	tcctgttaga	catgggctct	gacataaatg	ctcagataga	240
aaccaatcgg	aacactgccc	ttacttttagc	ctgcttccaa	ggaagaactk	aagtggttag	300
tcttctgctt	gatagaaaag	caaatgttga	acacagagct	aagactgggc	tcacaccayt	360
aatggaggct	gcctctgggtg	gatatgcgga	ggtggccgag	ttcttttggg	ttaagatgct	420
gatgttaatg	ccctccagtt	cctcctcaag	agatacagct	ttaaccatag	cagcagataa	480
gkgcattaca	aattctgtga	gcttcttatt	ggcaggggag	ctcatattga	tgtacgtaac	540
aagaagggga	acactccatt	gtggctagca	gcaaatgggtg	gacacctcga	tgtggttcag	600
ttactgggtg	aagcagggtg	agatgtggat	gcagcagata	accgcaagat	aactcctctt	660
atggcagcat	ttagaaaggg	tcattgtgaag	gtggtgcgct	acttagtcaa	agaagtcaat	720
cagtttccat	cagattctga	atgtatgaga	tacatagcaa	ccatcactga	taaggagatg	780
ctgaagaagt	gtcatctttg	tatggagtca	atagtacaag	ccaaagatag	acaggctgct	840
gaagcaaaca	aaaacgccag	cattttgtta	gaggagttag	acttggaana	gttaagggaa	900
gaaagtcgga	ggctggcttt	ggctgcgaaa	agag			934

<210> 5209

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5209

gcgggcacgg	cggtggctcg	gtctcccggc	tgcgcgcgga	gcgggagggc	tctcctcaca	60
caagcgcttc	cttgccgaga	ggctggagct	gcggcacggc	aggcctgagc	cacccttctt	120
ctgctgtctc	cttctcttcc	tcagggtccc	cgtgtctgct	cgcctccga	cgctgctcag	180
actatggaaa	tgatgttaga	caaaaagcaa	attcaagtga	ttttcttatt	caagttcaaa	240
atgggtcata	aagcagcaga	gacaactcgc	agcatcaaca	atgcatttgg	cccagaaatt	300

<210> 5210

<211> 711

<212> DNA

<213> Homo sapiens

<400> 5210

ccccttcctt	ctgtctctgg	agacccttga	gcttggggaa	atatggaggg	gtgtgtgtct	60
gcaatcaagg	cctctgcagc	tcacggctgg	cccggtaggg	tgggacttcc	gtctgaattt	120
taaataactta	gggttcattt	ttttttctct	gggcaacaaa	gcttgatgtt	ttcactgctt	180
tagtttctctg	tttgtctgtg	ggaggggata	cggctctgtga	ctctggactt	gctctggggg	240
aacagttgtc	actgcccccg	gggagagggg	cagcttgggc	tggagaagca	cagccagaga	300
cagagcccct	cgagagggat	ccttggctgc	ttcattgtct	tccccccagc	aagccctgct	360
ctccacaggc	acctctgggg	tcttggtagt	gtccccgctc	acctccttcc	agagtcttga	420
gtggtgtggg	tgtgggtggc	acaggatctg	gggcatggga	ggggttcaga	gcttcccaga	480
gccccgtgtc	ctggcagact	cagctggtgg	gctggggtgt	taaccccagt	cctggcgtag	540
gtttacagac	tctcaaggta	cgttggccct	ggtctcctgg	gagagagggg	tgagggatgt	600
cccctaccaa	agcacaaggt	gggatcaggc	tgcctcctgg	gttgggtgtc	gggggagctg	660
tccggcagcc	tggcagggag	atgcaagggc	taaagtaaaa	ttttgtcaag	t	711

<210> 5211
 <211> 839
 <212> DNA
 <213> Homo sapiens

<400> 5211
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 tggccatggg cccggtcacg aacaaaacgg gcctggacgc ctgcccctg gccgcagata 120
 ccttcctact accaggggggt gtactcccg ccccatatat gaactcctct taagaagacg 180
 acggcttcag gcccggtctaa ctctggcacc cggatcgag gayaagtgag agagcaagtg 240
 ggggtcgaga ctttgggggag acggtgttg agagacgcaa gggagaagaa atccataaca 300
 cccccacccc aacaccccca agacagcagt cttccttcac ccgctgcagc ygttccgtcc 360
 caaacagagg gccacacaga taccacacgt tctatataag gaggaaaacg ggaaagaata 420
 taaagttaaa aaaaagcctc cgttttccac tactgtgtag actcctgctt cttcaagcac 480
 ctgcagattc tgattttttt gttgtgtgtg ttctcctcca ttgctgtgtg tgcagggag 540
 tcttacttaa aaaaaaaaaa aaattttgtg agtgactcgg tgtaaaacca tgtagtttta 600
 acagaaccag aggggtgtac tattgtttta aaacaggaaa aaaaataatg taagggtctg 660
 ttgtaaatga ccaagaaaaa gaaaaaaaaa gcattcccaa tcttgacacg gtgaaatcca 720
 ggtctcgggt ccgattaatt tatggtttct gcgtgcttta tttatggctt ataatgtgt 780
 attctggctg caagggccag agttccaca atctatatta aagtgttata cccggtttt 839

<210> 5212
 <211> 603
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(603)
 <223> n = A,T,C or G

<400> 5212
 agaaagtgt agcacagttt gtgtgttgga tttgctactt ccatagttta cttgacatgg 60
 ttcagactga ccaatgcatt tttttcagtg acagtctgta gcagttgaag ctgtgaatgt 120
 gctaggggca agcatttgtc tttgtatgtg gtgaattttt tcagtgtaac aacattatct 180
 gaccaatagt acacacacag acacaaagt taactggtag ttgaaacata cagtatatgt 240
 taacgaaata accaagactc gaaatgagat tattttggta cacctttctt tttagtgtct 300
 tatcagtggt ctgattcatt ttctacnttn aancagnggg ttttctgacc angaatatgg 360
 ctnggatttt ttngaaagta caaaaangcca catagttttt ccagaaaagg ttcaaaactc 420
 ccaaagatta acttccaact tataagtttg tttttatttt caatctatga cttgactggg 480
 tattaaagcc gctatttgga tagtaattaa atatgggtgg cattgatata aaccngtttg 540
 gggtcagcaa accaacctaa atggatggcn aagaccngng gtttaatttt cccggtgggg 600
 gtg 603

<210> 5213
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5213
 ccaaggcgca gcccgattct gccccctacg attgggtcgg ggacttctcc tccttccgtg 60
 ccctcctaga gccggagctg cggcccaggg accgtatcct tgtgctakgt tgcgggaaca 120
 gtgccctgag ctacgagctg ttctcggag gcttccctaa tgtgaccagt gtggactact 180
 catcagtcgt ggtggctgcc atgcaggctc gctatgccca tgtgccgcag ctgcgctggg 240
 agaccattga tgtgcggaag ctggacttcc ccagtgtctc ttttgatgtg gtgctcgaga 300

<210> 5214
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(492)
 <223> n = A,T,C or G

<400> 5214
 gagaagctga ccttggaacct gacgggtgctc ctgggtgtgc tgcaggggca acagcagagc 60
 ctacagcagg gggcacactc caccggctcc agccgcctgc acgacctcta ctggcaggcc 120
 atgaaaaccc tgggagtcca gcgccccaaag ttggagaaga aggatgccaa ggagatcccc 180
 agtgcacccc agagccccat cagtaagaag cggaagaaaa agggattctt gccagagacg 240
 aagaagcgca agaaacgcaa gtcagaggat ggcacgccag cggaggatgg cacacctgca 300
 gccaccggcg ggagccagcc ccncagcatg ggcaggaaga agaggaacag gacaaaaggct 360
 aaggtcccgag ccagggcaaa cgggacgcca accaccaaga gtccagcccc tggcgccnc 420
 acccgagacc ccagcaccac tgccaaatcc ccaaaactgc agaagaaaaa ccagaagccg 480
 tcccaggtga at 492

<210> 5215
 <211> 1011
 <212> DNA
 <213> Homo sapiens

<400> 5215
 gcaaggcgcc gggggacacg ttggctgcgt tttcggcgga ctggccgggt acaaaaatgg 60
 ctgtggctag cgatttctac ctgcgctact acgtagggca caagggaag tttgggcacg 120
 agtttctgga gttcgaattt cggccggacg gaaagcttag atatgccaac aacagcaatt 180
 acaaaaatga tgtgatgac agaaaagagg cttatgtgca caagagtga atggaagaac 240
 tgaagagaat tattgatgac agtgaaatta caaaagaaga tgatgctttg tggcctcccc 300
 ctgatagggt tggccgacag agcttgaaat tgtaattgga gatgagcaca tatcttttac 360
 cacatcaaaa atagggtctc ttattgatgt aaatcagtc aaggatcctg aaggccttcg 420
 agtattttac tatttggtag aagacttgaa atgtttagtt ttcagtctta ttggattaca 480
 cttcaagatt aaaccaattt aaattgtatg ttttcaggct gtttgtatat ttaattaagg 540
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 aaaaaatttg tatgtaaact gaaaataaga aaatcacatta gcaagcttaa tggttatcct 660
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 accttttgtt aaaaatttgc tctaataaaa cataccaaat cctggttgca gagtagtttt 780
 ttgttttttc caggaggcta tgtctctaata tcactttaga gataataaga aattgttctg 840
 gtagatatat cctgtgacag aagatacttt aggtggaact atgtagccag attcccatcc 900
 atgaaaggca agtgtagatt gtcccttatt tccttcatac atgattggat ttaattttgg 960
 ggggcttata caagggtctag ttttttttta cagttatgac aaaccctca g 1011

<210> 5216
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5216
 gcaacgtgtg cggtcgggag attccggagc ccctgcgtgg aggaactgct gggcgggagg 60
 agacgcggcg ggctcgggag atggctgacc gcacacgttg ccaccctgag gtctttctgg 120
 aagtggatat ctactcagac agtaagaatt ataagagctg taagagctca ttttggagga 180
 ataattgatg aaccatctcc cttggcccaa cctctggagc tgaaccagca ctctcgattc 240
 ataatagggt ctgtgtctga agataactca caggatgaga tcagcaacct ggtgaagttg 300

<210> 5217
 <211> 1544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1544)
 <223> n = A,T,C or G

<400> 5217
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 cttgacgcgc cagctggtac aggacgagaa cgtgcgcggg gtgatcacca tgaacgagga 120
 gtacgagacg aggttcctgt gcaactcttc acaggagtgg aagagactag gagtcgagca 180
 gckgcrscgw srgcacagta gacatgactg ggatccccac cttggacaac ctccagaagg 240
 gagtccaatt tgctctcaag taccagtgcg tgggccagtg tgtttacgtg cattgtaagg 300
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 gtccagagga ggctgtaaga gccatcgcca agatccggtc atacatccac atcaggcctg 420
 gccagctgga tgttcttaaa gagttccaca agcagattac tgcacgggca acaaaggatg 480
 ggacttttgt catttcaaa agcatgatgt tggggattag aaagaactca agacactcct 540
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 taacagaaat gtgccaatag gtaataggta attttcttt ctctgacttg ttttgtttcc 660
 ttgaaataac actgttgtgt ggctagaaag gaaaagattt agtgtggctt gtattcaygg 720
 gatacaggac agggatgggg ctatcatctt ttcttgaata gggctaaaaga agtattttta 780
 caaaaatcta ttatgtacct aatattgtgc ctaataatat ttagcaccac aactcaaaaa 840
 acatttagca cttgaaaaaa ggagactcac ctctggctct ttgccactgt cagaatctga 900
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 ttcaaaaact tttatttgta tcaacagttc ctactctctg acttagctta gagcttttaa 1140
 aagagcagac accttatata tttgagattg aaaaagtttc tgctattaat cagaaataat 1200
 catttctatt ttctggctta ccccttgga taagccaaaa ataaaacca agttacattt 1260
 cctgacagat ggctaagaaa acaatagaag gaacatcctg aattctagag ttgactcttg 1320
 ctggtgaagt acaccttcag gcttaggtcc attctcctaa gtaaagcctg aaggaaaact 1380
 cttaacacct aattctttgt gggaaaaatg atcaactagg ccatttcaca ggctwtgaa 1440
 cmaaagtacm attgggcata tttccytatg tcckgggatc aggggwgctt acatttaaca 1500
 ttgatcaggt aaagaggaga ggctgtgcta aggtctgaga aaag 1544

<210> 5218
 <211> 948
 <212> DNA
 <213> Homo sapiens

<400> 5218
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 tctggagttc gaatttcggc cggacggaaa gcttagatat gccacaaca gcaattacaa 120
 aaatgatgtg atgatcagaa aagaggctta tgtgcacaag agtghtaatg aagaactgaa 180
 gagaattatt gatgacagt aaattacaaa agaagatgat gctttgtggc cccccctga 240
 tagggttggc cgacaggagc ttgaaattgt aattggagat gagcacatat cttttaccac 300
 atcaaaaata ggttctctta ttgatgtaaa tcagtcacaa gatcctgaag gccttcgagt 360
 attttactat ttggtacaag acttgaaatg tttagttttc agtcttattg gattacactt 420
 caagattaaa ccaatttaaa ttgtatgttt tcaggctgtt tgtatattta attaagggat 480
 gggagggggt atttgtcatt tacagtattg gggtttttat gaatgtgaag caaacaaaaa 540
 aaatttgtat gtaaaactgaa aataagaaaa tacattagca agcttaaatg ttatccttac 600
 ttgagtcac atgggttggg cagtcacccac acacattaaa ttctgtaaat gaaagccacc 660
 ttttgttaaa aatttgcctc aataaaacat accaaatcct ggttgacagag tagttttttg 720

ttttttccag	gaggctatgt	ctctaattca	ctttagagat	aataagaaat	tgttctggta	780
gatatatcct	gtgacagaag	atactttagg	tggaactatg	tagccagatt	cccatccatg	840
aaaggcaagt	gtagattgtc	ccttatttcc	ttcatacatg	attggattta	attttggggg	900
gcttatacaa	ggtctagttt	ttttttacag	ttatgacaaa	cccctcag		948

<210> 5219
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5219						
gctgggagta	taggctgagt	taggaagatt	gcttgagccc	ggaaggcaga	agttgcagtg	60
agccaagatc	gcgccactgc	actcccaact	ggacgacaaa	gcgagatact	gggagtatatg	120
gcattcgcca	ccctgggcaa	catagcaaga	ccctgtgtct	acaaaaaatt	taaaaaaaat	180
tagcctgtag	ccctagctat	gcaggagggtg	gaggtgggag	aattgcttga	accaggaggt	240
ttgaggttac	agcgagctgt	gatagcacca	ctgcaactcca	gcctgggcca	cagagcaaga	300

<210> 5220
 <211> 1043
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1043)
 <223> n = A,T,C or G

<400> 5220						
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gtccccaccc	ccacatcctt	cctcggtcaa	gtcgtgcgc	tccgagcgtc	tgatccgtac	120
ctcgttgga	ctggagttag	ascwssaggc	gacaagaacc	tggcacagcc	aattgaccca	180
ggagatctcg	gtgctgaakg	agctcaagga	gcagctggaa	caagccaaga	gccacgggga	240
gaaggagctg	ccacagtggg	tgctgagga	ckagcgtttc	cgcctgctgc	tgaggatgct	300
ggagaagcgg	cagatggacc	gagcggacac	aagggtgagc	ttcagacaga	caagatgatg	360
agggcagctg	ccaaggatgt	gcacaggctc	cgaggccaga	gctgtaagga	acccccagaa	420
gttcagtctt	tcagggagaa	gatggcattt	ttcaccgcgc	ctcggtatga	tatcccagct	480
ctctctgcag	atgacgtcta	atcgccagaa	aagtatttcc	tttkttccay	tgaccaggct	540
gtgaacattg	actgtggcta	aagttattta	tgtggtgtta	tatgaaggta	ctgagtcaca	600
agtcctctag	tgctcttggt	ggtttgaaga	tgaaccgact	ttttagtttg	ggtcctactg	660
ttgttattaa	aaacagaaca	aaaacaaaac	acacacacac	acaaaaacag	aaacaaaaaa	720
aaccagcatt	aaaataataa	gattgtatag	tttgtatatt	taggagtgtg	tttttgggaa	780
agaaaattta	aatgaactaa	agcagtattg	agttgctgct	cttcttaaaa	tcgttttagat	840
tttytsgtt	gtacagctcc	accttttaga	ggtcttactg	caataagaag	taatgcctgg	900
gggacggtaa	tcctaatagg	acgtcccgca	cttgctcacag	tacagctaata	ttttcctagt	960
taacaatttg	tcataattamm	mmntgcacag	ammaccattg	ggggggattc	agaggtgcat	1020
ccaccccggn	tcttcttgag	ctg				1043

<210> 5221
 <211> 796
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(796)
 <223> n = A,T,C or G

<400> 5221
 atcgattaac acttctaatag agtcaagtc taggggtttt tggttttggt ttgttgccaa 60
 cgaggaacac agctctgggg gaatggtgtc atccwcstgc gyttaaaaaa taagcacatg 120
 atggctgggc accgtggctc acgcctgtaa tcccagcact ttgggaggct gaggcgggtg 180
 gwtcacctga ggtcgggagt ttgagaccag cctggccaac atggtgaaac cccatcgcta 240
 ctaaaawtat aaaaaattag ctgggcatgg tggcgcacgy ctgtagttcc agctactcag 300
 gaggctgagg caggagaatc gcttgaaccc gggagggtgga ggttgacgtg agctgagatc 360
 gcaccattgc actcccacct gggcaacaaa gagtgaactc tggctctcaga aacgaaacaa 420
 aacacaaaaa cctttctcag tcccagcata tgtggagcag cctcattctt catagctgtg 480
 tgtcattccg ttgctgatg gggtcacaga gcacagacct ggtgcccttt tcctttttaa 540
 tatgtggaaa cccctccatg ctttccaaag cctacaagta cagcagcccc aagtttaggg 600
 tgagcagcag tggtcagagc tctttactat tacttttggg caaacgcaag ccaggctggc 660
 aaccaccact gccgcgagg ggagatacaa gcaggccagt ttcacactyt gggackttta 720
 gtttctttct tacatctaga aggtgggcct ctkgttatte cantttaaag gcagcccaag 780
 ggaantgttc agnaaa 796

<210> 5222

<211> 328

<212> DNA

<213> Homo sapiens

<400> 5222
 ataaggcagt ctctcaaaag tcatactgcc agagtctcta gggcaaggag aaacaactag 60
 ctggacaata ctcaattcac aacttagcat tttgccatct gaagcttggc aaactagtat 120
 ctgctgtaaa acaacctata tggatgtga accgtagtat tcctgagcaa aacgtggctt 180
 tcacgcttt gtaaaaattt gcatctgttt agaaactagc ctataaaata tcaccattgg 240
 atgtagatat ggagagaaaa gaaatatgtt ggggtttattg cttagcgaag tattctcttt 300
 ttatttaaat aaaatgttct tcattgtg 328

<210> 5223

<211> 302

<212> DNA

<213> Homo sapiens

<400> 5223
 ggaagagctc gtcttggagt ccaagctttt gccacttcaa ttgcaccagc tccaggaacc 60
 atacaaccat cttcaatkgc atttttgata gcacgaagtc catctcttat ggcattcctg 120
 acttgtgtga gagtcattgt ttatttgggc ctttaaccaa caaggtaaca gagcaagggt 180
 taacacactc ctcaataaaa gtgaactttt cttcacctaa tgtatactca tacacaagac 240
 cagcatgtcc caagcaatct acagtgagat cttcaaaaga attcacggcc attccaccac 300
 aa 302

<210> 5224

<211> 551

<212> DNA

<213> Homo sapiens

<400> 5224
 gcagtacgtg tgccgtgagg ctcatagttg atgagggact ttccctgctc caccgtcact 60
 cccccaactc tgcccgctc tgtccccgcc tcagtccccg cctecatccc cgctctgtc 120
 ccctggcctt ggcggctatt tttgccacct gccttgggtg cccaggagtc ccctactgct 180
 gtgggctggg gttgggggca cagcagcccc aagcctgaga ggtggagcc catggctagt 240
 ggctcatccc castgcattc tccccctgac acagagaagg ggccttggtt tttatattta 300
 agaaatgaag ataataattaa taatgatgga aggaagactg ggttgacagg actgtggtct 360
 ctccyggggc ccgggacccg cctggtcttt cagccatgct gatgaccaca cccgctccag 420
 gccagacacc accccccacc ccactgtcgt ggtggcccca gatctctgta attttatgta 480

gagtttgagc tgaagccccg tatatttaaat ttattttgtt aaacatgaaa gtgcacacctt 540
tccttccaaa a 551

<210> 5225
<211> 555
<212> DNA
<213> Homo sapiens

<400> 5225
gctctgtgac accctttttg tgatcttcag tgctgttttt atgggttacac gactaggaat 60
ctatccattc tggattctga acacgaccct ctttgagagt tgggagataa tcgggcctta 120
tgcttcattg tggctcctca atggcctgct gctgacccta cagcttctgc atgtcatctg 180
gtcctaccta attgcacgga ttgctttgaa agccttgatc aggggaaagg tgacctgtcc 240
aggaaggatk agwscswgtr mtgtssactc tttsmkcas ccmkwsswwk wwkmtrtgmc 300
cgcgggasct gsacarwwws atctcttgca tgtatcgaag gatgatcgca gtgatgtgga 360
gagcagctca gaggaagaag atgtgaccac ctgcacaaaa agtccctgtg acagtagctc 420
cagcaatggt gccaatcggg tgaatggtca catgggaggc agctactggg ctgaagagta 480
aggtggttgc tatagggact tcagcacaca tggactttgt agggccactg gcaaacaata 540
ctcctcttgg gccct 555

<210> 5226
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)... (498)
<223> n = A,T,C or G

<400> 5226
attcaagatg agattgggt ggggacacag ccaaacccta tcggttgcca acatttacag 60
taacagtgtt aggtgaacag ttgtccagtc tcctgttttg tcggacactg tttctagcac 120
cttccaggca gaattctcatg tatecttcac tttcgaawts ggwacgagka tttcatcccc 180
acttttatca atgagaaact aaagctcgaa gaggtcaagt aagttcctgg ccaaggctcag 240
ctagcaggct ctagaggcct cgttctcctt agaggcaagc cttgccaggg cccaggcttg 300
gcaggctgca gggcagggtc gggcatgcca tggtagaggt gggaccattg aggctcagag 360
agggttaagt atganccctg gnacacagcg ggggtgggtcc agagtccggc ctgcatcttc 420
tggagctggc cagtggacag gcctttcccg ttcacaagcc cggggctgct gttcccacca 480
aggggggaat gttgccta 498

<210> 5227
<211> 537
<212> DNA
<213> Homo sapiens

<400> 5227
ggatgggtgc cctggagcca ggcaaggcag gaggccccag aaacttggtg ggggagataa 60
cggaggggat ggagcaggag gaatcctgaa aaccggactg ggagagatgk grccsagtgg 120
asgakkycr staysasmkg gcgtmtgaga ckgaacatt aattctgaag aagaagaaac 180
tagacagtca gacctccagg actaagatga agtgagccga gaggagatcg tatcataaga 240
atgcttctgt cgttagccgg gtgcagtgtc gtgtgtatct agttccagct acttgagagg 300
ctgaggcagg aggattgctt gagtccagaa agtggcagtt gcagtgagtg gagatcgtgc 360
cactgctcwc cagcctgggt ggcagarcga gacctgtct caaaaaata acaaaaacaa 420
aatgcttctg tcagttaaca atctttatta gaggggtttt agtctttctt tctcagctgt 480
atgttaagtt ggttgacaaa tgcaataaaa cgtctttatt atcctttctt tctgaaa 537

<210> 5228
 <211> 735
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(735)
 <223> n = A,T,C or G

<400> 5228
 ggggcctgag gtgccagggt tcacagacag ggtttccac cagccacacg caccagctct 60
 atttggggga agtgtagtga ggaggagccc agaggacccc aggggagtga ggagggagaa 120
 cttggaagg tgcagcccac ttcagactc tccccctctc cacccttcta ccctgtgaag 180
 ggaaatgagg gctttagttt cctgggcagg gaggggcagc ttctgaggtt gccaaaggcc 240
 cccactggat ggaacctgtt agctgctcct ctccgcagcc agaaatgctg cgggctgcac 300
 ccagaggagc agtgaggcag gacagatgga caggttcctc ctgcgctgta attccctgct 360
 ccctggagac tgggaaaagg ccgcagnacg ggggactggg cggtggtggc tggtggttta 420
 aaggttgaac tttctctgaa gctcctttcc cctttgctct tggtcctctc ccngcaang 480
 caaacctgcc ccctctgcct ccagtgac ccaatgaccc cccttccct tggggcggac 540
 ttctgattg aagcacaact cccccgcaag gancccaag cccacaaggg ttggccataa 600
 tttggggcag tttccaagtc ctgtnggctt cggctaactn tggggganga agatttttng 660
 ggtcttggat ttcccttggg aaattgggtc cttgggcttg gaatnttttc cctaaggggg 720
 ccctcttant tcctt 735

<210> 5229
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n = A,T,C or G

<400> 5229
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 ggaaagtga tgggtgaggt gagttccaaa tggagggaac tgcattgtga gaggcctgga 120
 ggtgagggga acctggggcac attccaggag ctgaagggtt tgttggtgct ggaacataaa 180
 gagccaaagg gggccaagca gtgcttcaca cctgtaatcc cagcrctctg ggaggcygag 240
 gtgggcagat cacctgaggt caggagttca agaccagcct ggtcaacgtg gtgaaaccct 300
 gtctctactn aaaatac 317

<210> 5230
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5230
 ggccactcgc cctcttccct cccttcgtcc cttcttctc tccctttttt ccttcttctc 60
 tccccctctc gccgccaccg cccaggaccg ccggccgggg gacgagctcg gagcagcagc 120
 caggtagaac tttagacttc atagactga attaacctgc actgaaagct gtttacctgc 180
 atttgttcac ttttgttgaa agtgaccatg tctcaagttc aagtgcaagt tcagaaccac 240
 tctgtgctc tctcagggag ccaaatactg aacaagaacc agtctcttct ctcacagcct 300

<210> 5231

<211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5231
 atcagtatga actcttaaaa catgcagaag caactctagg aagtgggaat ctgagacaag 60
 ctgttatggt gcctgagggg gaggatctca atgaatggat tgctgtgaac actgtggatt 120
 tctttaacca gatcaacatg ttatatggaa ctattacaga attctgcact gaagcaagct 180
 gtccagtcac gtctgcaggt ccgagatatg aatatcactg ggcagatggt actaatatta 240
 aaaagccaat caaatgttct gcaccaaata acattgacta tttgatgact tgggttcaag 300

<210> 5232
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 5232
 ccggcggtc tggctgcccg gcggttgaga gcatggcctc tccaggggca ggtagggcgc 60
 ctccggagtt accggagcgg aactgcgggt accgcgaagt cgagtactgg gatcagcgct 120
 accaaggcgc agccgattct gccccctacg attgggtcgg ggacttctcc tccttccgtg 180
 ccctectaga gccggagctg cggcccaggg accgtatcct tgtgctakgt tgcgggaaca 240
 gtgccttgag ctacgagctg ttctctggag gcttccttaa tgtgaccagt gtggactact 300

<210> 5233
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (564)
 <223> n = A,T,C or G

<400> 5233
 gcagcagctc ccaggatgaa ctggttgagc tggtgtctgc tgcgtcgggg gcgctgagag 60
 gacacgagct ctatgccttt ccggctgtc atcccgctcg gcctcctgtg ygcgctgtg 120
 cctcagcacc atggtgcgcc aggtcccagc ggctccgcgc cagatcccgc ccactacagg 180
 gagcgagtca aggccatgtt ctaccacgcc tacgacagct acctggagaa tgcctttccc 240
 ttcgatgagc tgcgacctct cacctgtgac gggcacgaca cctggggcag tttttctctg 300
 actctaattg atgcactgga caccttgctg attttgggga atgtctcaga attccaaaga 360
 gtggttgaa tgctccagg acagcgtggg actttgatat tgatgtgaac gcctctgtgt 420
 ttgaaacaaa cattcgagt gtagggagga ctctgtctt gttcatctgc tttccaaga 480
 aggctggggg gggaagtaga ggctggatgg gcctgtttcc ggggcttttc cttgagaatt 540
 ggctnaggan ggcggcccga aaat 564

<210> 5234
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (596)
 <223> n = A,T,C or G

<400> 5234

actcaaagac	acgtacatgt	tgtccagcac	cgtctcctcc	aaaatcttgc	gggccattgc	60
cttaaaggaa	ggttttcatt	ttgaggaaac	attaactggc	tttaagtgga	tgggaaacag	120
agccaaacag	ctaatagacc	aggggaaaac	tgttttatth	gcatttgaag	aagctattgg	180
atacatgtgc	tgcccttttg	ttctggacaa	agatggagtc	agtgcgctg	tcataagtgc	240
agagttggct	agcttcctag	caaccaagaa	tttgtctttg	tctcagcaac	taaaggccat	300
ttatgtggag	tatggctacc	atattactaa	agcttcctat	tttatctgcc	atgatcaaga	360
aaccattaag	aaattatttg	aaaacctcag	aaactacgat	ggaaaaata	attatccaaa	420
agcttgtggc	aaatttgaaa	tttctgccat	tagggacctt	acaactggct	atgatgatag	480
ccaacctgat	aaaaaaagct	gttctttccc	acttagttaa	aaggcaggcc	aatggatttc	540
accttcacct	ttggctaata	ggagggcgctg	ggcacntgc	ggcaccagt	gggacn	596

<210> 5235

<211> 732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (732)

<223> n = A,T,C or G

<400> 5235

gcttcgtgtg	ctactgcgaa	ggggaggaaa	gcggggaggg	ggaccgcggc	ggcttcaacc	60
tctacgtgac	cgacgcccg	gagctttgga	gcacctgctt	cacgccggac	agcctggcgg	120
ccctcgtggg	taactggcg	ggctctggag	ccgccacacc	cctccttgca	gtgcagatcg	180
tctatggggc	gacagacatc	tgggattccc	cagaaggctc	tgacaccctc	tgcccgccct	240
gtagctgtag	tcctcccat	ggctagggct	cttggggctg	ggcaggtttc	gggtgcccc	300
agtggcctcg	ggttccaggc	agctcgtgac	aagcccctgt	gctctctaga	aagcccgttt	360
tggcctgagt	gcggtctgag	acatcacccc	ccggttcagg	gcagcctgtg	agcagcaagc	420
tgtggctctg	actctgcagg	aggacagagc	atccctgacg	ctttcagggg	ggccctcgga	480
ctggcctttg	acctctccaa	ggtaccaggc	ccagaggcag	cccccaggct	gtgggcgctg	540
acactgggcc	tggcaaaacg	cgtgtggagc	ctggagcgkc	gactkgcagc	tgcagaagag	600
acagctgtca	gcccagaggaa	gagcccccg	cctgcagggc	ttcagctctt	cttaccagac	660
ccagatcccc	agagaggttg	ccctggacct	nggagtcagg	atgncggttt	ccaggagaat	720
tcgttcacn	aa					732

<210> 5236

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (816)

<223> n = A,T,C or G

<400> 5236

ctgaaacagg	gtcgggatgc	cgatgccggc	ttggagttag	agrkkmgwca	ccgctgagag	60
cagctgcagt	agctgagyag	tggcagcaga	gaggcagacg	tgagctgagg	gcgcagaggc	120
aggcagcatc	tctgagggtc	ccaaggagc	atggctggga	gccgtgaggt	ggtggccatg	180
gactgcgaga	tgggtggggc	ggggccacn	gggnagagtg	gcctggctcg	ttgcagcctc	240
gtgaacgtcc	acggtgctgt	gctgtacgac	aagttcatcc	ggcctgaggg	agagatcacc	300
gattacagaa	cccgggtcag	cggggtcacc	cctcagcaca	tgggtggggc	cacaccattt	360
gccgtggcca	ggctagagat	cctgcagctc	ctgaaaggca	agctggtggt	gggtcatgac	420
ctgaagcacg	acttccaggc	actgaaagag	gacatgagcg	gctacacaat	ctacgacacg	480
tccactgaca	ggctgtttgt	gcgtgaggcc	aagctggacc	actgcaggcg	tgtctcctgc	540

gggtgctgag	tgagcgccctc	ctgcacaaga	gcatccagaa	cagcctgctt	ggacacagct	600
cggtggaaga	tgcgagggca	acgatggagc	tctatcaa	atcccagaga	atccgagccc	660
gccgagggct	gccccgcctg	gctgtgtcag	actgaagccc	catccagccc	gttccgcagg	720
gactagaggc	tttcggcttt	ttgggacagc	aactaccttg	cttttggaaa	atacatTTTT	780
aatagtaaag	tggtctctata	ttttctctac	gccaaa			816

<210> 5237

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (817)

<223> n = A,T,C or G

<400> 5237

agacagagta	ctgattggag	gggatgaaac	tccagagggc	cagagagctg	tgcaggccct	60
gtgtgctgta	tatgagcact	gggttcccag	agaaaagatc	ctcaccacta	atacttggtc	120
ttcagagctt	tccaaactgg	cagcaaactgc	ttttcttgcc	cagagaataa	gcagcattaa	180
ctccataagt	gctctgtgtg	aagcaacagg	agctgatgta	gaagaggtag	caacagcgat	240
tggaatggac	cagagaattg	gaaacaagtt	tctaaaagcc	agtgttgggt	ttggtgggag	300
ctgyttccaa	aaggatgttc	tgaatttggg	ttatctctgt	gaggctctga	atttgccaga	360
agtagctcgt	tattggcagc	aggcatagag	catgaatgac	taccagagga	ggagggttgc	420
ttcccggatc	atagatagtc	tgtttaatac	agtaactgat	aagaagatag	ctattktggg	480
atttgcattc	aaaaaggaca	ctggtgatac	aagagaatct	tctagtatat	atattagcaa	540
atatttggatg	gatgaagggtg	cacatctaca	tatatatgat	ccaaaagtac	ctaggggaac	600
aaatagtgtg	gggatctttc	tcatccaggg	tgtttcagag	ggatgaccaa	gtgtccccgg	660
cttcgtgacc	atttccaagg	atccatatgg	aaggcatgtg	atgggtgccc	catgctgttg	720
tttattttgc	actgagtggg	gacatgtttt	aaggggattt	gggattattg	gaccgcattc	780
cattaaaaaa	atggcttaag	nccagccctt	tatnctt			817

<210> 5238

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (337)

<223> n = A,T,C or G

<400> 5238

gtgcaccgga	gggtgaagac	agccctcgcg	akgamkgwgg	aggcctggkg	agcaggcctg	60
accctgtgry	rswrcwksag	gctgcggtga	agcgggccga	ccacctggag	gagctgctgg	120
agcarmmcag	gaggccccag	mcaagtacca	agtgaccagg	gatgccggga	acactgtcga	180
agaacggaag	gcagaggaca	gaggctggac	gttggcccag	agcagagaga	cgncacactg	240
ccccccacag	aggctgggtg	ttnagatgcc	cacggttaag	cacctgtggc	ttgcattttt	300
aaacagttaa	aaggaggccg	ttgttttcag	cgccttt			337

<210> 5239

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(570)

<223> n = A,T,C or G

<400> 5239

gacttctgaa	gaacatgaag	caagcagaag	ggtgaaagcg	gagctgctgg	ttcagatgga	60
tggtgttgga	ggtacttctg	aaaatgatga	cccttccaaa	atggttatgg	ttctggcagc	120
tactaatttt	ccctgggata	tagatgaggc	tttaagacga	cgccttgaga	aacgaatcta	180
tattcctttg	cgtcagcaa	aaggcagggg	ggagctatta	cgaataagtc	tacgtgagtt	240
ggaattggct	gatgatgttg	accttgcaag	tatagcagaa	aacatggaag	gttattcagg	300
tgcggacatt	accaacgtgt	gcagggatgc	gtccttgatg	gcaatgagaa	ggcgcatgga	360
aggtttgact	ccagagggaa	tccgaaatct	ttccaaagaa	gaaatgcaca	tgcctacaac	420
tatgggagga	tttcgagatg	gctttaaaaa	aggtttctaa	gtncagtgtt	cttgctggca	480
gacatttgaa	aggttacggg	gaatgggtat	tttgagtttg	ggtccntgct	aaatttntca	540
cctgtaaact	gttgaggaat	gtgccttaag				570

<210> 5240

<211> 907

<212> DNA

<213> Homo sapiens

<400> 5240

agccaatgtg	cttgcaagtg	tacagatctg	tgtagaggaa	tgtgtgtata	tttacctctt	60
cgtttgctca	aacatgagtg	ggtatttttt	tgtttggttt	ttttgttggt	gttggtttttg	120
aggcgctgtc	cacctgtgtg	cccaggctgg	agtgcattgg	cgcgttctct	gctcactaca	180
gcacccgctt	cccagggtga	agtgattctc	ttgcctcagc	ctcccgagta	gctgggatta	240
cagggtgcca	ccaccgcgcc	cagctaattt	tttaattttt	agtrgagaca	gggtttttacc	300
atgttgacca	ggctggyctt	gaactcctga	ccctcaagtg	atctgcccac	cttggcctcc	360
ctaagtgtctg	ggattatags	cgtgagccac	catgtctcagc	cattaaggta	ttttgttaag	420
aactttaagt	ttagggttaag	aagaatgaaa	atgatccaga	aaaatgcaag	caagtcaca	480
tggagatttg	gaggacactg	gttaaagaat	ttatttcttt	gtatagtata	ctatgttcat	540
ggtgcagata	ctacaacatt	gtggcatttt	agactcgttg	agtttcttgg	gcactcccaa	600
gggcgttggg	gtcataagga	gactataact	ctacagattg	tgaatatatt	tattttcaag	660
ttgcattctt	tgtcttttta	agcaatcaga	tttcaagaga	gctcaagctt	tcagaagtca	720
atgtgaaaaat	tccttcctag	gctgtcccac	agtctttgct	gcccttagat	gaagccactt	780
gtttcaagat	gactactttg	gggttgggtt	ttcatctaaa	cacatttttc	cagtcttatt	840
agataaatta	gtccatatgg	ttggttaatc	aagagccttc	tgggtttggt	ttggtggcat	900
taaatgg						907

<210> 5241

<211> 1184

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1184)

<223> n = A,T,C or G

<400> 5241

gcaagatccc	tccacctgtc	attatggtgc	aaaatgtgag	cttcaagtat	acaaaagatg	60
ggccttgcat	ctacaataat	ctagaatttg	gaattgacct	tgacacacga	gtggctcttg	120
tagggcccaa	tggagcaggg	aagtcaactc	ttctgaagct	gctaactgga	gagctactac	180
ccacagatgg	catgatccga	aaacactctc	atgtcaagat	agggcggttac	catcagcatt	240
tacaagagca	gctggactta	gatstmtcrc	ctttggagta	catgatgaag	tgctaccag	300
agataaagga	gaaggaagaa	atgaggaaga	tcattggggc	atacggctcn	actgggaaac	360

aacaggtgag	cccaatccgg	aacttgtcag	acgggcagaa	gtgccgagtg	tgtctggcct	420
ggctggctgg	cagaaccccc	acatgctctt	cctggatgaa	cccaccaatc	acctggatat	480
cgagaccatc	gacgccctgg	cagatgccat	caatgagttt	gaggggtggt	tgatgctggg	540
cagccatgac	ttcagactca	ttcagcaggt	tgacacaggaa	atttgggtct	gtgagaagca	600
gacaatcacc	aagtggcctg	ggagacatcc	tggcttacaa	ggagcacctc	aagtccaagc	660
tgggtgattg	aggagcccca	gctcaccaag	agkaccacaca	acgtgtgagc	cytytacctg	720
ggttcgggtc	aggagctcca	tcntgggaac	taacagctgc	taacctgacc	agccgctcag	780
gacaggaccc	tggggctaca	ctcctgcatt	gctgcaatac	tgctcccca	gcctctcccc	840
tgccctcaa	cctgccttag	ctgcactctc	ttacctacag	ctggacagta	cctgtctgtt	900
tcctgtcctc	cttccagtta	catctgtcca	tgtctggact	cggctggccg	ttccctccag	960
ccccttgctg	ttatcttaca	tctgagtgtg	atgcagtcag	aggcacctgc	gggttagccc	1020
aggggggccc	aactgatttg	gcctgcggag	gagcttagga	tcctcgtttt	ctgggttttg	1080
gtgatgttgg	aggagtaccc	cccagccac	cgccccgatt	cctttttgct	tctgggttgg	1140
agtcccggac	caggaccttc	gtcctggtna	gtttttaaat	aatt		1184

<210> 5242

<211> 383

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(383)

<223> n = A,T,C or G

<400> 5242

gtaaaccttc	cccagtccta	tcagagcaaa	ctttctgggg	ttgcatcccc	tcagaaaccc	60
atttggggcc	caatctcaat	gcacatatca	gtgcgcaaag	cactaaaatt	ccaggcaaca	120
ctttgtattg	agagaagcca	aaatttttgt	cmggccctgg	gacatctaaa	gtcaccaatg	180
taactacacc	atacagatta	aaccctcaca	tgatcatgta	agctatgcag	ttacccaagc	240
tgcattcatt	agaaaacctg	tacagttttt	atggaaacca	tccttagtca	aggacacttt	300
aaatatatag	tctaaatacc	gttaaggtag	gcccactagc	tgtgttcaca	ttttcccttg	360
gncaccttac	caggggactt	tta				383

<210> 5243

<211> 1278

<212> DNA

<213> Homo sapiens

<400> 5243

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ccacccacag	cgctggccac	agggctccct	gcagggtcag	ggaccagacc	acgcccagag	120
gaggggaggc	actggccccc	gccacaggac	tggagacgca	agaacaaaaa	gaaccaagta	180
gagagagtgg	agctgcttta	ttgcccttgg	agcccgcgct	ctcggaggct	gtcttctgtc	240
gccaagggtc	ccggaccgag	tacacagtgg	cagctggctt	agttggtgga	cggcytgss	300
cactcgacgt	tgaggatgag	gtggtcgtag	ccaaagccgg	acaccccggc	aatggcacgc	360
gcagsatcct	cgcgccggtg	gaagctgatg	aaggcraagc	ccttggtattg	gccagtggtc	420
ttgtcccttag	ccaggtagat	gcgggagatg	gagccgaaag	gcsggaagag	ctcctgcagg	480
tcgggtctcac	gcgtgtctct	tgacaagtgg	gtgacacgga	tggtggcggt	gtcgtcggtc	540
ctgcggttgg	gctgcatgga	ctcccccgcg	cggctggccc	cgtegcgmag	gctcggcggm	600
acatacttcc	ctgtcttgtt	ctgcgtggcc	tgacagggct	ctagctctcc	cggcagcttc	660
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gtatccttgt	aggggcagcg	ggtggtccag	tggtegccct	tgcatatgag	gcaggacacg	780
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tttgaagcct	tccgggtctc	aatcctgaag	gtgoggacaa	tcttgaactt	cttgccatcc	1020
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ggcggcagtg	gagctcccgg	cagtagctct	ggctctgggc	tgggtgcacc	tgtggccaga	1140
gggatcccc	tgaggagctc	gctggtgaca	catttgtcgt	cctccccctc	ctcctccacc	1200
tggtcggccc	aactgggctt	cgaatyaaag	tctccagtag	gcatcgcaaa	aagtattctc	1260
cacgcagccc	aagcccgg					1278

<210> 5244

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5244

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cgctgctggg	attacaggtg	tgagccaccg	cgtgtggcct	ctgggcacct	tttgaagctg	120
aagcagagag	agaaggcggc	aggcatcagc	gttttcttct	atgaacttat	aagatcaaag	180
actttaagac	tttactatt	tcttctaccg	ctatctacta	cgaacttcaa	agaggaacca	240
ggagtacgga	aggagcatga	aagtggacaa	ggaacgtgac	cattgaagca	ccacagggag	300

<210> 5245

<211> 496

<212> DNA

<213> Homo sapiens

<400> 5245

attctctctc	cataccaccc	cccaaaaatt	ttcgccgctc	caacacttca	acactatttt	60
gkttttattg	tcttattaat	atmagaaggc	aggaatgtca	ggcctctgag	cccaggccag	120
gccatcgcat	cccctgtgac	ttgcacgtat	acatccagat	ggcctgaagt	aactgaagat	180
ccacaaaaga	agtaaaaaca	gccttaactg	atgacattcc	amcattgtga	tttgttctctg	240
ccccacccta	actgatmaat	gtacttttga	atctccccca	cccttaagaa	ggttctttgt	300
aattctcccc	acccttgaga	gtgtactttg	tgagatccac	acctgcccac	cagagaacaa	360
accccytttg	actgtaattt	tccattacct	tccctaattc	tataaaacgg	ccccaccca	420
tctccctttg	ctgactctct	tttcggactc	agcccgccctg	cacccaggtg	aaataaacag	480
ccttgttgct	cacaca					496

<210> 5246

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5246

gggagggcac	acctggggga	cagcagcggc	gggagtgtgg	tccgactggc	ctggaagatc	60
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ggacgaggtg	ccaggtgcct	ggcccatggt	gcagggggcc	gtggagccca	tgcatatcga	180
cgtggacccc	caggaagacc	cgcagaatgc	acctgacgtc	aactacgtgg	tggagaaccc	240
cagcctggat	ctggaacagt	acgcgggccag	ctacagcggc	ctggccactg	ggtgccaccc	300

<210> 5247

<211> 300

<212> DNA

<213> Homo sapiens

<400> 5247

ggtatgtgta	gcggcagtg	ccgccggcgg	agcagtctga	gcccgcagat	gaggccgggg	60
acgggagctg	agcgtggagg	cctcatgggtg	agtgaatgg	agagccatcc	tccctcgag	120
ggtcctgggg	acggggagcg	gagattgtcc	ggctcaagcc	tctgctccgg	ctcttgggtc	180

tctgctgacg	gcttcctgag	gagacggccc	tcggttaaggg	atcagtgggg	cagggggaag	240
gcggcacatt	gaaaaacgga	gtgagaaaca	ggaagctttc	tccgaaagga	gaagaagata	300

<210> 5248
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 5248						
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gcggggctgc	catggctgag	ctgcagcagc	tccgggtgca	ggaggcggg	gagtcctatg	120
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gccagctgtt	gtgaggacag	ccaggcctcc	atgaagcagg	tgcaccagtg	catcgagcgc	240
tgccatgykc	ctctggctca	agcccaggct	ttggtcacca	gtgagctgga	gaagttccag	300
gaccgcctgg	cccgtgacac	catgcattgc	aacgacaaag	ccaaagattc	aatagatgct	360
gggcgtaagg	agcttcagg	gaagcagcag	ctggacagtt	gtgtgaccaa	gtgtgtggat	420
gaccacatgc	acctcatccc	aactatgacc	aagaagatga	aggaggctct	cttatcaatt	480
ggaaaataaa	agtatcttcc	agtggcc				507

<210> 5249
 <211> 1718
 <212> DNA
 <213> Homo sapiens

<400> 5249						
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tgcctccacc	tccaccacag	cctgcccagc	tttcagtcca	gcaacaggca	gctcagccaa	180
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ataatatatt	gtgcagcaca	gagcatggta	acaagagact	ggatgctgct	tatcgttcca	480
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acaaatggaa	gggtcggttt	gatgtcaggt	ggatttttgt	gaaggacgtt	cccaatagcc	660
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ctcaggaagt	gcctctggaa	aaggctaagc	aggtgttgaa	aattatagcc	agctacaagc	780
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aacggttgca	tctgcataat	ctaagaggaa	aaaatgacct	tcaagagaat	taggactttt	960
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acaaaaaatc	cctctaggta	gttttaggtga	aaaatgtccc	ttttattttg	gctttgggtg	1140
tgatttcaga	gcataatgct	atgttttttt	gtcttttttac	tatgtttttc	ggatttttta	1200
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ttcagccaat	gaggaaaggg	cattgccttt	ctttttacca	ttaatcactt	ctcaataaac	1680
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<210> 5250

<211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (426)
 <223> n = A,T,C or G

<400> 5250
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 acgggctgac ctccccgctg acagagccgg tgggtggtact ggaggggcac accaagcgag 180
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 acgtggtact catctggaat gtgggcacag cggaggagct gtaccgcctg gacagcctgc 300
 accctgacct catctacaat gtcagctgga accacaatgg cagcctgttt tgctcagcat 360
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 agaagg 426

<210> 5251
 <211> 538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (538)
 <223> n = A,T,C or G

<400> 5251
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 gttgaggaca cctaggttca cggctctgagt aacacctcat tacaccgaag cctgggcctg 120
 tattcccaga gctttgggag gctgaggcga gaggatcact tgagcacagg agttcgagac 180
 cagcctggac aacatagtga gacccccatc tctaaataaa aatagaccaa cgctaaagcc 240
 tgtgtccag agcctccagg mawttggatc agaagtcgca gctctggtgg gaggaaggcg 300
 agtctcatg tgtgtccctg tgccactttg ccttgnccct ttgctgtcca tcctttttca 360
 gggcgtggac tccttgggtg tagaaagcgt gatgttcgcc atacttgagg acgggtccgc 420
 tggggcccca gcttgtacgg agtctttccc agaaggcccg gcttgggaaca gtacatccca 480
 agtcnggcca tttgaaaact tcaaagaagc ttcgagaagc cagtgttgtc agcagcca 538

<210> 5252
 <211> 1603
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (1603)
 <223> n = A,T,C or G

<400> 5252
 gctcttctct gtgcccttta tccgcacttc ccagctcaca gcactgacaa ccggtatcat 60
 ctccaggctc tccggcacct ctatgtgctg gcccgaggag ccaggcttct agtgmyskg 120
 saygayggac acaaacacgc cctgctatgc cctcttagaa gttacctaca agggcactca 180
 tgtgtatgaa caaaccawag aagaattgat ggctcctacc cttcttccag aactccatct 240
 tttaaagcac gattaaagta aaaggcccaa gatactggga actgctcata gatttaagca 300

aaggaacaca	acacttgaag	tccatccttt	ccaaggatgg	ggttttatat	gttaaactcc	360
gggcgggtca	gctctcctac	aaagaagatc	caatgggatg	gcaaagtttg	ttggctcaga	420
ctgttgctaa	caggaactct	gaagcccggg	ctttcaagca	gaaacaatct	cagcattcac	480
ttctgatcca	gcacttctgt	catttgctga	atatttctgc	aagccaactg	tgaacatggg	540
tcagaaacag	gaaattctgg	atctcttttc	ttcagtactc	tatgaatgtg	ttaccagga	600
gacccagag	atgttgctg	catacatagc	aatggatcag	gctataagaa	gacttgggag	660
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aacgtgacca	aacatcaaag	ctaaagcaat	gtttataaag	ttttatggta	taactagggg	1200
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